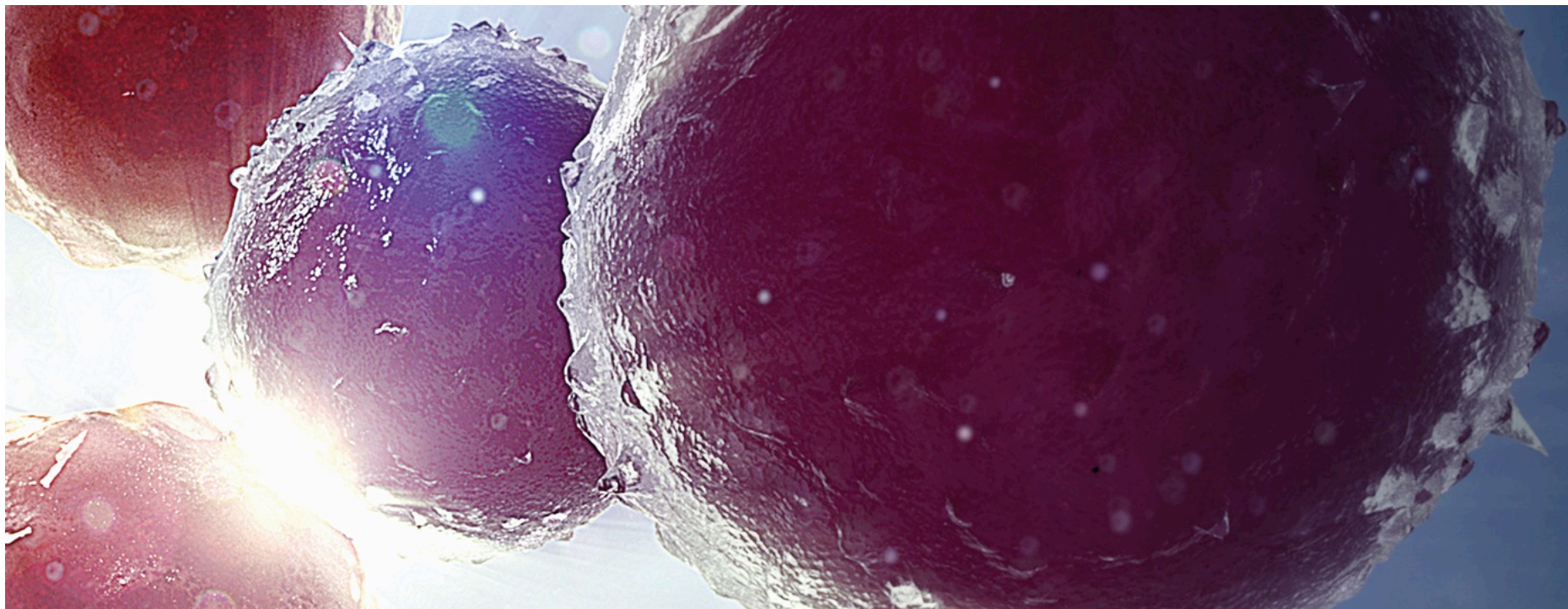


Clinical trials appendix

Year-to-date and Q3 2017 Results update



The following information about AstraZeneca clinical trials in Phases I-IV has been created with selected information from <https://clinicaltrials.gov> to facilitate understanding of key aspects of ongoing clinical programmes and is correct to the best of the Company's knowledge as of 30 September 2017, unless otherwise specified.

It includes estimated timelines with regards to trial completion and first external presentations of primary data. These estimates are subject to change as programmes recruit faster or slower than anticipated and many times are event driven.

Project postings on clinicaltrials.gov are updated on a continuous basis as projects progress. For the most up to date information on our clinical programmes please visit clinicaltrials.gov (<https://clinicaltrials.gov>)



List of abbreviations

| | | | | | |
|------------------------|-----------------------------------|--------------|--|------------|--------------------------------|
| AE | Adverse Event | LCM | Lifecycle Management | PD | Pharmacodynamics |
| AUC | Area Under Curve | LPCD | Last Patient Commenced Dosing | Q2W | Quaque (every) Two Weeks |
| BID | Bis In Die (two times a day) | MAD | Multiple Ascending Dose | Q3W | Quaque (every) Three Weeks |
| CE | Clinically Evaluable | MDI | Metered-Dose Inhaler | Q4W | Quaque (every) Four Weeks |
| C_{MAX} | Maximum Concentration Absorbed | MITT | Modified Intent To Treat | Q8W | Quaque (every) Eight Weeks |
| cMITT | Clinical-Modified Intent To Treat | mMITT | Microbiological-Modified Intent To Treat | QD | Quaque Die (one time a day) |
| CNS | Central Nervous System | MTD | Maximum Tolerated Dose | SAD | Single Ascending Dose |
| DLT | Dose-Limiting Toxicity | NME | New Molecular Entity | SC | Subcutaneous |
| FDC | Fixed-Dose Combination | OLE | Open Long-term Extension | TID | Ter In Die (three times a day) |
| FEV | Forced-Expiratory Volume | ORR | Objective Response Rate | TOC | Test Of Cure |
| FPCD | First Patient Commenced Dosing | OS | Overall Survival | XR | Extended Release |
| IM | Intra Muscular | PFS | Progression-Free Survival | | |
| IR | Immediate Release | PK | Pharmacokinetics | | |
| IV | Intravenous | | | | |



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Movement since Q2 2017 update

| New to Phase I | New to Phase II | New to Pivotal Study | New to Registration |
|---|---|---|---|
| <p>Additional indications <i>Imfinzi</i>[#] + <i>azacitidine</i> PD-L1 mAb + azacytidine myelodysplastic syndrome</p> <p><i>Imfinzi</i>[#] + MEDI0457[#] PD-L1 mAb + DNA HPV vaccine head and neck squamous cell carcinoma</p> | <p>Additional indications <i>Lynparza</i> + <i>Imfinzi</i> MEDIOLA PARP inhibitor + PD-L1 mAb solid tumours</p> | <p>NME <i>savolitinib</i>[#] SAVOIR MET inhibitor papillary renal cell carcinoma</p> | <p>NME <i>Calquence</i>[#] (<i>acalabrutinib</i>[#]) [US]¹ BTK inhibitor B-cell malignancy</p> <p>roxadustat OLYMPUS, ROCKIES [CN]¹ hypoxia-inducible factor prolyl hydroxylase inhibitor anaemia in chronic kidney disease/end stage renal disease</p> <p>Additional indications <i>Imfinzi</i>[#] PACIFIC [US, JP]¹ PD-L1 mAb stage III non-small cell lung cancer</p> <p>Lifecycle Management <i>Lynparza</i>[#] OlympiAD [US, JP]¹ PARP inhibitor gBRCA metastatic breast cancer</p> |
| Removed from Phase I | Removed from Phase II | Removed from Phase III | Removed from Registration |
| <p>NME AZD9150 STAT3 inhibitor haematological malignancies⁴</p> <p>MEDI8111 Rh-factor II trauma / bleeding</p> | | | <p>NMEs <i>Calquence</i>[#] (<i>acalabrutinib</i>[#]) [US]² BTK inhibitor B-cell malignancy</p> <p>Lifecycle Management <i>Bydureon Bcise</i> (<i>weekly autoinjector</i>) [US]² GLP-1 receptor agonist type-2 diabetes</p> <p><i>Lynparza</i>[#] SOLO2 [US]² PARP inhibitor 2nd-line or greater BRCAm PSR ovarian cancer, maintenance monotherapy</p> |

† Registrational Phase II/III study

Partnered and/or in collaboration

¹ Submission Accepted ² Submission Approved ⁴ Completed



Q3 2017 New Molecular Entity (NME)¹ Pipeline

| Phase I 34 New Molecular Entities | | | | Phase II 21 New Molecular Entities | | | | Phase III 8 New Molecular Entities | |
|---|--|--|--|--|--|--|---|---------------------------------------|----------------|
| Small molecule | | Large molecule | | Small molecule | | Large molecule | | Small molecule | Large molecule |
| AZD0156 ATM solid tumours | AZD5634 inhaled ENaC cystic fibrosis | MEDI0562# hOx40 solid tumours | MEDI3506 IL-33 COPD | AZD1775# Wee1 solid tumours | MEDI-573# IGF metastatic breast cancer | savolitinib# SAVOIR MET pRCC | Imfinzi#+tremelimumab MYSTIC PD-L1+CTLA-4 1L NSCLC | | |
| AZD2811# Aurora solid tumours | AZD7584+xabeditero# Inhaled SGRM+LABA asthma/COPD | MEDI0680 PD-1 solid tumours | MEDI1614# amyloid β alzheimer's disease | AZD4547 FGFR solid tumours | MEDI0382 GLP-1/glucagon type-2 diabetes | selumetinib ASTRA MEK differentiated thyroid cancer | moxetumomab pasudotox# PLAIT CD22 HCL | | |
| AZD4635 A2aR inhibitor solid tumours | AZD7986# DPP1 COPD | MEDI1873 G1TR solid tumours | MEDI7352 NGF/TNF osteoarthritis pain | AZD5363# AKT breast cancer | MEDI6012 LCAT cardiovascular | PTD10 LABA/LAMA/ICS COPD | tralokinumab IL-13 severe asthma | | |
| AZD4785 KRAS solid tumours | AZD9567 SGRM RA/respiratory | MEDI3726# PSMA prostate | MEDI0700# BAFF/B7RP1 SLE | Lynparzi#+cediranib CONCERTO PARP+VEGF recurrent Pt-R ovarian | tezepelumab# TSLP asthma/atopic dermatitis | lanabecestat# BACE early alzheimer's disease | anifrolumab# TULIP IFN α R SLE | | |
| AZD6738 ATR solid tumours | AZD9898# LTC4S asthma | MEDI4276 HER2 solid tumours | MEDI4920 CD40L-Tn3 pSS | vistusertib mTOR 1/2 solid tumours | inebilizumab# CD19 neuromyelitis optica | | | | |
| AZD8186 PI3K β solid tumours | | MEDI5083 immune activator solid tumours | MEDI7734 ILT7 myositis | verinurad URAT-1 chronic kidney disease | mavrilimumab# GM-CSFR rheumatoid arthritis | | | | |
| AZD9496 SERD ER+ breast | | MEDI-565# CEA BITE GI tumours | MEDI9314 IL4R atopic dermatitis | abeditero# LABA asthma/COPD | MEDI5872# primary Sjögren's syndrome | | | | |
| AZD4831 MPO HFpEF | | MEDI7247 antibody drug conjugate haems | | AZD1419# inhaled TLR9 asthma | MEDI3902 Pal/Pcr/ Pseudomonas pneumonia | roxadustat# HIFPH anaemia CKD/ESRD | benralizumab# IL-5R severe asthma | | |
| AZD5718 FLAP coronary artery disease | | MEDI9197# TLR 7/8 solid tumours | | AZD7594 Inhaled SGRM asthma/COPD | MEDI4893 α -Toxin Staphylococcus pneumonia | ZS-9 potassium binder hyperkalaemia | | | |
| AZD8601# VEGF-A cardiovascular | | MEDI9447 CD73 solid tumours | | AZD8871# MABA COPD | MEDI8652 influenza A treatment | | | | |
| AZD0284 ROrg psoriasis/respiratory | | MEDI5884# cholesterol modulation cardiovascular | | | MEDI8897# RSV passive RSV prophylaxis | | | | |

Applications Under Review

3 New Molecular Entities

Small molecule Large molecule

| | |
|--|--------------------------------------|
| roxadustat# HIFPH anaemia CKD/ESRD | benralizumab# IL-5R severe asthma |
| ZS-9 potassium binder hyperkalaemia | |

¹ Includes significant fixed-dose combination projects and parallel indications that are in a separate therapy area

(See LCM chart for other parallel indications and oncology combination projects)

Partnered and/or in collaboration; † Registrational P2/3 study



Q3 2017 Lifecycle Management (LCM)¹ Pipeline

| Phase I 0 Projects | | Phase II 6 Projects | | Phase III 21 Projects | | | Applications Under Review 4 Projects | |
|-----------------------|----------------|---|--|--|---|--|--|---|
| Small molecule | Large molecule | Small molecule | Large molecule | Small molecule | Small molecule | Large molecule | Small molecule | Large molecule |
| | | <i>Tagrisso</i> BLOOM EGFR NSCLC CNS mets | <i>Imfinzi</i> # PD-L1 solid tumours | <i>Calquence</i> # (acalabrutinib) BTK inhibitor 1st line MCL | <i>Brinta/Brique</i> THEMIS diabetes & CAD outcomes | <i>Imfinzi</i> # PEARL (China) PD-L1 1L NSCLC | <i>Lynparza</i> OlympiAD PARP gBRCA metastatic breast | <i>Imfinzi</i> # PACIFIC PD-L1 stage 3 NSCLC |
| | | <i>Brinta/Brique</i> HESTIA paeds w/ sickle cell | <i>anifrolumab</i> # IFN α R SLE SC | <i>Calquence</i> # (scalabrutinib) BTK inhibitor 1st line CLL | <i>Bydureon</i> EXSCEL outcomes | <i>benralizumab</i> # IL-5R COPD | <i>Linacotide</i> # (CN only) IBS-c | |
| | | PT010 LABA/LAMA/ICS asthma | <i>anifrolumab</i> # IFN α R lupus nephritis | <i>Calquence</i> # (acalabrutinib) BTK inhibitor r/r CLL, high risk | <i>Epanova</i> STRENGTH outcomes | | <i>Nexium</i> (CN only) stress ulcer prophylaxis | |
| | | | | <i>Lynparza</i> OlympiA PARP gBRCA adjuvant breast | <i>Faniga/Foxiga</i> type-1 diabetes | | | |
| | | | | <i>Lynparza</i> POLO PARP pancreatic cancer | <i>Faniga/Foxiga</i> SGLT2 heart failure | | | |
| | | | | <i>Lynparza</i> PROfound PARP prostate cancer | <i>Faniga/Foxiga</i> SGLT2 CKD | | | |
| | | | | <i>Lynparza</i> SOLO-1 PARP 1L BRCAm ovarian | <i>Faniga/Foxiga</i> DECLARE outcomes | | | |
| | | | | <i>Lynparza</i> SOLO-3 PARP BRCAm PSR ovarian | saxagliptin/dapagliflozin metformin DPP4 type-2 diabetes | | | |
| | | | | <i>Tagrisso</i> ADAURA EGFR adj. EGFRm NSCLC | <i>Symbicort</i> SYGMA as needed in mild asthma | | | |
| | | | | <i>Tagrisso</i> FLAURA EGFR 1L adv. EGFRm NSCLC | | | | |

¹ Includes significant LCM projects and parallel indications for assets in P3 or beyond. Excludes LCM projects already launched in a major market

Partnered and/or in collaboration; ¹ Registrational P2/3 study



Q3 2017 Lifecycle Management (LCM)¹ Pipeline

Oncology Combinations

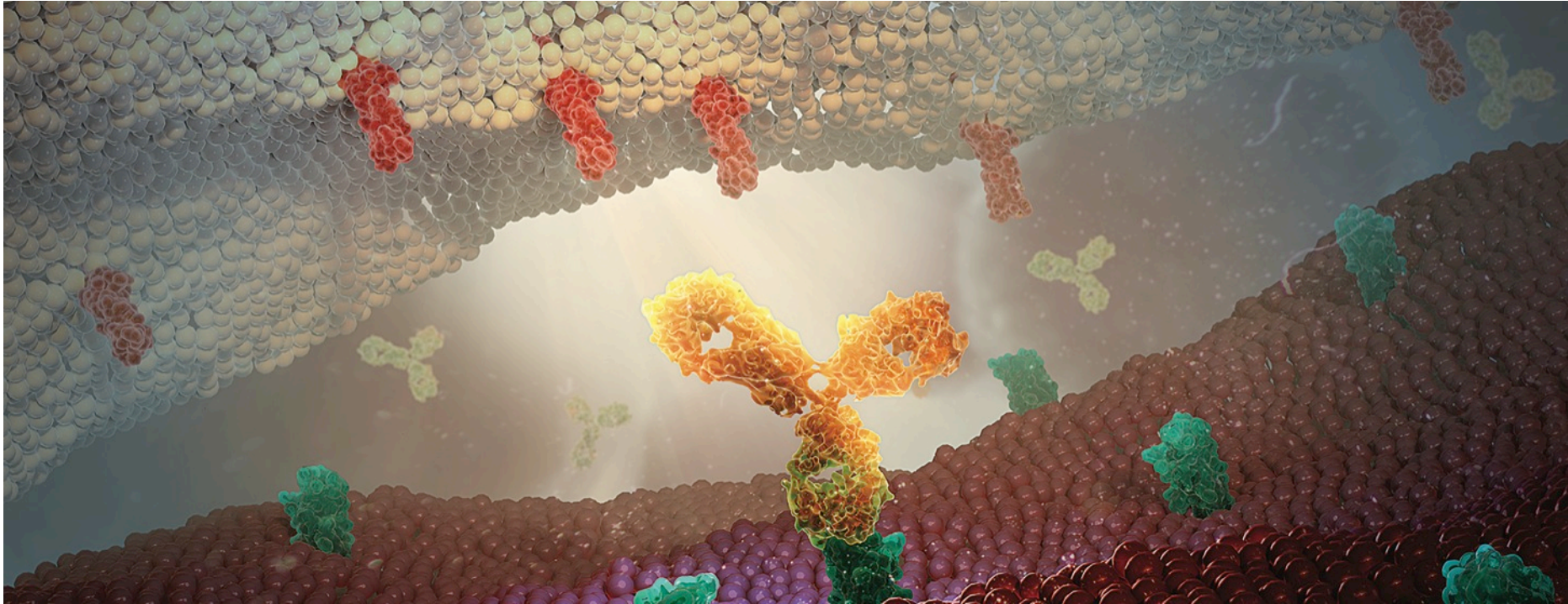
| Phase I 14 Projects | Phase II 9 Projects | Phase III 7 Projects | Applications Under Review 0 Project |
|--|---|---|--|
| <i>Imfinzi</i> # or <i>Imfinzi</i> #+(treme or AZD9150#) PD-L1 or PD-L1+(CTLA-4 or STAT3) DLBCL | AZD1775#+chemotherapy Wee1+chemo ovarian cancer | <i>Imfinzi</i> #+tremelimumab ARCTIC PD-L1+CTLA-4 3L NSCLC | |
| <i>Imfinzi</i> #+AZD1775# PD-L1+Wee1 solid tumours | <i>Imfinzi</i> #+AZD5068 PD-L1+CXCR2 PDAC | <i>Imfinzi</i> #+tremelimumab DANUBE PD-L1+CTLA-4 1L bladder | |
| <i>Imfinzi</i> #+dabrafenib+trametinib PD-L1+BRAF+MEK melanoma | <i>Imfinzi</i> #+AZD5068 or <i>Imfinzi</i> +AZD9150 PD-L1+(CXCR2 or STAT3) HNSCC | <i>Imfinzi</i> #+tremelimumab EAGLE PD-L1+CTLA-4 2L HNSCC | |
| <i>Imfinzi</i> #+tressa PD-L1+EGFR NSCLC | <i>Imfinzi</i> #+MED10680 PD-L1+PD-1 solid tumours | <i>Imfinzi</i> #+tremelimumab KESTREL PD-L1+CTLA-4 1L HNSCC | |
| <i>Imfinzi</i> #+MED10457# PD-L1+DNA HPV vaccine HNSCC | <i>Imfinzi</i> #+tremelimumab PD-L1+CTLA-4 HCC | <i>Imfinzi</i> #+tremelimumab NEPTUNE PD-L1+CTLA-4 1L NSCLC | |
| <i>Imfinzi</i> #+MED10562# PD-L1+hOX40 solid tumours | <i>Imfinzi</i> #+tremelimumab PD-L1+CTLA-4 gastric cancer | <i>Imfinzi</i> #+tremelimumab+SoC CASPIAN PD-L1+CTLA-4+SoC 1L SCLC | |
| <i>Imfinzi</i> #+MED10197# PD-L1+TLR 7/8 agonist | <i>Lynparza</i> +AZD8738 PARP+ATR gastric | <i>Imfinzi</i> #+tremelimumab+SoC POSEIDON PD-L1+CTLA-4+SoC 1L NSCLC | |
| <i>Imfinzi</i> #+MED10447 PD-L1+CD73 solid tumours | <i>Lynparza</i> + <i>Imfinzi</i> MEDIOLA PARP+PD-L1 solid tumours | | |
| <i>Imfinzi</i> #+monalizumab PD-L1+NKG2a solid tumours | <i>Tagrisso</i> combo# TATTON EGFR+PD-L1/MEK/MET NSCLC | | |
| <i>Imfinzi</i> #+tremelimumab PD-L1+CTLA-4 solid tumours | | | |
| <i>Imfinzi</i> #+Vidaza# PD-L1+azacitidine MDS | | | |
| <i>Lynparza</i> +AZD1775# PARP+Wee1 solid tumours | | | |
| selumetinib#+ <i>Imfinzi</i> # MEK inhibitor+PL-L1 solid tumours | | | |
| tremelimumab+MED10562# CTLA-4+hOX40 solid tumours | | | |

¹ Includes significant LCM projects and parallel indications for assets in P3 or beyond. Excludes LCM projects already launched in a major market

Partnered and/or in collaboration; † Registrational P2/3 study



Approved medicines



Lynparza (PARP inhibitor)

Ovarian cancer and other cancers

| Trial | Population | Patients | Design | Endpoints | Status |
|--|---|----------|--|--|---|
| Phase III SOLO-2 NCT01874353 | Platinum-sensitive recurrent (PSR) BRCAm ovarian cancer | 295 | <ul style="list-style-type: none"> Arm 1: <i>Lynparza</i> tablets 300mg BiD as maintenance therapy until progression Arm 2: placebo tablets BiD Global trial | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoint: OS | <ul style="list-style-type: none"> FPCD: Q3 2013 LPCD: Q4 2014 Data readout: Q4 2016 Primary endpoint met |
| Phase III SOLO-1 NCT01844986 | 1L maintenance BRCAm ovarian cancer | 391 | <ul style="list-style-type: none"> Arm 1: <i>Lynparza</i> tablets 300mg BiD maintenance therapy for 2 years or until disease progression Arm 2: placebo Global trial | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoint: OS | <ul style="list-style-type: none"> FPCD: Q3 2013 LPCD: Q1 2015 Data anticipated: H1 2018 |
| Phase III SOLO-3 NCT02282020 | PSR gBRCAm ovarian cancer 3L+ Line | 411 | <ul style="list-style-type: none"> Arm 1: <i>Lynparza</i> 300mg BiD to progression Arm 2: Physician's choice (single agent chemotherapy) Global trial | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoint: OS | <ul style="list-style-type: none"> FPCD: Q1 2015 |
| Phase I / II MEDIOLA NCT02734004 | gBRCAm ovarian cancer 2L+ gBRCAm HER2-negative breast cancer 1-3L Small cell lung cancer (SCLC) 2L+ Gastric cancer 2L+ | 133 | <ul style="list-style-type: none"> Arm 1: <i>Lynparza</i> tablets 300mg BID starting on week 1 day 1 / <i>Imfinzi</i> IV 1.5g every 4 weeks starting on week 5 day 1 Dose until progression Global trial | Primary endpoints <ul style="list-style-type: none"> Disease control rate (DCR) at 12 weeks Safety and tolerability Secondary endpoints <ul style="list-style-type: none"> DCR at 28 weeks ORR, duration of response (DoR), PFS, TDT, OS PK | <ul style="list-style-type: none"> FPCD: Q2 2016 LPCD: Q2 2017 |

PARP = Poly ADP Ribose Polymerase



Lynparza (PARP inhibitor)

Breast cancer and other cancers

| Trial | Population | Patients | Design | Endpoints | Status |
|--|--|----------|--|---|---|
| Phase III OlympiAD NCT02000622 | BRCAm metastatic breast cancer | 302 | <ul style="list-style-type: none"> Arm 1: <i>Lynparza</i> 300mg BiD, continuous to progression Arm 2: Physician's choice: capecitabine 2500mg/m² x 14 q 21 vinorelbine 30mg/m² d 1, 8 q 21 eribulin 1.4mg/m² d 1, 8 q 21 to progression <p>Global trial</p> | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoint: OS | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q4 2015 Data readout: Q1 2017 Primary endpoint met |
| Phase III OlympiA NCT02032823 Partnered | BRCAm adjuvant breast cancer | 1,500 | <ul style="list-style-type: none"> Arm 1: <i>Lynparza</i> 300mg BiD 12 month duration Arm 2: Placebo 12 month duration <p>Global trial partnership with BIG and NCI/NRG</p> | <ul style="list-style-type: none"> Primary endpoint: invasive disease-free survival (IDFS) Secondary endpoint: distant disease-free survival and OS | <ul style="list-style-type: none"> FPCD: Q2 2014 |
| Phase III POLO NCT02184195 | gBRCA metastatic pancreatic cancer | 145 | <ul style="list-style-type: none"> Arm 1: <i>Lynparza</i> tablets 300mg twice daily as maintenance therapy until progression Arm 2: Placebo tablets BiD <p>Global trial</p> | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoint: OS | <ul style="list-style-type: none"> FPCD: Q1 2015 |
| Phase II NCT01972217 | Metastatic castration resistant prostate cancer | 142 | <ul style="list-style-type: none"> Arm 1: <i>Lynparza</i> 300mg BiD + abiraterone Arm 2: Placebo + abiraterone <p>Global trial</p> | <ul style="list-style-type: none"> Primary endpoint: Radiologic PFS | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: Q3 2015 |
| Phase III PROfound NCT02987543 | Metastatic castration resistant prostate cancer HRRm, 2L+ | 340 | <ul style="list-style-type: none"> Arm 1: <i>Lynparza</i> 300mg BID Arm 2: Physician's choice: enzalutamide 160mg once daily abiraterone acetate 1000mg once daily <p>Global trial</p> | <ul style="list-style-type: none"> Primary endpoint: Radiologic PFS Secondary endpoints: ORR, Time to Pain Progression, OS | <ul style="list-style-type: none"> FPCD: Q2 2017 |

PARP = Poly ADP Ribose Polymerase

HRRm – Homologous recombination repair mutation



Tagrisso (Highly-selective, irreversible EGFRi)

Non-small cell lung cancer (NSCLC)

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------------------|--|----------|--|--|---|
| Phase III AURA3 NCT02151981 | Advanced EGFRm NSCLC tyrosine kinase inhibitor (TKI) failure and primary resistance mutation T790M | 410 | <ul style="list-style-type: none"> Arm 1: <i>Tagrisso</i> 80mg QD Arm 2: pemetrexed 500mg/m² + carboplatin AUC5 or pemetrexed 500mg/m² + cisplatin 75mg/m² (2:1 randomisation) Global trial | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoints: OS and quality of life (QoL) | <ul style="list-style-type: none"> FPCD: Q3 2014 Data readout: Q3 2016 Primary endpoint met |
| Phase III FLAURA NCT02296125 | Advanced EGFRm NSCLC 1L | 530 | <ul style="list-style-type: none"> Arm 1: <i>Tagrisso</i> 80mg Arm 2: erlotinib 150mg or <i>Iressa</i> 250mg (physicians choice); 1:1 randomisation Global trial | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoints: OS and QoL | <ul style="list-style-type: none"> FPCD: Q1 2015 LPCD: Q4 2016 Data anticipated: H2 2017 Primary endpoint met |
| Phase III ADAURA NCT02511106 | Adjuvant EGFRm NSCLC | 700 | <ul style="list-style-type: none"> Arm 1: <i>Tagrisso</i> 80mg QD following complete tumour resection, with or without chemotherapy Arm 2: Placebo Global trial | <ul style="list-style-type: none"> Primary endpoint: Disease Free Survival (DFS) Secondary endpoints: DFS Rate, OS, OS Rate, QoL | <ul style="list-style-type: none"> FPCD: Q4 2015 Data anticipated: 2022 |
| Phase II AURA17 NCT02442349 | Advanced EGFRm NSCLC TKI failure and primary resistance mutation T790M | 171 | <ul style="list-style-type: none"> <i>Tagrisso</i> 80mg QD Asia-Pacific regional trial | <ul style="list-style-type: none"> Primary endpoint: ORR Secondary endpoints: PFS and OS | <ul style="list-style-type: none"> FPCD: Q3 2015 Data readout: Q2 2016 |
| Phase II AURA2 NCT02094261 | Advanced EGFRm NSCLC TKI failure and primary resistance mutation T790M | 210 | <ul style="list-style-type: none"> <i>Tagrisso</i> 80mg QD Global trial | <ul style="list-style-type: none"> Primary endpoint: ORR Secondary endpoints: PFS and DoR | <ul style="list-style-type: none"> FPCD: Q2 2014 |
| Phase I/II AURA NCT01802632 | Advanced EGFRm NSCLC TKI failure +/- primary resistance mutation T790M | 605 | <ul style="list-style-type: none"> Dose escalation trial Ph II Extension cohort (T790M only) <i>Tagrisso</i> 80mg QD Global trial | <ul style="list-style-type: none"> Primary endpoint: ORR Secondary endpoints: PFS and OS | <ul style="list-style-type: none"> FPCD: Q1 2013 |



Tagrisso (Highly-selective, irreversible EGFRi)

Non-small cell lung cancer (NSCLC)

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|---|---|----------|--|---|--|
| Phase Ib TATTON NCT02143466 | Advanced EGFRm NSCLC TKI failure | ~90 | <ul style="list-style-type: none"> Arm 1: <i>Tagrisso</i> + <i>Imfinzi</i> Arm 2: <i>Tagrisso</i> + savolitinib Arm 3: <i>Tagrisso</i> + selumetinib Global trial | <ul style="list-style-type: none"> Safety, Tolerability, Pharmacokinetics and Preliminary anti-tumour Activity | <ul style="list-style-type: none"> FPCD: Q3 2014 Enrolment to <i>Imfinzi</i> combination arms will not restart |
| Phase I BLOOM NCT02228369 | EGFRm NSCLC, central nervous system (CNS) disease | 41 | <ul style="list-style-type: none"> Maximal administered dose (MAD) Expansion in leptomeningeal metastasis (LM) and brain metastasis (BM) patients at RP2D with AZD3759 Expansion in LM patients at 160mg with <i>Tagrisso</i> including cohort with T790M NSCLC Global trial – four countries | <ul style="list-style-type: none"> Safety and tolerability Preliminary anti-tumour activity | <ul style="list-style-type: none"> FPCD: Q4 2014 Data readout: Q2 2017 |



Imfinzi (PD-L1 mAb)

Non-small cell lung cancer (NSCLC)

| Trial | Population | Patients | Design | Endpoints | Status |
|--|---|----------------------------------|---|--|---|
| Phase III ADJUVANT NCT02273375 Partnered | Adjuvant NSCLC patients IB (≥4cm) – IIIA resected NSCLC (incl. EGFR/ALK positive) | 1,100 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> mg/kg IV Q4W x 12m Arm 2: Placebo Global trial | <ul style="list-style-type: none"> Primary endpoint: DFS Secondary endpoint: OS | <ul style="list-style-type: none"> FPCD: Q1 2015 Data anticipated: 2020 |
| Phase III PACIFIC NCT02125461 | Unresectable NSCLC patients following platinum-based concurrent chemo-radiation therapy | 702 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> IV Q2W Arm 2: Placebo Global trial | Primary endpoints: <ul style="list-style-type: none"> PFS OS | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q2 2016 Data readout: Q2 2017 Primary endpoint met |
| Phase II/III Lung Master Protocol NCT02154490 Partnered | Stage IV squamous NSCLC patients Biomarker-targeted 2L therapy | 140 ; 100 <i>Imfinzi</i> treated | Umbrella trial with five arms based on biomarker expression <ul style="list-style-type: none"> Substudy A: <i>Imfinzi</i> (non-match for other biomarker driven substudies) IVQ2W single arm <i>Imfinzi</i> PhII only Substudy B: PI3K inhibitor vs docetaxel Substudy C: CDK4/6 inhibitor vs docetaxel Substudy D: AZD4547 (FGFR inhibitor) vs docetaxel Substudy E: C-MET/HGFR Inhibitor + erlotinib vs erlotinib (Substudy is closed) | Primary endpoints: <ul style="list-style-type: none"> ORR PFS OS | <ul style="list-style-type: none"> FPCD: Q2 2014 Data anticipated: 2022 |
| Phase II ATLANTIC NCT02087423 | Stage IIIB-IV NSCLC patients PD-L1+ve patients 3L | 293 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> IV Q2W (EGFR/ALK WT) Arm 2: <i>Imfinzi</i> IV Q2W (EGFR/ALK M+) Arm 3: <i>Imfinzi</i> IV Q2W (EGFR/ALK WT) (90% PD-L1 - expression) Global trial – 18 countries | <ul style="list-style-type: none"> Primary endpoint: ORR Secondary endpoints: DoR, PFS and OS | <ul style="list-style-type: none"> FPCD: Q1 2014 LPCD: Q2 2015 Data readout: Q4 2015 |
| Phase I/II Sequencing Study NCT02179671 | Stage IIIB-IV NSCLC patients | 72 | <ul style="list-style-type: none"> Arm 1: <i>Iressa</i> initially then switch to <i>Imfinzi</i> IVQ2W Arm 2: AZD9291 then switch to <i>Imfinzi</i> Arm 3: selumetinib + docetaxel then switch to <i>Imfinzi</i> Arm 4: tremelimumab then switch to <i>Imfinzi</i> | <ul style="list-style-type: none"> Primary endpoint: Complete Response Rate Secondary endpoints: ORR, Disease Control Rate | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: Q2 2016 Data readout: Q3 2016 |
| Phase III PEARL NCT03003962 | NSCLC 1L | 440 | <ul style="list-style-type: none"> Arm 1 <i>Imfinzi</i> Q4W Arm 2 Chemotherapy (SoC) Asia trial | Primary endpoints: <ul style="list-style-type: none"> PFS OS | <ul style="list-style-type: none"> FPCD: Q1 2017 Data anticipated: 2020 |



Imfinzi (PD-L1 mAb)

Other cancers

| Trial | Population | Patients | Design | Endpoints | Status |
|-------------------------------------|----------------------------|----------|---|--|--|
| Phase I NCT02301130 Partnered | Solid tumours | 108 | <ul style="list-style-type: none"> Dose Escalation: N=36, three cohorts receiving Treatment A (mogamulizumab + <i>Imfinzi</i>) and three cohorts receiving Treatment B (mogamulizumab + tremelimumab), in parallel Dose Expansion: N=72, Multiple solid tumour types (NSCLC, HNSCC, Pancreatic), Treatment A or B (12 subjects per treatment per disease type, in parallel) | <ul style="list-style-type: none"> Safety and Tolerability MTD ORR, DoR, DCR, PFS, OS | <ul style="list-style-type: none"> FPCD: Q4 2014 LPCD: Q3 2017 Data anticipated: 2018 |
| Phase I NCT01938612 | Solid tumours (all-comers) | 176 | <ul style="list-style-type: none"> Dose Escalation: 3 cohorts at Q2W and 1 cohort at Q3W Dose Expansion: Biliary Tract Cancer, Oesophageal Cancer and SCCNH, Q2, and Q4 schedule Dose Expansion of combination: Biliary Tract Cancer and Oesophageal Cancer, <i>Imfinzi</i> Q4W 20mg/kg + tremelimumab Q4W 1mg/kg <p>Trial conducted in Japan</p> | <ul style="list-style-type: none"> Safety Optimal biologic dose | <ul style="list-style-type: none"> FPCD: Q3 2013 LPCD: Q1 2017 Data anticipated: 2018 |



Imfinzi (PD-L1 mAb) + tremelimumab (CTLA-4 mAb)

Non-small cell lung cancer (NSCLC) and other cancers

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------------------|---|----------|--|---|--|
| Phase III ARCTIC NCT02352948 | Stage IIIB-IV 3L NSCLC patients who have not been tested positive for EGFR/ALK mutation | 480 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> + tremelimumab (PD-L1 –ve patients) Arm 2: Standard of care Arm 3: tremelimumab (PD-L1 –ve patients) Arm 4: <i>Imfinzi</i> (PD-L1 –ve patients) | Primary endpoints: <ul style="list-style-type: none"> PFS OS | <ul style="list-style-type: none"> FPCD: Q2 2015 LPCD: Q3 2016 Data anticipated: H1 2018 |
| Phase III MYSTIC NCT02453282 | NSCLC 1L | 1,118 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> Arm 2: <i>Imfinzi</i> + tremelimumab Arm 3: Standard of care | Primary endpoints: <ul style="list-style-type: none"> PFS OS | <ul style="list-style-type: none"> FPCD: Q3 2015 LPCD: Q3 2016 Data anticipated: H1 2018 (OS) PFS Primary endpoint not met |
| Phase III NEPTUNE NCT02542293 | NSCLC 1L | 960 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> + tremelimumab Arm 2: Standard of care | <ul style="list-style-type: none"> Primary endpoint: OS Secondary endpoint: PFS | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD: Q2 2017 Data anticipated: H2 2018 |
| Phase III POSEIDON NCT03164616 | NSCLC 1L | 801 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> + CTx Arm 2: <i>Imfinzi</i> + tremelimumab + chemotherapy Arm 3: chemotherapy | Primary endpoints: <ul style="list-style-type: none"> PFS | <ul style="list-style-type: none"> FPCD: Q2 2017 Data anticipated: 2019 |
| Phase III EAGLE NCT02369874 | HNSCC 2L | 736 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> + tremelimumab Arm 2: <i>Imfinzi</i> Arm 3: Standard of care | <ul style="list-style-type: none"> Primary endpoint: OS Secondary endpoint: PFS | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD: Q3 2017 Data anticipated: H1 2018 |
| Phase III KESTREL NCT02551159 | HNSCC 1L | 823 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> Arm 2: <i>Imfinzi</i> + tremelimumab Arm 3: Standard of care | Primary endpoints: <ul style="list-style-type: none"> PFS OS | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD Q1 2017 Data anticipated: H1 2018 |
| Phase III DANUBE NCT02516241 | Bladder 1L cis eligible and ineligible | 1,005 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> + tremelimumab Arm 2: <i>Imfinzi</i> Arm 3: Standard of care | Primary endpoints: <ul style="list-style-type: none"> PFS OS | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD: Q1 2017 Data anticipated: 2019 |
| Phase III CASPIAN NCT03043872 | SCLC 1L | 795 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> + tremelimumab + EP (carboplatin or cisplatin + etoposide) Arm 2: <i>Imfinzi</i> + EP (carboplatin or cisplatin + etoposide) Arm 3: <i>Imfinzi</i> + EP (carboplatin or cisplatin + etoposide) | Primary endpoints: <ul style="list-style-type: none"> PFS OS | <ul style="list-style-type: none"> FPCD: Q1 2017 Data anticipated: 2020 |

Imfinzi (PD-L1 mAb) + tremelimumab (CTLA-4 mAb)

Other cancers

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|--|--|--|
| Phase III STRONG NCT03084471 | Advanced Solid Malignancies | 1,200 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> Arm 2: <i>Imfinzi</i> + tremelimumab | <ul style="list-style-type: none"> Primary endpoint: Safety | <ul style="list-style-type: none"> FPCD: Q2 2017 Data anticipated: 2022 |
| Phase II NCT02527434 | Urothelial Bladder Cancer Triple-negative Breast Cancer Pancreatic Ductal-Adenocarcinoma | 76 | <ul style="list-style-type: none"> Arm 1 tremelimumab in urothelial bladder cancer Arm 2 tremelimumab triple-negative breast cancer Arm 3 tremelimumab pancreatic ductal-adenocarcinoma | <ul style="list-style-type: none"> Primary endpoint: ORR Secondary endpoints: <ul style="list-style-type: none"> Safety DoR | <ul style="list-style-type: none"> FPCD: Q4 2015 Data anticipated: 2018 |
| Phase II BALTIC NCT02937818 | SCLC | 80 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> + tremelimumab Q4W Arm 2: AZD1775 and carboplatin BID | <ul style="list-style-type: none"> Primary endpoint: ORR | <ul style="list-style-type: none"> FPCD: Q4 2016 Data Anticipated: 2020 |
| Phase I Combination in advanced solid tumours in Japanese patients NCT02141347 | Solid tumours (treme Phase I) | 22 | <ul style="list-style-type: none"> tremelimumab + <i>Imfinzi</i> Dose Escalation trial tremelimumab Q4W/Q12W 3-10mg/kg tremelimumab + <i>Imfinzi</i>: 3 cohorts; tremelimumab Q4W 10 mg/kg + <i>Imfinzi</i> Q4W 15 mg/kg, tremelimumab Q4W 20 mg/kg + <i>Imfinzi</i> Q4W 1 mg/kg, tremelimumab Q4W 1500 mg + <i>Imfinzi</i> Q4W 75 mg | <ul style="list-style-type: none"> Safety Optimal biologic dose | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q2 2015 Data readout: Q2 2017 |
| Phase 1 Combination in Advanced Solid Tumours NCT02658214 | Solid tumours | 80 | <ul style="list-style-type: none"> Arm 2 SCLC: <i>Imfinzi</i> + tremelimumab + carboplatin + etoposide Arm 3 TNBC: <i>Imfinzi</i>+ tremelimumab + gemcitabine + carboplatin Arm 4 TNBC: <i>Imfinzi</i> + tremelimumab + nab-paclitaxel (paclitaxel-albumin) + carboplatin Arm 5 Gastric/gastro-Oesophageal junction (GEJ): <i>Imfinzi</i> + tremelimumab + oxaliplatin + 5-fluorouracil (5FU) + leucovorin (calcium folinate/folinic acid) | <ul style="list-style-type: none"> Safety | <ul style="list-style-type: none"> FPCD: Q1 2016 LPCD: Q4 2016 Data anticipated: 2019 |
| Phase 3 HIMALAYA NCT03298451 | Unresectable Hepatocellular Carcinoma | 1,200 | <ul style="list-style-type: none"> Arm 1: <i>Imfinzi</i> + tremelimumab (Regimen 1) Arm 2: <i>Imfinzi</i> + tremelimumab (Regimen 2) Arm 3: <i>Imfinzi</i> Arm 4: sorafenib | <ul style="list-style-type: none"> Primary endpoint: OS Secondary endpoint: PFS, time to tumour progression (TTP), ORR | <ul style="list-style-type: none"> Data anticipated: 2019 |

Calquence (acalabrutinib, BTK inhibitor)

Blood cancers

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoint(s) | Status |
|---|---|----------|--|---|---|
| Phase III ACE-CL-006 (ELEVATE-RR) NCT02477696 | Relapsed/refractory chronic lymphocytic leukaemia (CLL), high risk | 500 | <ul style="list-style-type: none"> Arm A: <i>Calquence</i> Arm B: ibrutinib | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoints: comparison of incidence of infections, RTs and atrial fibrillation, OS | <ul style="list-style-type: none"> FPCD: Q4 2015 Data anticipated: 2019 |
| Phase III ACE-CL-007 (ELEVATE-TN) NCT02475681 | Previously untreated CLL | 535 | <ul style="list-style-type: none"> Arm A: chlorambucil + obinutuzumab Arm B: <i>Calquence</i>+ obinutuzumab Arm C: <i>Calquence</i> | <ul style="list-style-type: none"> Primary endpoint: PFS (Arm A vs Arm B) Secondary endpoints: IRC assessed ORR, TTNT, OS (Arm A vs Arm B vs Arm C) | <ul style="list-style-type: none"> FPCD: Q3 2015 Data anticipated: 2019 |
| Phase III ACE-CL-309 NCT02970318 | Relapsed/refractory CLL | 306 | <ul style="list-style-type: none"> Arm A: <i>Calquence</i> Arm B: rituximab + idelalisib or bendamustine (investigator's choice) | <ul style="list-style-type: none"> Primary endpoint: IRC assessed PFS (arm A vs Arm B) Secondary endpoints: INV assessed ORR, TTNT, OS, DOR, PROs | <ul style="list-style-type: none"> FPCD Q3 2016 Data anticipated: 2020 |
| Phase III ACE-LY-308 NCT02972840 | Previously untreated Mantle cell lymphoma (MCL) | 546 | <ul style="list-style-type: none"> Arm A: <i>Calquence</i> + bendamustine + rituximab Arm B: bendamustine + rituximab | <ul style="list-style-type: none"> Primary endpoint: PFS by Lugano Classification for NHL Secondary endpoints: Investigator-assessed (IA) PFS, ORR; IRC assessed ORR, DOR, time to response; OS | <ul style="list-style-type: none"> Data anticipated: 2022 |
| Phase II ACE-CL-208 NCT02717611 | Relapsed/ refractory CLL, intolerant to ibrutinib | 60 | <i>Calquence</i> monotherapy | <ul style="list-style-type: none"> ORR at 36 cycles | <ul style="list-style-type: none"> FPCD: Q1 2016 Data anticipated: 2020 |
| Phase II 15-H-0016 NCT02337829 | Relapsed/refractory and treatment naive/del17p CLL/small lymphocytic lymphoma (SLL) | 48 | <i>Calquence</i> monotherapy <ul style="list-style-type: none"> Arm A: Lymph node biopsy Arm B: Bone marrow biopsy | <ul style="list-style-type: none"> ORR Secondary endpoints: Safety, TTP, PFS, OS | <ul style="list-style-type: none"> FPCD: Q4 2014 Data anticipated: H2 2017 |
| Phase II ACE-LY-004 NCT02213926 | Relapsed/refractory MCL | 124 | <i>Calquence</i> monotherapy | <ul style="list-style-type: none"> ORR | <ul style="list-style-type: none"> FPCD: Q3 2014 Data readout: Q2 2017 |
| Phase I/II ACE-CL-001 NCT02029443 | CLL/SLL/Richter's transformation (RT) | 286 | <i>Calquence</i> monotherapy Dose escalation and expansion | <ul style="list-style-type: none"> Safety, PK, PD Secondary endpoints: ORR, DOR, and PFS | <ul style="list-style-type: none"> FPCD: Q1 2014 LPD: Q2 2016 Data anticipated: 2019 |



Calquence (acalabrutinib, BTK inhibitor)

Blood cancers

| Trial | Population | Patients | Design | Endpoint(s) | Status |
|---|---|----------|--|--|---|
| Phase I/II ACE-LY-001 NCT02328014 | B-Cell Malignancies | 126 | Dose escalation and expansion trial of the combination of <i>Calquence</i> and ACP-319 (Pi3K inhibitor) | <ul style="list-style-type: none"> Safety ORR | <ul style="list-style-type: none"> FPCD: Q4 2014 Data anticipated: H2 2017 |
| Phase I/II ACE-LY-005 NCT02362035 | Haematological Malignancies | 159 | <i>Calquence</i> + pembrolizumab | <ul style="list-style-type: none"> Safety Secondary endpoints: ORR, DOR, PFS, OS, TTNT | <ul style="list-style-type: none"> FPCD: Q1 2015 Data anticipated: 2021 |
| Phase I/II ACE-WM-001 NCT02180724 | Waldenstrom Microglobulinaemia (WM) | 106 | <i>Calquence</i> monotherapy | <ul style="list-style-type: none"> ORR | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: Q4 2015 Data readout: H2 2017 |
| Phase Ib ACE-LY-002 NCT02112526 | Relapsed/refractory de novo ABC Diffuse large B-cell lymphoma (DLBCL) | 21 | <i>Calquence</i> monotherapy | <ul style="list-style-type: none"> Safety | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: Q2 2016 Data readout: Q2 2017 |
| Phase Ib ACE-LY-106 NCT02717624 | Mantle Cell Lymphoma (MCL) | 48 | <i>Calquence</i> in combination with bendamustine and rituximab <ul style="list-style-type: none"> Arm A: Treatment naive Arm B: Relapsed/refractory | <ul style="list-style-type: none"> Safety | <ul style="list-style-type: none"> FPCD: Q1 2016 Data anticipated: 2021 |
| Phase Ib ACE-MY-001 NCT02211014 | Relapsed/refractory Multiple Myeloma | 28 | <ul style="list-style-type: none"> Arm A: <i>Calquence</i> Arm B: <i>Calquence</i> + dexamethasone | <ul style="list-style-type: none"> Safety | <ul style="list-style-type: none"> FPCD: Q1 2015 LPCD: Q1 2016 Data readout: Q2 2017 |
| Phase I ACE-LY-003 NCT02180711 | Relapsed/refractory Follicular Lymphoma | 40 | <ul style="list-style-type: none"> Arm A: <i>Calquence</i> Arm B: <i>Calquence</i> + rituximab | <ul style="list-style-type: none"> Safety | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: Q3 2016 Data anticipated: 2018 |
| Phase I ACE-CL-002 NCT02157324 | Relapsed/refractory CLL/SLL | 12 | <i>Calquence</i> in combination with ACP-319 Dose escalation | <ul style="list-style-type: none"> Safety, PK, PD | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: Q3 2015 Data anticipated: 2018 |
| Phase I ACE-CL-003 NCT02296918 | CLL/SLL/Prolymphocytic leukaemia (PLL) | 45 | <i>Calquence</i> + obinutuzumab <ul style="list-style-type: none"> Arm A: Relapsed/refractory Arm B: Treatment naive | <ul style="list-style-type: none"> Safety, ORR Secondary endpoints: PD, PFS, TTN, OS | <ul style="list-style-type: none"> FPCD: Q4 2014 LPCD: Q1 2018 Data anticipated: H2 2018 |

Calquence (acalabrutinib, BTK inhibitor)

Blood cancers

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoint(s) | Status |
|---------------------------|---|----------|--|--|--|
| Phase I NCT03198650 | Japanese Adults with Advanced B-cell Malignancies | 28 | <ul style="list-style-type: none">• <i>Calquence</i> monotherapy• Dose confirmation and expansion | <ul style="list-style-type: none">• Safety | <ul style="list-style-type: none">• FPCD: Q2 2017• Data anticipated: 2021 |
| Phase I/II NCT03205046 | R/R B-cell Malignancies | 59 | <ul style="list-style-type: none">• Arm A: <i>Calquence</i> daily + vistusertib daily• Arm B: <i>Calquence</i> daily + vistusertib 5 days on and 2 days off | <ul style="list-style-type: none">• Identify dose and schedule for vistusertib• Safety of coadministration of acalabrutinib + vistusertib | <ul style="list-style-type: none">• FPCD: Q1 2017• Data anticipated: 2019 |



Calquence (acalabrutinib, BTK inhibitor)

Other cancers

| Trial | Population | Patients | Design | Endpoint(s) | Status |
|--|---|----------|---|---|---|
| Phase II ACE-ST-006 NCT02454179 | ≥ 2L advanced or metastatic HNSCC | 74 | <ul style="list-style-type: none"> Arm A: pembrolizumab Arm B: <i>Calquence</i> + pembrolizumab | • ORR | <ul style="list-style-type: none"> FPCD: Q2 2015 LPCD: Q2 2016 Data anticipated: H2 2017 |
| Phase II ACE-ST-007 NCT02448303 | ≥ 2L advanced or metastatic NSCLC | 74 | <ul style="list-style-type: none"> Arm A: pembrolizumab Arm B: <i>Calquence</i> + pembrolizumab | • ORR | <ul style="list-style-type: none"> FPCD: Q2 2015 LPCD Q2 2016 Data readout: Q2 2017 |
| Phase II ACE-ST-208 NCT02537444 | Recurrent ovarian cancer | 76 | <ul style="list-style-type: none"> Arm A: <i>Calquence</i> Arm B: <i>Calquence</i> + pembrolizumab | • ORR | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD Q2 2016 Data anticipated: H2 2017 |
| Phase II ACE-ST-003 NCT02362048 | ≥ 2L advanced or metastatic pancreatic cancer | 73 | <ul style="list-style-type: none"> Arm A: <i>Calquence</i> Arm B: <i>Calquence</i> + pembrolizumab | • Safety | <ul style="list-style-type: none"> FPCD: Q2 2015 LPCD: Q1 2016 Data readout: Q2 2017 |
| Phase II ACE-ST-005 NCT02351739 | Platinum-resistant urothelial bladder cancer | 75 | <ul style="list-style-type: none"> Arm A: pembrolizumab Arm B: <i>Calquence</i> + pembrolizumab | • ORR | <ul style="list-style-type: none"> FPCD: Q2 2015 LPCD: Q1 2016 Data anticipated: H2 2017 |
| Phase Ib/II ACE-ST-209 NCT02586857 | ≥ 2L glioblastoma multiforme | 72 | <ul style="list-style-type: none"> Arm A: <i>Calquence</i> 200 mg BID Arm B: <i>Calquence</i> 400 mg QD | <ul style="list-style-type: none"> Safety, ORR Secondary Endpoints: DOR, PFS, PFS-6, OS | <ul style="list-style-type: none"> FPCD: Q1 2016 Data anticipated: 2018 |



Brilinta (ADP receptor antagonist)

Cardiovascular risk reduction

| Trial | Population | Patients | Design | Endpoints (primary) | Status |
|---|--|----------|---|--|--|
| Phase III THEMIS NCT01991795 | Patients with type-2 diabetes and coronary artery disease without a previous history of myocardial infarction (MI) or stroke | 19,000 | <ul style="list-style-type: none"> Arm 1: <i>Brilinta</i> 60mg BiD Arm 2: Placebo BiD on a background of acetylsalicylic acid if not contra-indicated or not tolerated Global trial – 42 countries | <ul style="list-style-type: none"> Primary endpoint: Composite of cardiovascular (CV) death, non-fatal MI and non-fatal stroke Secondary endpoints: <ul style="list-style-type: none"> Prevention of CV death Prevention of MI Prevention of ischaemic stroke Prevention of all-cause death | <ul style="list-style-type: none"> FPCD: Q1 2014 LPCD: Q2 2016 Data anticipated: 2019 |



Farxiga (SGLT2 inhibitor)

Diabetes

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|---|--|---|
| Phase III/IV DECLARE NCT01730534 | Type-2 diabetes with high risk for CV event | 17,276 | <ul style="list-style-type: none"> Arm 1: <i>Farxiga</i> 10mg QD + SoC therapy QD Arm 2: Placebo + SoC therapy for type-2 Diabetes Global trial – 33 countries | <ul style="list-style-type: none"> Primary endpoint: Time to first event included in the composite endpoint of CV death, MI or ischaemic stroke | <ul style="list-style-type: none"> FPCD: Q2 2013 Data anticipated: H2 2018 |
| Phase III NCT02096705 Partnered | Asian patients with type-2 diabetes with inadequate glyceamic control on insulin | 273 | <ul style="list-style-type: none"> Arm 1: <i>Farxiga</i> 10mg QD for 24 weeks + background insulin Arm 2: Placebo QD for 24 weeks + background insulin Asia trial – three countries | <ul style="list-style-type: none"> Primary endpoint: Change from baseline in Haemoglobin A1C (HbA1c) at week 24 | <ul style="list-style-type: none"> FPCD: Q1 2014 LPCD: Q1 2016 Data Readout: Q2 2016 Primary endpoint met |
| Phase III DERIVE NCT02413398 | Patients with type-2 diabetes and moderate renal impairment | 302 | <ul style="list-style-type: none"> Arm 1: <i>Farxiga</i> 10mg QD for 24 weeks Arm 2: Placebo 10mg QD for 24 weeks Global trial – eight countries | <ul style="list-style-type: none"> Primary endpoint: Change from baseline in HbA1c at week 24 | <ul style="list-style-type: none"> FPCD: Q2 2015 LPCD: Q2 2017 |
| Phase III DEPICT 1 NCT02268214 Partnered | Type-1 diabetes | 768 | <ul style="list-style-type: none"> Arm 1: <i>Farxiga</i> 5mg QD 52 weeks + insulin Arm 2: <i>Farxiga</i> 10mg QD 52 weeks + insulin Arm 3: Placebo QD 52 weeks + insulin Global trial – 17 countries | <ul style="list-style-type: none"> Primary endpoint: : Adjusted Mean Change From Baseline in HbA1c at week 24 | <ul style="list-style-type: none"> FPCD: Q4 2014 LPCD Q2 2016 Data readout: Q1 2017 |
| Phase III DEPICT 2 NCT02460978 Partnered | Type-1 diabetes | 768 | <ul style="list-style-type: none"> Arm 1: <i>Farxiga</i> 5mg QD 52 weeks + insulin Arm 2: <i>Farxiga</i> 10mg QD 52 weeks + insulin Arm 3: Placebo QD 52 weeks + insulin Global trial – 14 countries | <ul style="list-style-type: none"> Primary endpoint: Adjusted Mean Change From Baseline in Haemoglobin A1C (HbA1c) at week 24 | <ul style="list-style-type: none"> FPCD: Q3 2015 LPCD: Q1 2017 |



Farxiga (SGLT2 inhibitor)

Diabetes / cardiovascular risk reduction

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|---|--|---|
| Phase III Dapa-HF NCT03036124 | Patients With Chronic Heart Failure (CHF) | 4,500 | <ul style="list-style-type: none"> Arm 1: <i>Farxiga</i> 10mg or 5 mg QD + standard of care therapy Arm 2: Placebo + standard of care therapy <ul style="list-style-type: none"> Global trial - 20 countries | <ul style="list-style-type: none"> Primary endpoint: Time to the first occurrence of any of the components of the composite: CV death or hospitalisation for heart failure (HF) or an urgent HF visit | <ul style="list-style-type: none"> FPCD: Q1 2017 |
| Phase III Dapa-CKD NCT03036150 | Patients With Chronic Kidney Disease (CKD) | 4,000 | <ul style="list-style-type: none"> Arm 1: <i>Farxiga</i> 10mg or 5 mg QD Arm 2: Placebo <ul style="list-style-type: none"> Global trial - 20 countries | <ul style="list-style-type: none"> Primary endpoint: Time to the first occurrence of any of the components of the composite: $\geq 50\%$ sustained decline in eGFR or reaching end stage renal disease (ESRD) or CV death or renal death | <ul style="list-style-type: none"> FPCD: Q1 2017 |



Qtern (saxagliptin/dapagliflozin) (DPP-4/SGLT2 inhibitor)

Type-2 diabetes

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------|-----------------|----------|--|--|---|
| Phase III NCT02284893 | Type-2 diabetes | 420 | <ul style="list-style-type: none"> Arm 1: saxagliptin 5mg + dapagliflozin 10mg + Met IR/XR Arm 2: sitagliptin 100mg + Met IR/XR <p>Global trial – six countries</p> | <ul style="list-style-type: none"> Primary endpoint: Mean change from baseline in HbA1c at week 24 <p>Secondary endpoints:</p> <ul style="list-style-type: none"> The proportion of subjects achieving a therapeutic glycaemic response at week 24 defined as HbA1c<7% Mean change in total body weight at week 24 | <ul style="list-style-type: none"> FPCD: Q1 2015 LPCD: Q3 2015 Data readout: Q3 2016 |
| Phase III NCT02419612 | Type-2 diabetes | 440 | <ul style="list-style-type: none"> Arm 1: saxagliptin 5mg + dapagliflozin 10mg + Met IR/XR Arm 2: glimeperide 1-6mg + Met IR/XR <p>Global trial – 10 countries</p> | <ul style="list-style-type: none"> Primary endpoint: Mean change from baseline in HbA1c at week 52 <p>Secondary endpoints:</p> <ul style="list-style-type: none"> Mean change from baseline in total body weight at week 52 The proportion of subjects achieving a therapeutic glycaemic response at week 52 defined as HbA1c<7.0% | <ul style="list-style-type: none"> FPCD: Q3 2015 LPCD: Q3 2016 Data anticipated: H2 2017 |
| Phase III NCT02551874 | Type-2 diabetes | 598 | <ul style="list-style-type: none"> Arm 1: saxagliptin 5mg + dapagliflozin 10mg + Met IR/XR with or without SU Arm 2: insulin glargine + Met IR/XR with or without SU <p>Global trial – 12 countries</p> | <ul style="list-style-type: none"> Primary endpoint: Mean change from baseline in HbA1c at week 24 <p>Secondary endpoints:</p> <ul style="list-style-type: none"> Mean change in total body weight at week 24 The proportion of subjects with confirmed hypoglycaemia at week 24 | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD: Q4 2016 Data anticipated: H2 2017 |
| Phase III NCT02681094 | Type-2 diabetes | 900 | <ul style="list-style-type: none"> Arm 1: saxagliptin 5mg + dapagliflozin 5mg + Met IR/XR Arm 2: dapagliflozin 5mg + placebo + Met IR/XR Arm 3: saxagliptin 5mg + placebo + Met IR/XR <p>Global trial – six countries</p> | <ul style="list-style-type: none"> Primary endpoint: Mean change from baseline in HbA1c at week 24 <p>Secondary endpoints:</p> <ul style="list-style-type: none"> The proportion of subjects achieving a therapeutic glycaemic response at week 24 defined as HbA1c<7% Mean change in fasting plasma glucose at 24 weeks | <ul style="list-style-type: none"> FPCD: Q1 2016 LPCD: Q4 2016 Data anticipated: H2 2017 |



Bydureon (GLP-1 receptor agonist)

Type-2 diabetes

| Trial | Population | Patients | Design | Endpoints | Status |
|---|-----------------|----------|--|--|---|
| Phase IV EXSCEL NCT01144338 Partnered | Type-2 diabetes | 14,742 | <ul style="list-style-type: none"> Arm 1: <i>Bydureon</i> once weekly 2mg SC Arm 2: Placebo <p>On a background of SoC medication, different degree of CV risk</p> <p>Global trial</p> | <ul style="list-style-type: none"> Primary endpoint: Time to first confirmed CV event in the primary composite CV endpoint (CV death, non-fatal MI, non-fatal stroke) | <ul style="list-style-type: none"> FPD: Q2 2010 LPCD: Q4 2015 Data anticipated: H2 2017 Primary safety endpoint met Primary efficacy endpoint not met |
| Phase III DURATION-NEO 1 NCT01652716 Partnered | Type-2 diabetes | 375 | <ul style="list-style-type: none"> Arm 1: <i>Bydureon</i> BiD SC (autoinjector) Arm 2: <i>Bydureon</i> weekly suspension SC (autoinjector) <p>On a background of diet & exercise alone or with stable regimen of oral antidiabetics</p> <p>US only</p> | <ul style="list-style-type: none"> Primary endpoint: Change in HbA1c from baseline at 28 weeks | <ul style="list-style-type: none"> FPCD: Q1 2013 Data readout: Q3 2014 Primary endpoint met |
| Phase III DURATION-NEO 2 NCT01652729 Partnered | Type-2 diabetes | 360 | <ul style="list-style-type: none"> Arm 1: sitagliptin Arm 2: <i>Bydureon</i> weekly suspension SC (autoinjector) Arm 3: Placebo <p>On a background of diet & exercise alone or with stable regimen of oral antidiabetics</p> <p>US only</p> | <ul style="list-style-type: none"> Primary endpoint: Change in HbA1c from baseline at 28 weeks | <ul style="list-style-type: none"> FPCD: Q1 2013 Data readout : Q3 2014 Primary endpoint met |
| Phase III DURATION 7 NCT02229383 | Type-2 diabetes | 440 | <ul style="list-style-type: none"> Arm 1: <i>Bydureon</i> once weekly 2mg SC + titrated basal insulin Arm 2: Placebo + titrated basal insulin <p>Double-blind 1:1 randomisation. Background therapy with or without metformin</p> <p>Global trial</p> | <ul style="list-style-type: none"> Primary endpoint: Change in HbA1c from baseline at 28 weeks | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: Q3 2016 Data readout: Q4 2016 Primary endpoint met |
| Phase III DURATION 8 NCT02229396 | Type-2 diabetes | 660 | <ul style="list-style-type: none"> Arm 1: <i>Bydureon</i> once weekly 2mg SC Arm 2: <i>Forxiga</i> 10mg Arm 3: <i>Bydureon</i> once weekly 2mg SC + <i>Forxiga</i> 10mg <p>Double-blind 1:1:1 randomisation. Background therapy with metformin 1500mg/day up to 2 months prior to screening</p> <p>Global trial</p> | <ul style="list-style-type: none"> Primary endpoint: Change in HbA1c from baseline at 28 weeks | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: H2 2017 Data readout: Q3 2016 – 28-week data Q1 2017 – 52-week data Primary endpoint met Data anticipated: 2018 – 104-week data |



Epanova (omega-3 carboxylic acids)

Hypertriglyceridaemia

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|--|---|--|
| Phase III STRENGTH (CVOT) NCT02104817 | Patients with hypertriglyceridaemia and high cardiovascular disease risk | 13,000 | <ul style="list-style-type: none"> Arm 1: <i>Epanova</i> 4g QD + statin Arm 2: Placebo (corn oil) + statin Global trial – 22 countries | <ul style="list-style-type: none"> Primary endpoint: Composite of MACE | <ul style="list-style-type: none"> FPCD: Q4 2014 LPD: Q2 2017 Data anticipated: 2019 |
| Phase III NCT02463071 | Japanese patients with hypertriglyceridaemia | 375 | <ul style="list-style-type: none"> <i>Epanova</i> 2g and 4g vs Placebo (after meal) daily for 52 weeks Global trial – one country | Primary endpoints: <ul style="list-style-type: none"> Safety in Japanese patients % change in triglycerides | <ul style="list-style-type: none"> FPCD: Q2 2015 LPD: Q1 2016 Data readout: Q2 2017 |
| Phase III EVOLVE II NCT02009865 | Severe hypertriglyceridaemia | 162 | <ul style="list-style-type: none"> Arm 1: <i>Epanova</i> 2g QD Arm 2: Placebo (olive oil) Global trial – seven countries | <ul style="list-style-type: none"> Primary endpoint: Change in serum triglycerides over 12 weeks | <ul style="list-style-type: none"> FPCD: Q4 2013 LPD: Q4 2014 Data readout: Q4 2015 Primary endpoint met |
| Phase II EFFECT I NCT02354976 | Overweight patients with hypertriglyceridaemia | 75 | <ul style="list-style-type: none"> <i>Epanova</i> 4g vs Placebo vs Fenofibrate 200mg daily for 12 weeks Global trial – one country | Primary endpoints: <ul style="list-style-type: none"> Reduction in liver fat content (%) at the end of 12 weeks compared to placebo Reduction in liver fat content (%) at the end of 12 weeks compared to fenofibrate | <ul style="list-style-type: none"> FPCD: Q3 2015 LPD: Q2 2016 Data readout: Q4 2016 |
| Phase II EFFECT II NCT02279407 | Type-2 diabetes Liver fat >5.5% | 80 | <ul style="list-style-type: none"> Arm 1: <i>Epanova</i> 4g QD Arm 2: Placebo (olive oil) Arm 3: <i>Epanova</i> 4g + <i>Farxiga</i> 10mg QD Arm 4: <i>Farxiga</i> 10mg Local trial – one country | <ul style="list-style-type: none"> Primary endpoints: Reduction in liver fat content (%) at the end of 12 weeks | <ul style="list-style-type: none"> FPCD: Q1 2015 LPD: Q4 2015 Data readout: Q2 2016 |
| Phase I PRECISE NCT02370537 | Pancreatic Exocrine Insufficiency (PEI) in patients with type-2 diabetes | 66 | <ul style="list-style-type: none"> Arm 1: <i>Epanova</i> 4g single dose Arm 2: <i>Omacor</i> 4g single dose Global trial – six countries in Europe | <ul style="list-style-type: none"> Primary endpoint: PEI, PK of <i>Epanova</i> and <i>Omacor</i> following a single oral dose in patients with different degrees of PEI | <ul style="list-style-type: none"> FPCD: Q1 2015 LPD: Q4 2015 Data readout: Q2 2016 |



Symbicort (ICS/LABA)

Mild asthma

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|--|---|----------|--|---|--|
| Phase III SYGMA1 NCT02149199 | Patients in need of GINA step-2 treatment | 3,850 | <ul style="list-style-type: none"> Arm 1: <i>Symbicort Turbuhaler</i> 160/4.5 µg 'as needed' + Placebo <i>Pulmicort Turbuhaler</i> 200µg bid Arm 2: <i>Pulmicort Turbuhaler</i> 200 µg bid + terbutaline 0.4mg Turbuhaler 'as needed' Arm 3: terbutaline Turbuhaler 0.4mg 'as needed' + placebo <i>Pulmicort Turbuhaler</i> 200µg bid Global trial – 19 countries | <ul style="list-style-type: none"> Primary endpoint: Well-controlled asthma weeks (primary) Secondary endpoints: <ul style="list-style-type: none"> Time to first severe asthma exacerbation Time to first moderate or severe asthma exacerbation Average change from baseline in pre-dose FEV₁ | <ul style="list-style-type: none"> FPCD: Q4 2014 LPD: Q3 2016 Data readout: Q3 2017 Primary endpoint met |
| Phase III SYGMA2 NCT02224157 | Patients in need of GINA step-2 treatment | 4,214 | <ul style="list-style-type: none"> Arm 1: <i>Symbicort Turbuhaler</i> 160/4.5µg 'as needed' + Placebo <i>Pulmicort Turbuhaler</i> 200µg bid Arm 2: <i>Pulmicort Turbuhaler</i> 200µg bid + terbutaline 0.4mg Turbuhaler 'as needed' Global trial – 25 countries | <ul style="list-style-type: none"> Primary endpoint: Annual severe asthma exacerbation rate (primary) Secondary endpoints: <ul style="list-style-type: none"> Time to first severe asthma exacerbation Average change from baseline in pre-dose FEV₁ Time to trial specific asthma related discontinuation | <ul style="list-style-type: none"> FPCD: Q1 2015 LPD: Q3 2016 Data readout: Q3 2017 Primary endpoint met |

ICS = Inhaled corticosteroids

LABA = Long Acting Beta Agonist

GINA = Global Initiative for Asthma guidelines



Eklira/Tudorza (LAMA)

Chronic obstructive pulmonary disease (COPD)

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------------------|---|----------|---|---|---|
| Phase IV NCT02375724 Partnered | Patients with COPD | 224 | <ul style="list-style-type: none"> Arm 1: <i>Eklira/Tudorza</i> 400µg Arm 2: Placebo to acilidinium bromide 400µg Global trial – five countries | <ul style="list-style-type: none"> Primary endpoint: Change from baseline in overall E-RS Total score (i.e. score over the whole eight weeks study period) Secondary endpoints: <ul style="list-style-type: none"> Change from baseline in overall E-RS Cough and Sputum domain score Change from baseline in the LCQ Total score at Week 8. Average change from baseline in pre-dose FEV1 | <ul style="list-style-type: none"> FPCD: Q1 2015 LPCD: Q3 2015 Data readout: Q1 2016 |
| Phase IV ASCENT NCT01966107 | Patients with moderate to very severe COPD | 4,000 | <ul style="list-style-type: none"> Arm 1: <i>Eklira/Tudorza</i> 400µg Arm 2: Placebo to acilidinium bromide 400µg Global trial – two countries | Primary endpoints: <ul style="list-style-type: none"> Time to first Major Adverse Cardiovascular Event (MACE). Up to 36 Months Rate of moderate or severe COPD exacerbations per patient per year during the first year of treatment Secondary endpoints: <ul style="list-style-type: none"> Rate of hospitalisations due to COPD exacerbation per patient per year during the first year of treatment Time to first MACE or other serious cardiovascular events of interest. Up to 36 Months | <ul style="list-style-type: none"> FPCD: Q3 2013 LPCD: Q3 2016 |
| Phase IV NCT02153489 Partnered | Patients with stable moderate and severe COPD | 30 | <ul style="list-style-type: none"> Arm 1: <i>Eklira/Tudorza</i> 400µg Arm 2: Placebo to acilidinium bromide 400µg Local trial – one country | <ul style="list-style-type: none"> Primary endpoint: Change from baseline in normalised forced expiratory volume in one second (FEV1). Week 3. FEV1 over the 24-hour period (AUC0-24) will be measured following morning administration Secondary endpoint: Adverse events. Week 5 | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q1 2015 Data readout: Q4 2015 |

LAMA = Long Acting Muscarinic Agonist



Duaklir Genuair (LAMA/LABA)

Chronic obstructive pulmonary disease (COPD)

| Trial | Population | Patients | Design | Endpoints | Status |
|---|-----------------------------|----------|--|---|---|
| Phase IIb ACHIEVE NCT02796651 | Patients with moderate COPD | 120 | <ul style="list-style-type: none"> Arm 1: <i>Duaklir Genuair</i> 400/12 µg Arm 2: Placebo to acclidinium/formoterol FDC 400/12 µg <p>Global trial – one country</p> | <ul style="list-style-type: none"> Primary endpoint: Change from baseline in normalised FEV1 AUC over the 12h period immediately after morning trial drug administration, AUC0-12/12h at Day 7 on treatment <p>Secondary endpoint:</p> <ul style="list-style-type: none"> Change from baseline in FEV1 AUC0-6/6h at day one and day seven on treatment Change from baseline in morning pre-dose FEV1 at day seven on treatment | <ul style="list-style-type: none"> FPCD: Q3 2016 LPD: Q3 2016 Data readout: Q1 2017 |
| Phase III AMPLIFY NCT02796677 | Patients with stable COPD | 1,500 | <ul style="list-style-type: none"> Arm 1: <i>Duaklir Genuair</i> 400/12 µg Arm 2: acclidinium bromide 400µg Arm 3: formoterol fumarate 12µg Arm 4: tiotropium 18µg <p>Global trial – 13 countries</p> | <p>Primary endpoints:</p> <ul style="list-style-type: none"> Change from baseline in 1-hour morning post-dose dose FEV1 of <i>Duaklir Genuair</i> 400/12 µg compared to AB 400µg at week 24 Change from baseline in morning predose (trough) FEV1 of <i>Duaklir Genuair</i> 400/12 µg compared to FF 12µg at week 24 Change from baseline in morning predose (trough) FEV1 at week 24 comparing AB 400µg versus TIO 18µg | <ul style="list-style-type: none"> FPCD: Q3 2016 LPD: Q4 2016 Data readout Q3 2017 Primary endpoint met |
| Phase III AVANT NCT03022097 | Patients with stable COPD | 1,060 | <ul style="list-style-type: none"> Arm 1: <i>Duaklir Genuair</i> 400/12 µg Arm 2: acclidinium bromide 400 µg Arm 3: formoterol fumarate 12 µg Arm 4: tiotropium 18 µg <p>Global Study – five countries</p> | <p>Primary endpoints:</p> <ul style="list-style-type: none"> Change from baseline in 1-hour morning post-dose dose FEV1 <i>Duaklir Genuair</i> 400/12 µg compared to Acclidinium bromide at Week 24 Change from baseline in morning pre-dose (trough) FEV1 of <i>Duaklir Genuair</i> 400/12 µg compared to Formoterol fumarate at Week 24 Change from baseline in trough FEV1 of Acclidinium bromide 400 µg compared to placebo at Week 24 | <ul style="list-style-type: none"> FPCD: Q1 2017 |

LAMA = Long Acting Muscarinic Agonist

LABA = Long Acting Beta Agonist



Duaklir Genuair (LAMA/LABA)

Chronic obstructive pulmonary disease (COPD)

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|---|---|---|
| Phase IIa CTs.gov Identifier: NCT03276078 | Chinese patients with stable moderate to severe COPD | 20 | <ul style="list-style-type: none"> Single and multiple twice daily doses of inhaled aclidinium bromide/formoterol fumarate 400/12 Global Study – One country | <ul style="list-style-type: none"> To evaluate the pharmacokinetics (PK) of aclidinium bromide, its metabolites LAS34850 and LAS34823 and formoterol after administration of aclidinium bromide/formoterol 400/12 µg twice-daily (BID) for five days To evaluate the safety and tolerability of aclidinium bromide/formoterol 400/12 µg twice-daily (BID) administered for 5 days | <ul style="list-style-type: none"> FPCD: Q4 2017 Data anticipated: 2018 |

LAMA = Long Acting Muscarinic Agonist
 LABA = Long Acting Beta Agonist



Bevespi Aerosphere (LAMA/LABA)

Chronic obstructive pulmonary disease (COPD)

| Trial | Population | Patients | Design | Endpoints | Status |
|--|------------------------------|----------|--|---|---|
| Phase III PINNACLE 1 NCT01854645 | Moderate to very severe COPD | 2,103 | Treatment (24-week Treatment Period) <ul style="list-style-type: none"> • Arm 1: GFF MDI (<i>Bevespi Aerosphere</i>) 14.4/9.6µg BID • Arm 2: GP MDI (PT001) 14.4µg BID • Arm 3: FF MDI (PT005) 9.6µg BID • Arm 4: Open-label tiotropium bromide inhalation powder 18µg QD • Arm 5: Placebo MDI BID Multicentre, randomised, double-blind, parallel-group, chronic dosing, placebo- and active- controlled US, Australia, New Zealand | <ul style="list-style-type: none"> • Primary endpoint: Change from baseline in morning pre-dose trough FEV₁ | <ul style="list-style-type: none"> • FPCC: Q2 2013 • LPCD: Q3 2014 • Data readout: Q1 2015 |
| Phase III PINNACLE 2 NCT01854658 | Moderate to very severe COPD | 1,615 | Treatment (24-week Treatment Period) <ul style="list-style-type: none"> • Arm 1: GFF MDI (<i>Bevespi Aerosphere</i>) 14.4/9.6µg BID • Arm 2: GP MDI (PT001) 14.4µg BID • Arm 3: FF MDI (PT005) 9.6µg BID • Arm 4: Placebo MDI BID Multicentre, randomised, double-blind, parallel group, chronic dosing and placebo-controlled US | <ul style="list-style-type: none"> • Primary endpoint: Change from baseline in morning pre-dose trough FEV₁ | <ul style="list-style-type: none"> • FPCC: Q3 2013 • LPCD: Q3 2014 • Data readout: Q1 2015 |
| Phase III PINNACLE 3 NCT01970878 | Moderate to very severe COPD | 893 | Treatment (28-week Treatment Period) <ul style="list-style-type: none"> • Arm 1: GFF MDI (<i>Bevespi Aerosphere</i>) 14.4/9.6µg BID • Arm 2: GP MDI (PT001) 14.4µg BID • Arm 3: FF MDI (PT005) 9.6µg BID • Arm 4: Open-label tiotropium bromide inhalation powder QD Multi-centre, randomised, double-blind, parallel-group and active-controlled US, Australia, New Zealand | <ul style="list-style-type: none"> • Primary endpoint: Change from baseline in morning pre-dose trough FEV₁ | <ul style="list-style-type: none"> • FPCC: Q4 2013 • LPCD: Q2 2014 • Data readout: Q1 2015 |

LAMA = Long Acting Muscarinic Agonist

LABA = Long Acting Beta Agonist

GFF = Glycopyrronium and formoterol



Bevespi Aerosphere (LAMA/LABA)

Chronic obstructive pulmonary disease (COPD)

| Trial | Population | Patients | Design (G = glycopyrronium, F = formoterol fumarate) | Endpoints | Status |
|---|------------------------------|----------|---|--|--|
| Phase III PINNACLE 4 NCT02343458 | Moderate to very severe COPD | 1,614 | Treatments (24-week Treatment Period) <ul style="list-style-type: none"> GFF MDI (<i>Bevespi Aerosphere</i>) 14.4/9.6µg (N=514) GP 14.4µg (N=440) FF 9.6µg (N=440) Placebo (N=220) US/China: Trough FEV1 at week 24 of treatment EU/Hybrid: Co-primary = Trough FEV ₁ over week 24 of treatment and TDI score over 24 weeks Randomised, Double-Blind, Chronic-Dosing, Placebo-Controlled, Parallel-Group and Multi-Centre US, UK, Germany, Costa Rica, Hungary, Poland, Russia, South Korea, Taiwan, China, Japan | <ul style="list-style-type: none"> Primary endpoint: change from baseline in morning pre-dose trough FEV1 of treatment [Time Frame: At Week 24] Assessed at week 24 for US/China and over weeks 12-24 for Japan, and over 24 weeks for EU/South Korea/Taiwan Secondary endpoint: TDI score (co-primary endpoint for EU and Hybrid) [Time Frame: Over 24 weeks] | <ul style="list-style-type: none"> FPCD: Q2 2015 LPD: Q1 2017 Data readout: Q3 2017 Primary endpoint met |
| Phase IIIb AERISTO NCT03162055 | Moderate to very severe COPD | 1,000 | Treatments (24-week Treatment Period) <ul style="list-style-type: none"> GFF MDI (<i>Bevespi Aerosphere</i>) 14.4/9.6µg Umeclidinium/vilanterol DPI 62.5/25µg Randomised, Double-Blind, Double-Dummy, Multicentre, Parallel Group US, Canada, Bulgaria, France, Hungary, Russia, Ukraine | Co-primary endpoints: <ul style="list-style-type: none"> Change from baseline in morning pre-dose trough FEV1 over 24 weeks Peak change from baseline in FEV1 within 2 hours post-dosing over 24 weeks | <ul style="list-style-type: none"> FPCD: Q2 2017 Data anticipated: H2 2018 |

LAMA = Long Acting Muscarinic Agonist
 LABA = Long Acting Beta Agonist
 GFF = Glycopyrronium and formoterol



Daliresp/Daxas (oral PDE4 inhibitor)

Chronic obstructive pulmonary disease (COPD)

| Trial | Population | Patients | Design | Endpoints | Status |
|-------------------------------------|------------|----------|--|--|---|
| Phase IV RESPOND NCT01443845 | COPD | 2,354 | <ul style="list-style-type: none"> 52W, randomised, DB with <i>Daliresp</i> 500µg OD vs placebo, in COPD on top of ICS/LABA | <ul style="list-style-type: none"> Primary endpoint: Rate of moderate or severe COPD exacerbations per subject per year | <ul style="list-style-type: none"> FPCD: Q4 2011 LPCD: Q1 2016 Data readout: Q4 2016 |
| Phase IV OPTIMIZE NCT02165826 | COPD | 1,323 | <ul style="list-style-type: none"> 12W, randomised, DB to evaluate tolerability and PK of <i>Daliresp</i> 500µg OD with an up-titration regimen during the first 4Ws, including an open label down-titration evaluating tolerability and PK of 250µg <i>Daliresp</i> OD in subjects not tolerating 500µg OD | <ul style="list-style-type: none"> Primary endpoint: Percentage of participants prematurely discontinuing trial treatment for any reason during the main period | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q3 2015 Data readout: Q4 2016 |
| Phase IIIb ROBERT NCT01509677 | COPD | 158 | <ul style="list-style-type: none"> 16W, randomised, placebo-controlled, DB, parallel-group trial to assess the anti-inflammatory effects of <i>Daliresp</i> in COPD | <ul style="list-style-type: none"> Primary endpoint: Number of inflammatory cells CD8+ in bronchial biopsy tissue specimen (sub-mucosa) measured at randomisation and at the end of the intervention period | <ul style="list-style-type: none"> FPCD: Q1 2012 LPCD: Q1 2016 Data readout: Q4 2016 |

ICS = Inhaled corticosteroids

LABA = Long Acting Beta Agonist



Calquence (acalabrutinib)

Rheumatoid arthritis

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoint(s) | Status |
|---------------------------------------|----------------------|----------|---|---|---|
| Phase II ACE-RA-001 NCT02387762 | Rheumatoid Arthritis | 31 | <ul style="list-style-type: none">• Arm A: Calquence + methotrexate• Arm B: methotrexate | Disease Activity Score 28-CRP at week 4 | FPCD: Q2 2015 LPCD: Q2 2016 Data readout: Q2 2016 |

Oncology

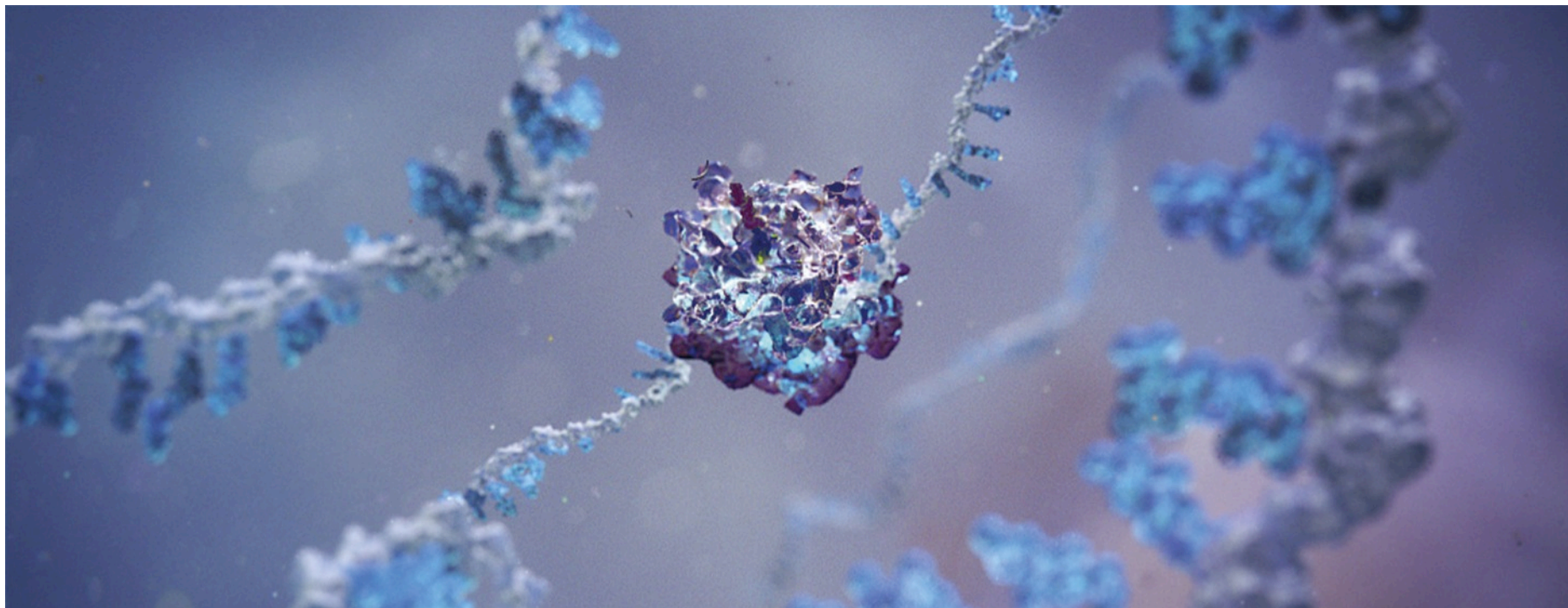
CVMD

Respiratory

Other



Late-stage pipeline



Moxetumomab pasudotox (CD22 mAb)

Blood cancer

| Trial | Population | Patients | Design | Endpoints | Status |
|--|---|----------|---|--|--|
| Phase III PLAIT NCT01829711 | Adults with relapsed or refractory hairy cell leukaemia (HCL) | 77 | <ul style="list-style-type: none"> Multicentre, single-arm, open-label Phase III trial Moxetumomab pasudotox IV at the recommended dose | <ul style="list-style-type: none"> Primary endpoint: Rate of durable CR: CR maintained for > 180 days Efficacy: CR rate, ORR, Duration of CR and ORR, time to response (TTR), PFS Safety and tolerability PK and immunogenicity | <ul style="list-style-type: none"> FPCD: Q2 2013 Data readout: Q3 2017 Primary endpoint met |
| Phase I NCT00586924 | Adults with relapsed refractory HCL | 49 | <ul style="list-style-type: none"> Open-label dose escalation Phase I trial Moxetumomab pasudotox IV | <ul style="list-style-type: none"> Maximum tolerated dose (MTD) and efficacy | <ul style="list-style-type: none"> FPCD: Q2 2007 LPCD: Q1 2014 Data readout: Q2 2015 |



Selumetinib (MEK-inhibitor)

Thyroid cancer and other cancers

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|---------------|---|---|---|
| Phase III ASTRA NCT01843062 | Differentiated thyroid cancer | 304 | <ul style="list-style-type: none"> Arm 1: selumetinib 75mg BiD 5 weeks duration + radioactive iodine (RAI) 100mCi^a Arm 2: Placebo BiD 5 weeks duration + RAI 100mCi^a <p>Global trial – eight countries</p> <p>^a Single dose of 100mCi ¹³¹I administered following 4 weeks of selumetinib (or placebo)</p> | <ul style="list-style-type: none"> Primary endpoint: Complete remission (CR) rate at 18 months post-radioactive iodine | <ul style="list-style-type: none"> FPCD: Q3 2013 LPCD: Q1 2016 Data readout: H1 2018 |
| Phase II NCT01362803 Partnered | Paediatric Neurofibromatosis (PN) type 1 | minimum of 50 | <ul style="list-style-type: none"> Single Arm: selumetinib 25mg/m² BID with 2 strata: <ul style="list-style-type: none"> Stratum 1: PN related morbidity present at enrolment Stratum 2: No PN related morbidity present at enrolment | <ul style="list-style-type: none"> Complete partial and complete response rate measured by volumetric MRI; Duration of response and functional outcomes/QoL | <ul style="list-style-type: none"> FPCD: Q3 2015 LPCD: Q4 2016 |
| Phase I NCT02586987 | Advanced solid tumours | 90 | <ul style="list-style-type: none"> Dose escalation trial: Starting dose selumetinib 50mg bd 1 week on/1 week off – <i>Imfinzi</i> 20mg/kg Q4 – after 7 days of selumetinib dosing Note: No escalation in <i>Imfinzi</i> dose; selumetinib escalation with 25mg bd increment / dose cohort | <ul style="list-style-type: none"> Safety and tolerability PK of selumetinib and <i>Imfinzi</i> and preliminary anti-tumour activity | <ul style="list-style-type: none"> FPCD: Q4 2015 Data anticipated: 2018 |



Savolitinib (MET)

Papillary renal cell and other cancers

| Trial | Population | Patients | Design | Endpoints | Status |
|---------------------------------------|--|----------|---|--|---|
| Phase III NCT03091192 Partnered | MET-Driven, Papillary renal cell cancer | 180 | <ul style="list-style-type: none"> Arm 1: savolitinib 600mg QD Arm 2: sunitinib 50mg QD (4 weeks on / 2 weeks off) Global trial | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoints include ORR, DoR and OS | <ul style="list-style-type: none"> FPCD: Q4 2017 Data anticipated: 2021 |
| Phase II NCT02127710 | Papillary renal cell cancer | 109 | <ul style="list-style-type: none"> Single arm trial: savolitinib 600mg QD Conducted in UK, Spain, US, Canada | <ul style="list-style-type: none"> ORR | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q4 2015 Data readout: Q2 2017 |
| Phase I NCT01985555 Partnered | Advanced cancer (all comers) | ~70 | <ul style="list-style-type: none"> Dose escalation trial Conducted in China | <ul style="list-style-type: none"> Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q2 2013 Data anticipated: 2018 |
| Phase I NCT02374645 | NSCLC | ~53 | <ul style="list-style-type: none"> Dose escalation trial Conducted in China | <ul style="list-style-type: none"> Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q2 2015 Data anticipated: 2018 |
| Phase II NCT02897479 Partnered | Lung Pulmonary Sarcomatoid Carcinoma (PSC) | 45 | <ul style="list-style-type: none"> Single arm trial: savolitinib 600mg QD Conducted in China | <ul style="list-style-type: none"> ORR | <ul style="list-style-type: none"> FPCD: Q1 2017 Data anticipated: 2018 |



Cediranib (VEGF-inhibitor)

Ovarian cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|-----------------------|--|----------|---|---|---|
| Phase IIb CONCERTO | Platinum resistant recurrent (PRR) ovarian cancer - heavily pre-treated BRCAwt | 100 | <ul style="list-style-type: none">Cediranib 30 mg + <i>Lynparza</i> 200 mg bd | <ul style="list-style-type: none">ORR DoR, DCR, QoL. OS; Safety | <ul style="list-style-type: none">FPCD: Q1 2017 |

VEGF - Vascular endothelial growth factor



ZS-9 (Sodium zirconium cyclosilicate)

| Trial | Population | Patients | Design | Endpoints | Status |
|---|---|----------|--|--|---|
| Phase II NCT01493024 | Hyperkalaemia and moderate chronic kidney disease (CKD) | 90 | <ul style="list-style-type: none"> Arm 1: Escalating TID doses (0.3g, 3g and 10g) of ZS Arm 2: Placebo TID | <ul style="list-style-type: none"> Primary endpoint: Change in serum potassium levels from baseline | <ul style="list-style-type: none"> FPCD: Q4 2011 LPCD: Q2 2012 Data readout: Q2 2012 |
| Phase III NCT01737697 | Hyperkalaemia | 754 | <ul style="list-style-type: none"> Arm 1: ZS-9 1.25g TID for 48 hrs followed by QD for 12 days Arm 2: ZS-9 2.5g TID for 48 hrs followed by QD for 12 days Arm 3: ZS-9 5g TID for 48 hrs followed by QD for 12 days Arm 4: ZS-9 10g TID for 48 hrs followed by QD for 12 days Arm 5: Placebo TID for 48 hrs followed by QD for 12 days <p>Global trial – three countries</p> | <ul style="list-style-type: none"> Primary endpoint: Change in serum potassium levels from baseline | <ul style="list-style-type: none"> FPCD: Q4 2012 LPCD: Q4 2013 Data readout: Q4 2013 Primary endpoint met |
| Phase III NCT02088073 | Hyperkalaemia | 258 | <p>Open-label ZS-9 10g TID for 48 hrs followed by:</p> <ul style="list-style-type: none"> Arm 1: ZS-9 5g QD for 28 days Arm 2: ZS-9 10g QD for 28 days Arm 3: ZS-9 15g QD for 28 days Arm 4: Placebo QD for 28 days <p>Global trial – three countries</p> | <ul style="list-style-type: none"> Primary endpoint: Maintenance of normokalaemia | <ul style="list-style-type: none"> FPCD: Q1 2014 LPCD: Q3 2014 Data readout: Q4 2014 Primary endpoint met |
| Phase III Open-label Extension to Study NCT02088073 NCT02107092 | Participation in trial NCT02088073 | 123 | <ul style="list-style-type: none"> Arm 1: ZS-9 10g QD for 11 months. Option to uptitrate to 15g QD or downtitrate to 5g QD and 5g QOD <p>Global trial – three countries</p> | <ul style="list-style-type: none"> Primary endpoint: Maintenance of normokalaemia | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q3 2015 Data readout: Q3 2015 |
| Phase III NCT02163499 | Hyperkalaemia | 751 | <ul style="list-style-type: none"> Arm 1: ZS-9 5g QD for 12 months. Option to uptitrate to 10 and 15g QD or downtitrate to 5g QOD <p>Global trial – seven countries</p> | <ul style="list-style-type: none"> Primary endpoint: Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q4 2016 Data readout: Q2 2017 Primary endpoint met |
| Phase III NCT02875834 | Hyperkalaemia | 255 | <p>Open-label ZS-9 10g TID for 48 hrs followed by:</p> <ul style="list-style-type: none"> Arm 1: ZS-9 5g QD for 28 days Arm 2: ZS-9 10g QD for 28 days Arm 3: Placebo QD for 28 days <p>Global trial – four countries</p> | <ul style="list-style-type: none"> Primary endpoint: Maintenance of normokalaemia | <ul style="list-style-type: none"> FPCD: Q1 2017 |
| Phase II/III NCT03127644 | Hyperkalaemia | 102 | <ul style="list-style-type: none"> Arm 1: ZS-9 5g TID for 48 hours Arm 2: ZS-9 10g TID for 48 hours Arm 3: Placebo TID for 48 hours <p>Japan</p> | <ul style="list-style-type: none"> Primary endpoint: Exponential rate of change in serum potassium | <ul style="list-style-type: none"> FPCD: Q2 2017 |
| Phase III NCT03172702 | Hyperkalaemia | 150 | <ul style="list-style-type: none"> Arm 1: Open-label ZS 10g TID for up to 72 hrs followed by ZS-9 5g QD for 12 months. Option to uptitrate to 10 and 15g QD or downtitrate to 5g QOD (or 2.5g QD) <p>Japan</p> | <ul style="list-style-type: none"> Primary endpoint: Safety and tolerability as measured by adverse events reporting, vital signs, ECGs, physical examinations and safety laboratory measurements | <ul style="list-style-type: none"> FPCD: Q3 2017 |



Roxadustat (HIF-PHI)

Anaemia

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|--|--|--|
| Phase III ANDES NCT01750190 Partnered | Anaemia in CKD patients not receiving dialysis | 900 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: placebo Global trial | Primary endpoint: Haemoglobin response | <ul style="list-style-type: none"> FPCD: Q4 2012 Data anticipated: 2018 Sponsored by FibroGen |
| Phase III ALPS NCT01887600 Partnered | | 597 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: Placebo Global trial | Primary endpoint: Haemoglobin response | <ul style="list-style-type: none"> FPCD: Q2 2013 Data anticipated: 2018 Sponsored by Astellas |
| Phase III DOLOMITES NCT02021318 Partnered | | 570 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: darbepoetin alfa Global trial | Primary endpoint: Haemoglobin response | <ul style="list-style-type: none"> FPCD: Q1 2014 Data anticipated: 2018 Sponsored by Astellas |
| Phase III OLYMPUS NCT02174627 | | 2,700 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: Placebo Global trial | Primary endpoint: MACE | <ul style="list-style-type: none"> FPCD: Q3 2014 Data anticipated: 2018 Sponsored by AstraZeneca |
| Phase III ROCKIES NCT02174731 | Anaemia in CKD in patients receiving dialysis | 2,100 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: epoetin alfa Global trial | Primary endpoint: MACE | <ul style="list-style-type: none"> FPCD: Q3 2014 Data anticipated: 2018 Sponsored by AstraZeneca |
| Phase III SIERRAS NCT02273726 Partnered | | 820 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: epoetin alfa Global trial | Primary endpoint: Haemoglobin response | <ul style="list-style-type: none"> FPCD: Q4 2014 Data anticipated: 2018 Sponsored by FibroGen |
| Phase III PYRENEES NCT02278341 Partnered-1 | | 838 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: erythropoiesis stimulating agent Arm 3: darbepoetin alfa Global trial | Primary endpoint: Haemoglobin response | <ul style="list-style-type: none"> FPCD: Q4 2014 Data anticipated: 2017 Sponsored by Astellas |

HIF-PHI = Hypoxia-Inducible Factor Prolyl Hydroxylase Inhibitor



Roxadustat (HIF-PHI)

Anaemia

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|--|--|----------|--|--|--|
| Phase III HIMALAYAS NCT02052310 Partnered | Anaemia in newly initiated dialysis patients | 750 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: epoetin alfa <p>Global trial</p> | Primary endpoint: Haemoglobin response | <ul style="list-style-type: none"> FPCD: Q4 2013 Data anticipated: 2018 <p>Sponsored by FibroGen</p> |
| Phase III NCT02652819 Partnered | Anaemia in CKD patients not receiving dialysis | 150 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: placebo <p>China trial</p> | Primary endpoint: Haemoglobin response | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD: Q4 2016 Data readout: Q2 2017 Primary endpoint met <p>Sponsored by FibroGen</p> |
| Phase III NCT02652806 Partnered | Anaemia in CKD patients receiving dialysis | 300 | <ul style="list-style-type: none"> Arm 1: roxadustat Arm 2: epoetin alfa <p>China trial</p> | Primary endpoint: Haemoglobin response | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD: Q2 2016 Data readout: Q2 2017 Primary endpoint met <p>Sponsored by FibroGen</p> |

HIF-PHI = Hypoxia-Inducible Factor Prolyl Hydroxylase Inhibitor



Benralizumab (IL-5R mAb)

Severe, uncontrolled asthma

| Trial | Population | Patients | Design | Endpoints | Status |
|-------------------------------------|--|--------------------|---|---|--|
| Phase III CALIMA NCT01914757 | Severe, uncontrolled asthma, despite background controller medication, medium dose (MD) & high dose (HD) ICS + LABA ± chronic OCS Age 12-75 years | 1,026 HD + ~200 MD | <ul style="list-style-type: none"> • Arm 1: 30mg Q8w SC • Arm 2: 30mg Q4w SC • Arm 3: Placebo SC 56-week trial Global trial – 11 countries | <ul style="list-style-type: none"> • Primary endpoint: Annual asthma exacerbation rate • Secondary endpoints: Assess pulmonary function, asthma symptoms, other asthma control metrics, ER/ED hospitalisation visits, PK, and IM | <ul style="list-style-type: none"> • FPCD: Q4 2013 • Data readout: Q2 2016 • Primary endpoint met |
| Phase III SIROCCO NCT01928771 | Severe, uncontrolled asthma, despite background controller medication HD ICS + LABA ± chronic OCS Age 12-75 years | 1,134 | <ul style="list-style-type: none"> • Arm 1: 30mg Q8w SC • Arm 2: 30mg Q4w SC • Arm 3: Placebo SC 48-week trial Global trial – 17 countries | <ul style="list-style-type: none"> • Primary endpoint: Annual asthma exacerbation rate • Secondary endpoints: Assess pulmonary function, asthma symptoms, other asthma control metrics, ER/ED hospitalisation visits, PK, and IM | <ul style="list-style-type: none"> • FPCD: Q4 2013 • Data readout: Q2 2016 • Primary endpoint met |
| Phase III ZONDA NCT02075255 | Severe, uncontrolled asthma on HD ICS plus long-acting β2 agonist and chronic oral corticosteroid therapy Age 18-75 years | 210 | <ul style="list-style-type: none"> • Arm 1: 30mg Q8w SC • Arm 2: 30mg Q4w SC • Arm 3: Placebo SC 46-week trial Global trial – 12 countries | <ul style="list-style-type: none"> • Primary endpoint: Reduction of oral corticosteroid dose | <ul style="list-style-type: none"> • FPCD: Q3 2014 • Data readout: Q3 2016 • Primary endpoint met |
| Phase III MELTEMI NCT02808819 | A multi-centre, open-label, safety extension trial with benralizumab for asthmatic adults on ICS plus LABA2 Agonist Age 18-75 years | 770 | <ul style="list-style-type: none"> • Arm 1: 30mg Q4W SC • Arm 2: 30mg Q8W SC | <ul style="list-style-type: none"> • Primary endpoint: Safety and tolerability | <ul style="list-style-type: none"> • FPCD: Q2 2016 • Data anticipated: 2019 |
| Phase III ALIZE NCT02814643 | A multi-centre, randomised, double-blind, parallel group, placebo-controlled, Phase IIIb trial to evaluate the potential effect of benralizumab on the humoral immune response to the seasonal influenza vaccination in adolescent and young adult patients with severe asthma Ages 12-21 years | 100 | <ul style="list-style-type: none"> • Arm1 30mg Q4W SC with one dose of seasonal influenza virus vaccine Intramuscular (IM) at week eight • Arm1 Placebo Q4W SC with one dose of seasonal influenza virus vaccine IM at week | Primary endpoints: <ul style="list-style-type: none"> • Post-dose strain-specific haemagglutination-inhibition (HAI) antibody geometric mean fold rises (GMFRs) • Post-dose strain-specific serum HAI antibody geometric mean titers (GMTs) • Proportion of patients who experience a strain-specific post-dose antibody response with antibody response defined as a ≥4-fold rise in HAI antibody titer | <ul style="list-style-type: none"> • FPCD: Q3 2016 • Data anticipated: H2 2017 |

ICS = Inhaled corticosteroids

LABA = Long Acting Beta Agonist



Benralizumab (IL-5R mAb)

Severe, uncontrolled asthma

| Trial | Population | Patients | Design | Endpoints | Status |
|-------------------------------------|--|----------|---|--|--|
| Phase III BISE NCT02322775 | Asthmatic with FEV ₁ (50-90% predicted) on low to medium dose inhaled corticosteroid Age 18-75 years | 200 | <ul style="list-style-type: none"> Arm 1: 30mg Q4W SC Arm 3: Placebo SC 12-week trial Global trial – six countries | <ul style="list-style-type: none"> Primary endpoint: Pulmonary function (FEV₁) | <ul style="list-style-type: none"> FPCD: Q1 2015 Data readout: Q1 2016 Primary endpoint met |
| Phase III BORA NCT02258542 | Severe asthma, inadequately controlled despite background controller medication, MD & HD ICS + LABA ± chronic OCS Age 12-75 years | 2,550 | <ul style="list-style-type: none"> Arm 1: 30mg Q4W SC Arm 2: 30mg Q8W SC* <ul style="list-style-type: none"> Placebo administered at select interim visits to maintain blind between treatment arms 56-week (adults) 108-week (adolescents) Global trial | <ul style="list-style-type: none"> Primary endpoint: Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q4 2014 Data anticipated: 2018 |
| Phase III GREGALE NCT02417961 | Severe asthma, inadequately controlled despite background controller medication, MD & HD ICS + LABA ± chronic OCS Age 18-75 years | 120 | <ul style="list-style-type: none"> Arm 1: 30mg Q4W SC 28-week (adults) Global trial – two countries | <ul style="list-style-type: none"> Primary endpoint: Functionality, reliability, and performance of a pre-filled syringe with benralizumab administered at home | <ul style="list-style-type: none"> FPCD: Q2 2015 Data readout: Q2 2016 Primary endpoint met |
| Phase III ARIA NCT02821416 | A double-blind, randomised, parallel group, placebo-controlled multi-centre trial to evaluate the effect of benralizumab on allergen-induced inflammation in Mild, atopic asthmatic Age 18-65 years | 38 | <ul style="list-style-type: none"> Arm 1 : 30mg Q4W SC Arm 2: Placebo SC | <ul style="list-style-type: none"> Primary endpoint: Safety and tolerability | <ul style="list-style-type: none"> FPCD Q4 2016 Data anticipated: 2019 |

ICS = Inhaled corticosteroids

LABA = Long Acting Beta Agonist



Benralizumab (IL-5R mAb)

Severe, uncontrolled asthma

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|---|---|--|
| Phase III SOLANA NCT02869438 | Severe asthma Age 18-75 years | 230 | <ul style="list-style-type: none"> Arm 1: 30mg Q4W SC Arm 2: Placebo SC 16-week trial Global trial – six countries | <ul style="list-style-type: none"> Primary endpoint: Onset and maintenance of effect on lung function | <ul style="list-style-type: none"> FPCD: Q4 2016 Data anticipated: 2018 |
| Phase III GRECO NCT02918071 | Severe asthma Age 18-75 years | 120 | Open label 30mg Q4w 28-week trial Global trial - two countries | <ul style="list-style-type: none"> Primary endpoint: % of patients/ caregivers who successfully self administer at home | <ul style="list-style-type: none"> FPCD: Q4 2016 Data anticipated: 2018 |
| Phase IIIb ANDHI NCT03170271 | A Multicenter, Randomised, Double-blind, Parallel Group, Placebo Controlled, Phase 3b Study to Evaluate the Safety and Efficacy of Benralizumab 30 mg sc in Patients With Severe Asthma Uncontrolled on Standard of Care Treatment. Age 18-75 | 800 | <ul style="list-style-type: none"> Arm 1: 30mg Q8W SC Arm 2: placebo SC | <ul style="list-style-type: none"> Primary Endpoint: rate of asthma exacerbations Secondary Outcome Measures: Saint George Respiratory Questionnaire (SGRQ) | <ul style="list-style-type: none"> FPCD: Q3 2017 Data anticipated 2019 |
| Phase I AMES NCT02968914 | Healthy Volunteer Age 18-55 years | 162 | Open label study to compare 30 mg benralizumab PK administered by APFS or AI device 8-week study Global trial – two countries | <ul style="list-style-type: none"> Primary endpoint: PK Comparability | <ul style="list-style-type: none"> FPCD: Q1 2017 Data anticipated: H2 2017 |

ICS = Inhaled corticosteroids

LABA = Long Acting Beta Agonist



Benralizumab (IL-5R mAb)

Chronic obstructive pulmonary disease (COPD)

| Trial | Population | Patients | Design | Endpoints | Status |
|---------------------------------------|--|----------|---|---|--|
| Phase III TERRANOVA NCT02155660 | Moderate to very severe COPD with exacerbation history | 2,168 | <ul style="list-style-type: none"> • Arm 1: 10mg Q8W SC • Arm 2: 30mg Q4W SC • Arm 3: 100mg Q8W SC • Arm 4: Placebo SC 48-week trial Global trial – 23 countries | <ul style="list-style-type: none"> • Primary endpoint: Rate of COPD exacerbation | <ul style="list-style-type: none"> • FPCD: Q3 2014 • Data anticipated: H2 2018 |
| Phase III GALATHEA NCT02138916 | Moderate to very severe COPD with exacerbation history | 1,626 | <ul style="list-style-type: none"> • Arm 1: 30mg Q4W SC • Arm 2: 100mg Q8W SC • Arm 3: Placebo SC 48-week trial Global trial – 17 countries | <ul style="list-style-type: none"> • Primary endpoint: Rate of COPD exacerbation | <ul style="list-style-type: none"> • FPCD: Q3 2014 • Data anticipated: H2 2018 |



Tralokinumab (IL-13 mAb)

Severe, uncontrolled asthma

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|--|--|---|
| Phase III STRATOS 1 NCT02161757 | Adults with severe, uncontrolled asthma | 1,207 | Cohort 1: • Arm 1: tralokinumab dose regimen 1, SC • Arm 2: placebo SC Cohort 2: • Arm 1: tralokinumab dose regimen 2, SC • Arm 2: placebo SC 2:1 randomisation in both cohorts Global trial – 14 countries | <ul style="list-style-type: none"> Primary endpoint: Asthma exacerbation rate reduction Secondary endpoint: Effect of tralokinumab on measures of pulmonary function (FEV1), asthma symptoms (Asthma Daily Diary), asthma control (ACQ-6) and asthma related QoL (AQLQ (S) +12) | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: Q1 2016 Data readout: Q2 2017 Primary endpoint not met |
| Phase III STRATOS 2 NCT02194699 | Adults with severe, uncontrolled asthma | 856 | <ul style="list-style-type: none"> Arm 1: tralokinumab SC Arm 2: placebo SC 1:1 randomisation Global trial – 12 countries including Japan | <ul style="list-style-type: none"> Primary endpoint Asthma exacerbation rate reduction Secondary endpoint: Effect of tralokinumab on measures of pulmonary function (FEV1), asthma symptoms (Asthma Daily Diary), asthma control (ACQ-6) and asthma related QoL (AQLQ (S) +12) | <ul style="list-style-type: none"> FPCD: Q4 2014 LPCD: Q1 2016 Data anticipated: H2 2017 |
| Phase III TROPOS NCT02281357 | Adults with oral corticosteroid dependent asthma | 140 | <ul style="list-style-type: none"> Arm 1: tralokinumab SC Arm 2: placebo SC 1:1 randomisation Global trial – seven countries | <ul style="list-style-type: none"> Primary endpoint: % Change in OCS dose Secondary endpoints: <ul style="list-style-type: none"> Proportion of subjects achieving final daily OCS dose ≤5 mg Proportion of subjects achieving ≥50% reduction in OCS dose | <ul style="list-style-type: none"> FPCD: Q1 2015 LPCD: Q3 2016 Data anticipated: H2 2017 |
| Phase II MESOS NCT02449473 | Adults with uncontrolled asthma | 79 | <ul style="list-style-type: none"> Arm 1: tralokinumab SC Arm 2: placebo SC 1:1 randomisation Global trial – three countries | <ul style="list-style-type: none"> Primary endpoints: <ul style="list-style-type: none"> Change in number of airway Sub-mucosal eosinophils Secondary endpoints: <ul style="list-style-type: none"> Change in blood eosinophils levels Change in eosinophil cationic protein as a measure of activated eosinophils in blood and sputum | <ul style="list-style-type: none"> FPCD: Q3 2015 LPCD: Q4 2016 Data anticipated: H2 2017 |



PT010 (LAMA/LABA/ICS)

Chronic obstructive pulmonary disease (COPD) & asthma

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------------------|------------------------------|---|--|--|--|
| Phase III NCT02536508 | Moderate to very severe COPD | 500 | Treatments (52-week Treatment Period) <ul style="list-style-type: none"> BGF MDI 320/14.4/9.6µg GFF MDI 14.4/9.6µg BFF MDI 320/9.6µg <i>Symbicort Turbuhaler</i> 400/1 µg Randomised, double-blind, chronic-dosing, multi-centre Country – US | Primary endpoints: <ul style="list-style-type: none"> Bone Mineral Density sub-study Endpoint. Change from baseline in BMD of the lumbar spine measured using DXA scans of L1-L4 at week 52 Ocular Sub-study Safety Endpoint Change from baseline in LOCS III at week 52. | <ul style="list-style-type: none"> FPCD: Q3 2015 LPD: Q3 2016 Data anticipated: H2 2017 |
| Phase III NCT02465567 | Moderate to very severe COPD | 8,000 (possible increase by 4,000 after blinded sample size re-assessment) | Treatments (1-year Treatment Period) <ul style="list-style-type: none"> BGF MDI 320/14.4/9.6µg BID BGF MDI 160/14.4/9.6µg BID BFF MDI 320/9.6µg BID GFF MDI 14.4/9.6µg BID Randomised, double-blind, multi-centre and parallel-group Multi-country | <ul style="list-style-type: none"> Primary endpoint: Rate of moderate or severe COPD exacerbations Secondary endpoint: Time to first moderate or severe COPD exacerbation | <ul style="list-style-type: none"> FPCD: Q3 2015 Data anticipated: 2019 |
| Phase III KRONOS NCT02497001 | Moderate to very severe COPD | 1,800 | Treatments (24-week Treatment Period) <ul style="list-style-type: none"> BGF MDI 320/14.4/9.6µg GFF MDI 14.4/9.6µg BFF MDI 320/9.6µg <i>Symbicort Turbuhaler</i> 400/12µg Randomised, double-blind, parallel-group, and chronic dosing and multi-centre Multi-country | Primary Endpoints: <ul style="list-style-type: none"> FEV₁ area under curve from 0 to 4 hours (AUC₀₋₄) over 24 weeks (BGF MDI vs BFF MDI and BGF MDI vs <i>Symbicort Turbuhaler</i>) Change from baseline in morning pre-dose trough FEV₁ over 24 weeks (BGF MDI vs GFF MDI) Transition dyspnoea index (TDI) focal score over 24 weeks (BGF MDI vs BFF MDI and BGF MDI vs GFF MDI) | <ul style="list-style-type: none"> FPCD: Q3 2015 Data anticipated: 2018 |



PT010 (LAMA/LABA/ICS)

Chronic obstructive pulmonary disease (COPD) & asthma

| Trial | Population | Patients | Design | Endpoints | Status |
|-------------------------|--|----------|--|--|---|
| Phase II NCT02105012 | Adult mild to moderate persistent asthma | 150 | <ul style="list-style-type: none"> • Arm 1: BD MDI 320µg BiD • Arm 2: BD MDI 160µg BiD • Arm 3: BD MDI 80µg BiD • Arm 4: BD MDI 40µg BiD • Arm 5: Placebo MDI BiD <p>Randomised, four-period, five-treatment incomplete-block and cross-over</p> <p>US</p> | <ul style="list-style-type: none"> • Change from baseline in morning pre-dose trough forced expiratory volume in one second (FEV₁) • Mean evening pre-dose peak flow rate (PEFR) • Mean number of puffs of rescue Ventolin hydrofluoroalkane (HFA) • Asthma Control Questionnaire score | <ul style="list-style-type: none"> • FPCD: Q2 2014 • LPCD: Q1 2015 • Data readout: Q3 2015 |
| Phase II NCT02433834 | Intermittent asthma/mild to moderate persistent asthma | 200 | <p>Treatment (18-week Treatment Period)</p> <ul style="list-style-type: none"> • GP MDI 28.8µg BiD • GP MDI 14.4µg BiD • GP MDI 7.2µ BiD • GP MDI 3.6µ BiD • Severent® Diskus® 50µ BiD • Placebo MDI <p>Randomised, double-blind, chronic-dosing, placebo controlled, incomplete block, cross-over, multi-centre, dose-ranging trial</p> | <ul style="list-style-type: none"> • Peak change from baseline in FEV₁ within three hours post-dosing on Day 15 | <ul style="list-style-type: none"> • FPCD: Q2 2015 • LPCD: Q4 2015 • Data readout: Q2 2016 |



PT010 (LAMA/LABA/ICS)

Chronic obstructive pulmonary disease (COPD) & asthma

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---------------------------|----------|---|--|---|
| Phase I NCT02189304 | Healthy subjects | 60 | <ul style="list-style-type: none"> • Arm 1: BGF MDI 320/14.4/9.6µg • Arm 2: BFF MDI 320/9.6µg • Arm 3: <i>Symbicort Turbuhaler</i> 400/12µg Randomised, double-blind, single-dose, three-period, three-treatment and cross-over US | <ul style="list-style-type: none"> • Overall safety • PK parameters AUC₀₋₁₂ and C_{max} | <ul style="list-style-type: none"> • FPCD: Q3 2014 • LPCD: Q3 2014 • Data readout: Q4 2014 |
| Phase I NCT02197975 | Japanese healthy subjects | 28 | Treatment (2-week Treatment Period) <ul style="list-style-type: none"> • Arm 1: BGF MDI 320/14.4/9.6µg • Arm 2: BGF MDI 160/14.4/9.6µg • Arm 3: Placebo MDI Randomised, double-blind, placebo-controlled, 2-period, ascending-dose and cross-over Japan | <ul style="list-style-type: none"> • Overall safety • PK parameters AUC₀₋₁₂ and C_{max} | <ul style="list-style-type: none"> • FPCD: Q3 2014 • LPCD: Q3 2014 • Data readout: Q4 2014 |
| Phase I NCT02196714 | Japanese healthy subjects | 24 | Treatment (four-day Treatment Period) <ul style="list-style-type: none"> • Arm 1: GFF MDI 14.4/9.6µg • Arm 2: GFF MDI 28.8/9.6µg • Arm 2: GP MDI 14.4µg • Arm 2: GP MDI 28.8µg Randomised, double-blind, single-dose, four-period, four-treatment and cross-over Japan | <ul style="list-style-type: none"> • Overall safety • PK parameters AUC₀₋₁₂ and C_{max} | <ul style="list-style-type: none"> • FPCD: Q3 2014 • LPCD: Q3 2014 • Data readout: Q4 2014 |

LAMA = Long Acting Muscarinic Agonist

LABA = Long Acting Beta Agonist

ICS = Inhaled corticosteroids



Anifrolumab (type I IFN receptor mAb)

Systemic lupus erythematosus (SLE) / Lupus nephritis (LN)

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------|---------------------------------------|----------|---|---|---|
| Phase III NCT02446912 | Moderate to severe SLE TULIP SLE 1 | 450 | <ul style="list-style-type: none"> • Arm 1: 300mg IV anifrolumab Q4W for 48 weeks • Arm 2: 150mg IV anifrolumab Q4W for 48 weeks • Arm 3: Placebo IV Q4W for 48 weeks | <ul style="list-style-type: none"> • Primary endpoint: Response in SLE responder index at week 52 | <ul style="list-style-type: none"> • FPCD: Q3 2015 • Data anticipated: H2 2018 |
| Phase III NCT02446899 | Moderate to severe SLE TULIP SLE 2 | 360 | <ul style="list-style-type: none"> • Arm 1: 300mg IV anifrolumab Q4W for 48 weeks • Arm 2: Placebo IV Q4W for 48 weeks | <ul style="list-style-type: none"> • Primary endpoint: Response in SLE responder index at week 52 | <ul style="list-style-type: none"> • FPCD: Q3 2015 • Data anticipated: H2 2018 |
| Phase II NCT01438489 | Moderate to severe SLE patients | 307 | <ul style="list-style-type: none"> • Arm 1: 300mg IV anifrolumab Q4W for 48 weeks • Arm 2: 1000mg IV anifrolumab Q4W for 48 weeks • Arm 3: Placebo IV Q4W for 48 weeks | <ul style="list-style-type: none"> • Primary endpoint: Response in SLE responder index at 6 months | <ul style="list-style-type: none"> • FPCD: Q1 2012 • LPCD: Q1 2015 • Data readout: Q3 2014 |
| Phase II NCT01753193 | Moderate to severe SLE patients | 218 | <ul style="list-style-type: none"> • Arm 1: anifrolumab, IV Q4W for 104 weeks | <ul style="list-style-type: none"> • Primary endpoint: Open-label extension to evaluate long-term safety and tolerability | <ul style="list-style-type: none"> • FPCD: Q1 2013 • Data anticipated: H2 2018 |
| Phase II NCT01559090 | Japanese SLE patients | 17 | Open-label, dose escalation trial: <ul style="list-style-type: none"> • Arm 1: 100mg IV Q4W for 48 weeks then 300mg IV Q4W for 104 weeks • Arm 2: 300mg IV Q4W for 48 weeks then 300mg IV Q4W for 104 weeks • Arm 3: 1000mg IV Q4W for 48 weeks then 1000mg IV Q4W for 104 weeks | <ul style="list-style-type: none"> • Safety, tolerability, PK/PD | <ul style="list-style-type: none"> • FPCD: Q1 2012 • Data readout: Q1 2015 |
| Phase I NCT02601625 | Healthy subjects | 30 | <ul style="list-style-type: none"> • Arm 1: 300mg SC single dose • Arm 2: 300mg IV single dose • Arm 3: 600 mg SC single dose | <ul style="list-style-type: none"> • Safety, tolerability, PK/PD | <ul style="list-style-type: none"> • FPCD: Q4 2015 • LPCD: H1 2016 • Data readout: Q3 2016 |
| Phase II NCT02962960 | Moderate to severe SLE patients | 32 | <ul style="list-style-type: none"> • Arm 1: 150mg SC every other week • Arm 2: 300mg SC every other week • Arm 3: Placebo SC every other week | <ul style="list-style-type: none"> • PK/PD, Safety, tolerability, Primary analysis at week 12, Secondary analysis at week 52 | <ul style="list-style-type: none"> • FPCD: Q1 2017 • Data anticipated: H1 2018 |
| Phase II NCT02547922 | Active Proliferative LN (TULIP-LN1) | 150 | <ul style="list-style-type: none"> • Arm 1: 900 mg IV Q4W for 12 weeks then 300mg IV anifrolumab Q4W for 36 weeks • Arm 2: 300 mg IV anifrolumab Q4W for 48 weeks • Arm 3: Placebo IV Q4W for 48 weeks | <ul style="list-style-type: none"> • Response in proteinuria at week 52 | <ul style="list-style-type: none"> • FPCD: Q4 2015 • Data anticipated: 2019 |



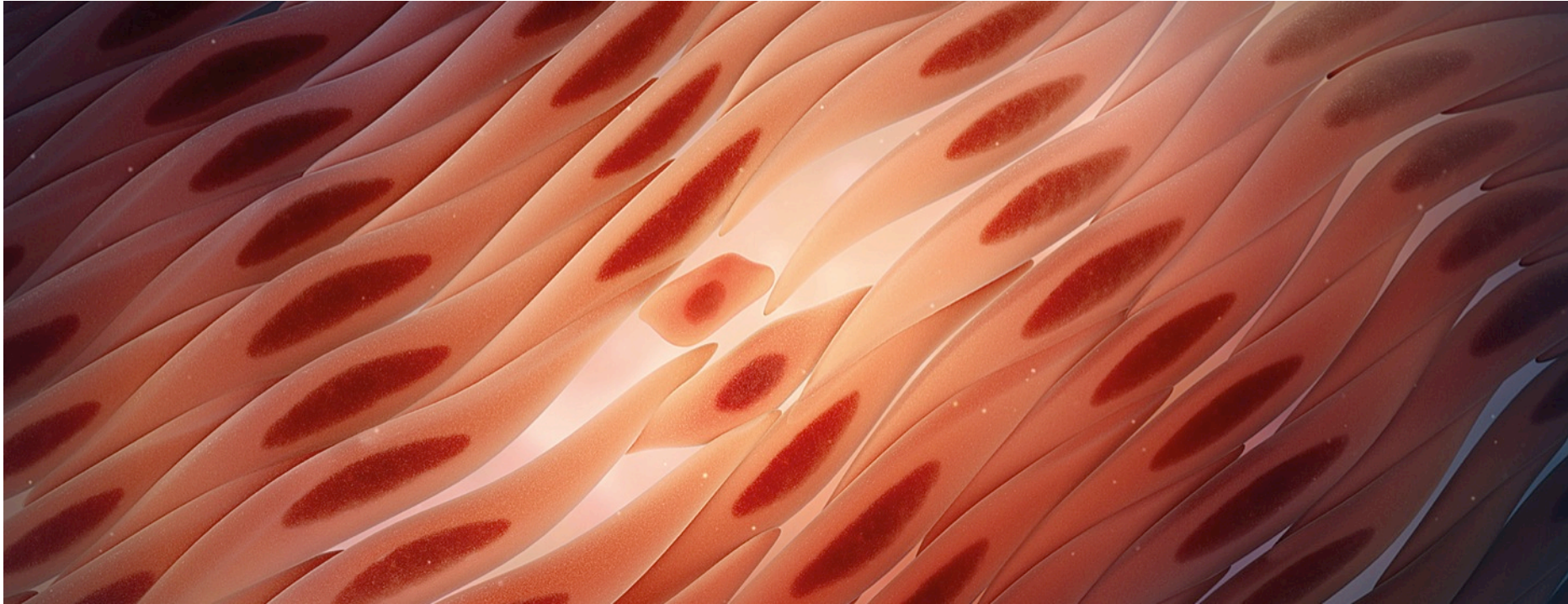
Lanabecestat (BACE inhibitor)

Alzheimer's disease

| Trial | Population | Patients | Design | Endpoints | Status |
|---|------------------------------------|----------|---|--|--|
| Phase III AMARANTH NCT02245737 | Early Alzheimer's disease patients | 2,216 | <ul style="list-style-type: none"> • Arm 1: lanabecestat 20mg once daily • Arm 2: lanabecestat 50mg once daily • Arm 3: Placebo once daily 24-month treatment duration Global trial – 14 countries | <ul style="list-style-type: none"> • Primary endpoint: Changes in cognitive (ADAS-Cog 13) scale Secondary endpoints: <ul style="list-style-type: none"> • Changes in other cognitive and functional (ADCS-ADL) scales • Changes in composite scales (CDR-SB) • Changes in biomarkers and imaging assays • Safety and tolerability | <ul style="list-style-type: none"> • FPCD: Q4 2014 • LPCD: Q3 2017 • Data anticipated: 2019 |
| Phase III AMARANTH - EXTENSION NCT02972658 Partnered | Early Alzheimer's disease patients | 1400 | <ul style="list-style-type: none"> • lanabecestat 20mg or 50mg once daily 12-month delayed start treatment extension Global trial – 14 countries | <ul style="list-style-type: none"> • Primary endpoint: Delayed start analysis | <ul style="list-style-type: none"> • FPCD: Q1 2017 • Data anticipated: 2020 |
| Phase III DAYBREAK-ALZ NCT02783573 | Mild Alzheimer's disease patients | 1,899 | <ul style="list-style-type: none"> • Arm 1: lanabecestat 20 mg once daily • Arm 2: lanabecestat 50 mg once daily • Arm 3: placebo once daily 18-month treatment duration + 18-month delayed start extension Global trial – 18 countries | <ul style="list-style-type: none"> • Primary endpoint: Changes in cognitive (ADAS-Cog 13) scale Secondary endpoints: <ul style="list-style-type: none"> • Changes in cognitive and functional (ADCS-ADL) scales • Changes in composite scales (CDR-SB) • Changes in biomarkers and imaging assays • Safety and tolerability | <ul style="list-style-type: none"> • FPCD: Q3 2016 • Data anticipated: 2019 |



Early development - IMED (AstraZeneca Research and Early Development)



AZD0156 (ATM)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---------------|----------|--|---|--|
| Phase I NCT02588105 | Solid tumours | 130 | <ul style="list-style-type: none">• Arm 1: AZD0156 + <i>Lynparza</i>• Arm 2: AZD0156 + irinotecan <p>Trial conducted in North America, Europe and South Korea</p> | <ul style="list-style-type: none">• Safety, tolerability, PK and efficacy | <ul style="list-style-type: none">• FPCD: Q4 2015• Data anticipated: 2018 |



AZD1775 (WEE-1)

Ovarian cancer, triple-negative breast cancer, small cell lung cancer (SCLC)

| Trial | Population | Patients | Design | Endpoints | Status |
|---------------------------|--|----------|---|--|--|
| Phase II NCT02272790 | Platinum-resistant (PR) ovarian cancer | 97 | <ul style="list-style-type: none"> Arm B: paclitaxel + AZD1775 Arm C: carboplatin + AZD1775 <p>Global trial</p> | <ul style="list-style-type: none"> Primary endpoint: ORR Secondary endpoints: Duration of Response (DOR), PFS, OS, Disease Control Rate, safety and tolerability | <ul style="list-style-type: none"> FPCD: Q1 2015 |
| Phase I/II NCT02482311 | Advanced solid tumours | 97 | <ul style="list-style-type: none"> Monotherapy Safety Run-in (part A, N=12); solid tumours Expansions into specific tumour types, inc. ovarian cancer (BRCAm PARP failures and BRCAwt with three or more prior lines of treatment), triple negative breast cancer (TNBC) and SCLC <p>Conducted in US, Canada</p> | <ul style="list-style-type: none"> Safety and tolerability Secondary endpoints: Overall response rate, DCR, DoR, PFS | <ul style="list-style-type: none"> FPCD: Q3 2015 |
| Phase I NCT02610075 | Advanced solid tumours | 78 | <ul style="list-style-type: none"> Monotherapy Dose escalation trial to determine MTD <p>Conducted in US</p> | <ul style="list-style-type: none"> Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q4 2015 |
| Phase I NCT02511795 | Advanced solid tumours | 102 | <ul style="list-style-type: none"> Dose escalation trial to determine MTD (AZD1775 + <i>Lynparza</i>) followed by expansions into specific tumour types, inc ovarian cancer, triple negative breast cancer (TNBC) and small cell lung cancer (SCLC) <p>Conducted in US, Canada</p> | <ul style="list-style-type: none"> Safety and tolerability Secondary endpoints: Overall response rate, Disease Control Rate, Duration of Response, PFS | <ul style="list-style-type: none"> FPCD: Q3 2015 |
| Phase I NCT02617277 | Advanced solid tumours | 55 | <ul style="list-style-type: none"> Dose escalation trial to determine MTD (AZD1775 + <i>Imfinzi</i>) <p>Conducted in US</p> | <ul style="list-style-type: none"> Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q4 2015 |
| Phase I NCT02341456 | Advanced solid tumours | 19 | <ul style="list-style-type: none"> Dose escalation trial to determine MTD (AZD1775 + carboplatin + paclitaxel: AZD1775 + Carbo) <p>Conducted in Australia, Japan and Republic of Korea</p> | <ul style="list-style-type: none"> Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q1 2015 LPCD: Q2 2016 Data readout Q1 2017 |



Vistusertib (AZD2014) (TORC 1/2)

Breast and squamous non-small cell lung cancer (NSCLC)

| Trial | Population | Patients | Design | Endpoints | Status |
|---|---|----------|---|---|--|
| Phase II MANTA NCT02216786 Partnered | 2L oestrogen-receptor positive (ER+) metastatic breast cancer | 316 | <ul style="list-style-type: none"> Arm 1: <i>Faslodex</i> Arm 2: <i>Faslodex</i> + vistusertib 50mg BD continuous dosing Arm 3: <i>Faslodex</i> + vistusertib 125mg BD two days on, 5 off Arm 4: <i>Faslodex</i> + everolimus Multicentre: European sites | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoint: OS | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: H2 2016 Data anticipated: 2018 |
| Phase I NCT02398747 | Japanese Patients with Advanced Solid Malignancies | 18 | Open label Monotherapy and combination with paclitaxel cohorts | <ul style="list-style-type: none"> Safety and tolerability of AZD2014 monotherapy and in combination with paclitaxel PK | <ul style="list-style-type: none"> FPCD: Q2 2015 Data anticipated: Q4 2017 |
| Phase I/II PASTOR NCT02599714 | Postmenopausal women with locally advanced/metastatic oestrogen receptor positive (ER+) breast cancer | 225 | Part A – Phase I triplet dose finding to determine the maximum tolerated dose (MTD) of the triplet (vistusertib + palbociclib + fulvestrant) Part B – Phase I single arm expansions (vistusertib + palbociclib + <i>Faslodex</i>) Part C – randomised, double-blind, placebo-controlled, stratified, parallel group extension at RP2D for triplet combination (vistusertib + palbociclib + <i>Faslodex</i> vs matching vistusertib placebo + palbociclib + <i>Faslodex</i>) | Primary endpoints: <ul style="list-style-type: none"> Part A: Safety and tolerability of the triplet. MTD and recommended dose for Parts B and C Part B: Safety and tolerability Part C: PFS Secondary endpoints: Best Objective Response Rate (BOR) and Objective Response Rate (ORR) | <ul style="list-style-type: none"> FPCD: Q1 2016 Data anticipated: 2019 |



AZD2811 (AURN)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---------------|----------|---|---|--|
| Phase I NCT02579226 | Solid tumours | 72 | <ul style="list-style-type: none">• Arm 1: AZD2811 dose escalation• Arm 2: AZD2811 dose expansion AZD2811 + irinotecan <p>Trial conducted in North America</p> | <ul style="list-style-type: none">• Safety and tolerability• Pharmacokinetics and efficacy | <ul style="list-style-type: none">• FPCD: Q4 2015• Data anticipated: 2019 |



AZD4547 (FGFR)

Cancer

Approved medicines
Late-stage development
Early development - IMED
Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------------------|---|----------|---|---|---|
| Phase II GLOW NCT01202591 | Female ER+ breast cancer patients whose disease has progressed following treatment with one prior endocrine therapy | 40 | <ul style="list-style-type: none"> Part A: AZD4547 in ascending multiple doses in combination with 25mg exemestane Part B: <ul style="list-style-type: none"> Arm 1: AZD4547 (dose from part A) + <i>Faslodex</i> Arm 2: placebo + <i>Faslodex</i> Patients with FGFR1 polysomy (30 patients) or FGFR1 amplification (60 patients) Conducted in eight countries in Europe | <ul style="list-style-type: none"> Part A: MTD of AZD4547 in combination with 25mg exemestane in three schedules of AZD4547 Part B Interim analysis: Tumour size analysis on 30 FGFR amplified patients Part B Final analysis: PFS | <ul style="list-style-type: none"> FPCD: Q4 2010 LPCD: Q1 2014 Data readout: Q3 2014 |
| Phase II SHINE NCT01457846 | Advanced gastro-oesophageal cancer | 71 | <ul style="list-style-type: none"> Arm 1 (FGFR2 polysomy): AZD4547 vs paclitaxel randomised 1:1 (30 to 80 patients) Arm 2 (FGFR 2 low gene amplification: AZD4547 vs paclitaxel randomised 3:2 (25 to 80 patients) Arm 3 (FGFR2 high gene amplification: AZD4547 vs paclitaxel randomised 3:2 (25 to 80 patients) Conducted in 16 countries across Europe and Asia | <ul style="list-style-type: none"> Primary endpoint: PFS Secondary endpoint: OS/Tumour size | <ul style="list-style-type: none"> FPCD: Q4 2011 LPCD: Q2 2013 Data readout: Q1 2015 |
| Phase I NCT01213160 | Advanced cancer who have failed standard therapy or for whom no standard therapy exists | 33 | <ul style="list-style-type: none"> Part A: AZD4547 in ascending multiple doses given bd and od (c. 30 patients) Part B: AZD4547 in patients whose tumours have FGFR amplification (c. eight patients) Conducted in Japan | <ul style="list-style-type: none"> Part A: MTD and Recommended dose for Parts B and C Part B: Safety and tolerability and preliminary anti-tumour activity | <ul style="list-style-type: none"> FPCD: Q4 2010 LPCD: Q4 2012 Data readout: Q2 2013 |
| Phase I NCT00979134 | Advanced cancer who have failed standard therapy or for whom no standard therapy exists | 94 | <ul style="list-style-type: none"> Part A: Ascending oral doses of AZD4547 to define maximum tolerated dose (MTD) and /or continuous, tolerable recommended dose (RD) Part B: Dose expansion phase at RD defined in Part A Part C: Expansion phase in patients with FGFR1 and FGFR2 amplified tumours at the RD defined from Part A Conducted in seven countries across North America and Europe | <ul style="list-style-type: none"> Part A: MTD and recommended dose for Parts B and C Part B and C: Safety and tolerability, PK and preliminary anti-tumour activity | <ul style="list-style-type: none"> FPCD: Q4 2009 LPCD: Q4 2013 Data readout: Q1 2015 |
| Phase I BISCA NCT02546661 | 2L Muscle-invasive metastatic bladder cancer in patients who have failed prior therapy | 110 | <ul style="list-style-type: none"> Multi-drug biomarker-directed trial Arm 1: AZD4547 Arm 2: AZD4547 + <i>Imfinzi</i> Arm 3: <i>Lynparza</i> + <i>Imfinzi</i> Arm 4: AZD1775 + <i>Imfinzi</i> Arm 5: <i>Imfinzi</i> Arm 6: <i>vistusertib</i> + <i>Imfinzi</i> Planned in North America and Europe | <ul style="list-style-type: none"> Safety and tolerability of the combinations PK and preliminary anti-tumour activity | <ul style="list-style-type: none"> FPCD: Q4 2016 Data anticipated: 2018 |



AZD4573 (CDK9)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---|----------|--|---|--|
| Phase I NCT03263637 | Relapsed/refractory haematologic malignancies | 42 | Dose Escalation in relapsed/refractory haematological malignancies AZD4573 will be administered 2 parallel arms of (1-6 cohorts of dose escalations) based on the haematological malignancy | <ul style="list-style-type: none">Primary-Safety/PK; secondary-efficacy trial | <ul style="list-style-type: none">FPCD: Q4 2017Data anticipated: 2019 |

* clinicaltrials.gov being updated



AZD4635 (A_{2A}R)

Cancer

Approved medicines
 Late-stage development
Early development - IMED
 Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---|--------------------------|--|---|---|
| Phase I NCT02740985 | Phase Ia: patients with advanced solid tumours Phase Ib: patients with advanced NSCLC who have previously received anti-PD-1 therapy, but either failed to respond or stopped responding after an initial response | 36 (estimated) 15 | <ul style="list-style-type: none"> Phase 1a: dose escalation to determine the Maximum Tolerated Dose (MTD) of AZD4635 given as monotherapy and in combination with <i>Imfinzi</i>. When the combination MTD is determined, additional patients with advanced solid malignancies will be enrolled to a dose expansion cohort to explore further the safety, tolerability, pharmacokinetics (PK), and biological activity Phase 1b will consist of an additional expansion phase in NSCLC at the combination MTD or maximum feasible dose <p>Both parts conducted at sites in the US</p> | <p>Primary Outcome Measure: Safety and tolerability</p> <p>Secondary Outcome Measures:</p> <ul style="list-style-type: none"> PK of AZD4635 as monotherapy and combination with <i>Imfinzi</i> Preliminary assessment of anti-tumour activity | <ul style="list-style-type: none"> FPCD: Q2 2016 Data anticipated: 2018 |



AZD4785 (KRAS antisense oligonucleotide)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------------------|--|--------------------------|--|---|--|
| Phase I NCT03101839 | Phase Ia: patients with advanced solid tumours which harbour mutations of KRAS. Phase Ib: patients with advanced NSCLC with tumours harbouring mutations of KRAS. | 30 (estimated) 20 | <ul style="list-style-type: none">Phase Ia: dose escalation to determine the Maximum Tolerated Dose (MTD) of AZD4785 given as monotherapy. When the MTD is determined, additional patients with advanced solid malignancies may be enrolled to explore further the safety, tolerability, pharmacokinetics (PK), and biological activityPhase Ib will consist of an expansion phase in patients with KRASm NSCLC at the MTD or maximum feasible dose. To be conducted at sites in the USA and UK | Primary Outcome Measure: Safety and tolerability Secondary Outcome Measures: <ul style="list-style-type: none">Pharmacokinetics of AZD4785Change in KRAS mRNA from baselineObjective clinical response | <ul style="list-style-type: none">FPCD: Q2 2017Data anticipated: 2019 |



AZD5069 (CXCR2)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|----------------------------|--|----------|---|---|---|
| Phase Ib/II NCT02499328 | Squamous Cell Carcinoma of the Head & Neck (HNSCC) | 405 | Dose Escalation advanced solid and blood cancers <ul style="list-style-type: none"> • Arm A1: AZD9150/<i>Imfinzi</i> • Arm A2 : AZD5069/<i>Imfinzi</i> • Arm A4: AZD9150/<i>Imfinzi</i>/treme • Arm A5: AZD5069/<i>Imfinzi</i>/treme Dose Expansion 2L HNSCC: <ul style="list-style-type: none"> • Arm B1: AZD9150 • Arm B2: AZD5069 • Arm B3: AZD9150/<i>Imfinzi</i> • Arm B4: AZD5069/<i>Imfinzi</i> • Arm B5: AZD9150 Mono • Arm B6: AZD5069 Mono • Arm B7: AZD9150/<i>Imfinzi</i> (1L HNSCC) | <ul style="list-style-type: none"> • Safety/Efficacy trial | <ul style="list-style-type: none"> • FPCD: Q3 2015 • Data anticipated: 2019 |
| Phase Ib/II NCT02583477 | Metastatic Pancreatic Ductal Carcinoma | 16 | Dose escalation and expansion Arms: <i>Imfinzi</i> in combination with nab-paclitaxel and gemcitabine <i>Imfinzi</i> in combination with AZD5069 | <ul style="list-style-type: none"> • Safety/Efficacy trial | <ul style="list-style-type: none"> • FPCD: Q1 2016 • Data anticipated: 2018 |

* clinicaltrials.gov being updated



AZD5153 (BRD4)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|----------------------------|--|----------|--|--|--|
| Phase I/IIb NCT03205176 | Relapsed/refractory solid tumours, lymphomas | 54 | Dose Escalation advanced solid and lymphomas 6 dose escalation cohorts of AZD5153 Dose and schedule from dose escalation will be applied in dose expansion Phase in platinum-resistant or platinum-refractory high grade serous (HGS) ovarian cancer | <ul style="list-style-type: none">Primary-Safety/ secondary-Efficacy trial | <ul style="list-style-type: none">FPCD: Q2 2017Data anticipated: 2019 |

* clinicaltrials.gov being updated



AZD5363 (AKT)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------|---|-----------------------------|--|--|--|
| Phase IIb NCT01625286 | ER+ breast cancer receiving 1 st treatment with paclitaxel in the advanced setting | 100 | <ul style="list-style-type: none"> Arm 1: AZD5363 + paclitaxel Arm 2: AZD5363 placebo + paclitaxel <p>Two strata (50 points per stratum): PIK3CA mutation positive vs Mutation not detected</p> | <ul style="list-style-type: none"> PFS ORR & OS are secondary endpoints | <ul style="list-style-type: none"> FPCD: Q1 2014 Data anticipated: Q4 2017 |
| Phase I NCT01226316 | Breast and gynaecological cancers with PIK pathway mutation | 12-24 per arm (Parts E & F) | <p>AZD5363 400mg BD 4 days on 3 days off combined with 500mg fulvestrant [initially 12 patients per arm with option to expand to 24 patients in one or more arms]</p> <ul style="list-style-type: none"> Part E arm 1: ER+ Breast with AKT-1 mutation (prior <i>Faslodex</i> resistance) Part E arm 2: ER+ Breast with AKT-1 mutation (first exposure to <i>Faslodex</i>) Part F arm 1: ER+ Breast with PTEN mutation (prior <i>Faslodex</i> resistance) Part F arm 2: ER+ Breast with PTEN mutation (first exposure to <i>Faslodex</i>) | <ul style="list-style-type: none"> Safety and tolerability ORR Clinical Benefit Rate at 24 weeks (CBR24) [Parts E & F only] | <ul style="list-style-type: none"> Data anticipated: Q4 2017 |



AZD5991 (MCL1)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---|----------|--|--|--|
| Phase I NCT03218683 | Relapsed/refractory haematologic malignancies | 30 | Dose Escalation in relapsed/refractory haematological malignancies 5 dose escalation cohorts of AZD5991 | <ul style="list-style-type: none">Primary-Safety/ secondary-Efficacy trial | <ul style="list-style-type: none">FPCD: Q3 2017Data anticipated: 2019 |

* clinicaltrials.gov being updated



AZD6738 (ATR)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---------------|----------|--|---|---|
| Phase I NCT02264678 | Solid tumours | 160 | <ul style="list-style-type: none">• Arm 1: AZD6738 + carboplatin• Arm 2: AZD6738 dose escalation, AZD6738 + <i>Lynparza</i>• Arm 3: AZD6738 + <i>Imfinzi</i> <p>Trial conducted in North America, Europe and South Korea</p> | <ul style="list-style-type: none">• Safety and tolerability• PK and efficacy | <ul style="list-style-type: none">• FPCD: Q4 2014• Data anticipated: Q4 2017 |



AZD8186 (PI3Kb/d)

Cancer

Approved medicines
Late-stage development
Early development - IMED
Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---|----------|---|---|---|
| Phase I NCT01884285 | Advanced Castrate Resistant Prostate Cancer /sqNSCLC /TNBC and patients with known PTEN-deficient/ mutated or PIK3CM mutated/ amplified advanced solid malignancies | 153 | <ul style="list-style-type: none"> Part A: AZD8186 monotherapy in ascending intermittent doses in 3 schedules Part B: AZD8186 monotherapy at recommended dose and schedule(s) from Part A in PTEN deficient patients with advanced cancer Part C: Combination AZD8186 added to abiraterone acetate (with prednisone) in PTEN deficient metastatic castrate resistant prostate cancer (mCRPC) patients. Initial dose/ schedule confirmation phase using AZD8186 monotherapy recommended dose/ schedule from Part A and the labelled dose of abiraterone followed by an expansion cohort to explore clinical activity Part D: Combination AZD8186 and AZD2014 (a novel dual mTORC ½ inhibitor). Initial dose/ schedule determination phase in same patient population as Part A followed by an expansion cohort in PTEN deficient TNBC patients to explore clinical activity <p>Trial conducted in Canada, US, Spain & UK</p> | <ul style="list-style-type: none"> Part A: PK, MTD and Recommended dose and schedule(s) for Part B Part B: Safety, tolerability and preliminary assessment of anti-tumour activity (POM) Part C: PK, safety, tolerability and recommended dose/ schedule of AZD8186 in combination with abiraterone. Preliminary assessment of anti-tumour activity of AZD8186 in combination with abiraterone Part D: PK, safety, tolerability and recommended dose and schedule of AZD8186 in combination with AZD2014. Preliminary assessment of anti-tumour activity of AZD8186 in combination with AZD2014 | <ul style="list-style-type: none"> FPCD: Q2 2013 Data anticipated: 2018 |



AZD9150 (STAT3)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|----------------------------|--|----------|---|---|---|
| Phase Ib/II NCT02499328 | Squamous Cell Carcinoma of the Head & Neck (HNSCC) | 405 | Dose Escalation advanced solid and blood cancers <ul style="list-style-type: none"> • Arm A1: AZD9150/<i>Imfinzi</i> • Arm A2 : AZD5069/<i>Imfinzi</i> • Arm A4: AZD9150/<i>Imfinzi</i>/treme • Arm A5: AZD5069/<i>Imfinzi</i>/treme Dose Expansion 2L HNSCC: <ul style="list-style-type: none"> • Arm B1: AZD9150 • Arm B2: AZD5069 • Arm B3: AZD9150/<i>Imfinzi</i> • Arm B4: AZD5069/<i>Imfinzi</i> • Arm B5: AZD9150 Mono • Arm B6: AZD5069 Mono • Arm B7: AZD9150/<i>Imfinzi</i> (1L HNSCC) | <ul style="list-style-type: none"> • Safety/Efficacy trial | <ul style="list-style-type: none"> • FPCD: Q3 2015 • Data anticipated: 2019 |
| Phase Ib/II NCT02549651 | Diffuse Large B-cell Lymphoma | 190 | Dose escalation and expansion Arms: <ul style="list-style-type: none"> • Experimental Arm: <i>Imfinzi</i> monotherapy • Experimental Arm: <i>Imfinzi</i> and tremelimumab • Experimental Arm: <i>Imfinzi</i> and AZD9150 | <ul style="list-style-type: none"> • Safety/Efficacy trial | <ul style="list-style-type: none"> • FPCD: Q3 2016 • Data anticipated: 2021 |

* clinicaltrials.gov being updated



AZD9496 (SERD)

Breast cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|-------------------|----------|---|--|---|
| Phase I NCT03236974 | ER+ Breast Cancer | ~50 | <ul style="list-style-type: none"> This is an open label randomised multicentre pre-surgical pharmacodynamics study to compare and assess the biological effects of AZD9496 and <i>Faslodex</i> in postmenopausal women with oestrogen receptor positive (ER+), human epidermal growth factor receptor 2 negative (HER2-) primary breast cancer. Patients will receive AZD9496 or <i>Faslodex</i> and will have a pre-dose and an on-treatment core biopsy after 5-14 days of commencing treatment. | <ul style="list-style-type: none"> Primary Outcome Measures: Pharmacodynamics changes to estrogen receptor (ER) expression following treatment with AZD9496 or <i>Faslodex</i> Secondary Outcome Measures: Pharmacodynamics changes to Ki67 and progesterone receptor (PgR) expression following treatment with AZD9496 or <i>Faslodex</i> | <ul style="list-style-type: none"> FPCD: Q4 2017 LPCD: Q4 2018 Data readout: Q2 2019 |
| Phase I NCT02248090 | ER+ Breast Cancer | ~50 | <ul style="list-style-type: none"> This is a Phase I open label multicentre trial of AZD9496 administered orally in patients with advanced ER+ HER2 negative breast cancer. The trial design allows an escalation of dose with intensive safety monitoring to ensure the safety of patients. The trial will determine the maximum tolerated dose. In addition, expansion cohort(s) at potential therapeutic dose(s) in patients with or without ESR1 mutations will be enrolled to further determine the safety, tolerability, pharmacokinetics and biological activity of AZD9496 | <ul style="list-style-type: none"> Primary Outcome Measures: Safety and tolerability Secondary Outcome Measures: Single and multiple dose pharmacokinetics of AZD9496 4β-hydroxycholesterol concentration in blood Anti-tumour activity | <ul style="list-style-type: none"> FPCD: Q4 2014 LPCD: Q2 2016 Data readout: Q2 2017 |
| Phase I NCT02780713 | Healthy subjects | 14 | <ul style="list-style-type: none"> This is a Phase I open label single centre trial to assess the pharmacokinetics and safety of different forms and formulations of AZD9496 in healthy subjects | <ul style="list-style-type: none"> Primary Outcome Measures: Pharmacokinetics for AZD9496 and its metabolites Secondary Outcome Measures: Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q2 2016 LPCD: Q3 2016 Data readout: Q2 2017 |



AZD4831, AZD5718, AZD8601

Cardiovascular disease

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--------------------------|----------|--|---|---|
| AZD4831 (MPO) Phase I NCT02712372 | Healthy subjects | ~96 | SAD trial (one trial site in Germany) <ul style="list-style-type: none"> Planned to investigate 6 different dose levels vs placebo but up to 10 cohort may be used | <ul style="list-style-type: none"> Safety and tolerability PK parameters | <ul style="list-style-type: none"> FPCD: Q3 2016 LPCD: Q4 2016 Data readout Q2 2017 |
| AZD4831 (MPO) Phase I NCT03136991 | Healthy subjects | ~40 | MAD (one trial site in USA) <ul style="list-style-type: none"> The planned number of cohorts is four but up to five cohorts may be included | <ul style="list-style-type: none"> Safety and tolerability PK parameters | <ul style="list-style-type: none"> FPCD: Q2 2017 |
| AZD5718 (FLAP) Phase I NCT02632526 | Healthy subjects | 96 | SMAD trial (one trial site in UK) SAD <ul style="list-style-type: none"> Oral administration MAD <ul style="list-style-type: none"> The planned number of cohorts is four but up to six cohorts may be included Once or twice daily oral administration of AZD5718 | <ul style="list-style-type: none"> Safety and tolerability PK parameters, bioavailability | <ul style="list-style-type: none"> FPCD: Q1 2016 LPCD: Q3 2016 Data readout: Q4 2016 |
| AZD5718 (FLAP) Phase I NCT02963116 | Healthy subjects | 12 | DDI/BA study (one trial site in UK) A Randomised, 5-Period, 5-Treatment, Single-Dose, open-label, cross-over study to <ul style="list-style-type: none"> estimate the effect of AZD5718 on the Pk of <i>Crestor</i> Assess the relative bioavailability of AZD5718 oral suspension vs AZD5718 IR tablet formulation Assess the food effect of AZD5718 | <ul style="list-style-type: none"> PK and bioavailability To further assess the safety of single doses of AZD5718 in healthy subjects | <ul style="list-style-type: none"> FPCD: Q2 2016 LPCD: Q1 2017 Data readout Q2 2017 |
| AZD8601 (VEGF-A) Phase I NCT02935712 | Type 2 diabetic patients | ~60 | SAD trial (one trial site in Germany) Part A <ul style="list-style-type: none"> Planned to investigate 3 different dose levels vs placebo but up to 5 cohort may be used Part B 15 subjects will be dosed with a dose selected from part A | <ul style="list-style-type: none"> Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q1 2017 LPCD: Q3 2017 |



AZD8601 (VEGF-A)

Cardiovascular disease

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------------------|--------------------------|----------|--|---|---|
| Phase I NCT02935712 | Type 2 diabetic patients | ~60 | SAD trial (one trial site in Germany) <ul style="list-style-type: none">Planned to investigate 3 different dose levels vs placebo but up to 5 cohort may be used | <ul style="list-style-type: none">Safety and tolerability | <ul style="list-style-type: none">FPCD: Q1 2017 |



Verinurad (RDEA3170, URAT1 inhibitor)

Chronic kidney disease

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|---------------------------------------|--|----------|---|---|---|
| Phase II NCT03118739 | CKD patients with hyperuricaemia, albuminuria, and Type 2 diabetes | 60 | <ul style="list-style-type: none">• Arm A: verinurad 9 mg and febuxostat 80 mg• Arm B: Placebo The trial is a multi-centre trial conducted in the US | To assess the effects of intensive uric acid lowering therapy with RDEA3170 and febuxostat on UACR (urine albumin creatinine ratio) | <ul style="list-style-type: none">• FPCD: Q2 2017 |



Abediterol (AZD0548, LABA)

Asthma

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|-------------------------|---|----------|---|--|--|
| Phase II NCT02777827 | Patients With Asthma on Inhaled Corticosteroids | 36 | Single-dose 6-way cross-over to investigate ultra-low doses of abediterol and to compare 2 different devices (pMDI and 3 DPI) <ul style="list-style-type: none">• Abediterol 0.156 µg• Drug: Abediterol 2.5 µg• Drug: Abediterol 0.05 µg• Other: Placebo | Primary Endpoint. <ul style="list-style-type: none">• To assess the PD response (bronchodilation) of ultra-low doses of abediterol• To compare the PD response at the same doses between the 2 devices• To compare PK (2.5 µg dose only) between the 2 devices | <ul style="list-style-type: none">• FPCCD: Q3 2016• LPCD: Q4 2016• Data readout: Q1 2017 |

Oncology

CVMD

Respiratory

Other



AZD1419 (TLR9 agonist)

Asthma

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------------------|--|----------|--|--|---|
| Phase IIa INCONTRO NCT02898662 | Adults with eosinophilic, moderate to severe asthma on ICS + LABA background treatment | 81 | <ul style="list-style-type: none">• Arm 1: AZD1419, once-weekly adaptive dosing (4mg, 1mg, 8mg)• Arm 2: placebo Inhaled (nebulised) administration Trial conducted in EU | <ul style="list-style-type: none">• Time to loss of asthma control | <ul style="list-style-type: none">• FPCD: Q4 2016• LPCD: Q4 2017• Data anticipated: Q4 2017 |

ICS = Inhaled corticosteroids

LABA = Long Acting Beta Agonist

Oncology

CVMD

Respiratory

Other



AZD5634 (epithelial NaC inhibitor)

Cystic fibrosis

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------|-------------------------|--|--|---|
| Phase I NCT02679729 | Healthy subjects | Part A: 57 Part B: 6 | SAD. A Phase I, Randomised, Single-Blind, Placebo-Controlled Study to Assess the Safety, Tolerability and Pharmacokinetics of AZD5634 Following Single-Ascending Inhaled Doses (Part A) and After Single Inhaled and Intravenous Doses (Part B) in Healthy Subjects | Primary Endpoint • Safety and tolerability Secondary Endpoint • PK parameters | <ul style="list-style-type: none">• FPCD: Q1 2016• LPCD: Q3 2016• Data readout: Q2 2017 |

Oncology

CVMD

Respiratory

Other



AZD7594 (inhaled SGRM)

Asthma/chronic obstructive pulmonary disease (COPD)

| Trial | Population | Patients | Design | Endpoints | Status |
|-------------------------|---------------------------------------|----------|---|---|---|
| Phase II NCT02479412 | Patients with mild to moderate asthma | 48 | A randomised, double blind, multiple dosing (14 days), placebo-controlled, incomplete block cross-over, multi-centre trial to assess efficacy and safety of three dose levels of AZD7594, given once daily by inhalation, in patients with mild to moderate asthma | <ul style="list-style-type: none"> Primary: morning trough forced expiratory volume in one second (FEV1) | <ul style="list-style-type: none"> FPCD: Q3 2015 LPCD: Q4 2015 Data readout: Q3 2016 |
| Phase I NCT02967159 | Healthy subjects | 32 | A randomised open label cross-over study to evaluate pharmacokinetics and safety of single inhaled doses of abediterol and AZD7594 given alone, in fixed dose combination (FDC) and in free combination using dry powder inhaler (DPI), in male healthy volunteers | <ul style="list-style-type: none"> PK, safety and tolerability | <ul style="list-style-type: none"> FPCD: Q4 2016 LPCD: Q1 2017 Data readout: Q2 2017 |
| Phase I NCT02928354 | Healthy subjects | 12 | This study is an open label, randomised, three-way cross-over study to assess the effect of particle size on the PK and safety of single inhaled doses of AZD7594 in healthy subjects (males aged 18 to 55 years [inclusive]). The study will be performed at a single study centre | <ul style="list-style-type: none"> PK and safety | <ul style="list-style-type: none"> FPCD: Q4 2016 LPCD: Q1 2017 Data readout: Q2 2017 |
| Phase I NCT01636024 | Healthy subjects | 73 | SAD/MAD A Phase I, single centre, double-blind, randomised, placebo controlled, parallel-group trial to assess the safety, tolerability, Pharmacokinetics and Pharmacodynamics after single and multiple ascending inhaled doses of AZD7594 in healthy male Subjects – suspension inhaled via Spira nebuliser Trial conducted in the UK | <ul style="list-style-type: none"> Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q4 2012 LPCD: Q2 2013 Data readout: Q4 2013 |
| Phase I NCT02648438 | Healthy subjects | 30 | An open label, partially randomised, four-period trial in healthy male subjects to investigate the bioavailability and pharmacokinetics of a single dose of AZD7594 when administered intravenously, orally and inhaled via two different dry powder inhalers (DPI) and a pressurised metered-dose inhaler (pMDI) | <ul style="list-style-type: none"> Bioavailability and pharmacokinetics | <ul style="list-style-type: none"> FPCD: Q1 2016 LPCD: Q2 2016 Data readout: Q3 2016 |
| Phase I NCT02645253 | Healthy subjects | 27 | A phase I, randomised, single-blind, placebo-controlled, sequential-group, single-centre trial to investigate the safety, tolerability, pharmacokinetics and pharmacodynamics of single and multiple ascending doses of AZD7594 given once daily as inhaled formulation in healthy Japanese men | <ul style="list-style-type: none"> Safety and tolerability | <ul style="list-style-type: none"> FPCD: Q1 2016 LPCD: Q2 2016 Data readout: Q4 2016 |

AZD7594 (inhaled SGRM)

Asthma/chronic obstructive pulmonary disease (COPD)

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------|----------|--|--|---|
| Phase I NCT02928354 | Healthy subjects | 18 | A randomised open label three-way cross-over study in healthy male volunteers to investigate the effect of particle size on PK following a single inhaled dose of AZD7594 via a dry powder inhaler (DPI) | <ul style="list-style-type: none">• PK• Safety and tolerability | <ul style="list-style-type: none">• FPCD: Q4 2016• LPCD: Q1 2017 |
| Phase I NCT02967159 | Healthy subjects | 32 | A randomised open label cross-over study to evaluate the pharmacokinetics and safety of single inhaled doses of abediterol and AZD7594 given alone, in fixed dose combination and in free combination, using DPI, in male healthy volunteers | <ul style="list-style-type: none">• PK• Safety and tolerability | <ul style="list-style-type: none">• FPCD: Q4 2016• LPCD: Q1 2017 |

Oncology

CVMD

Respiratory

Other



AZD7986 (DPP1 inhibitor)

Chronic obstructive pulmonary disease (COPD)

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------|----------|---|---|---|
| Phase I NCT02303574 | Healthy subjects | 152 | Part 1 (SAD) <ul style="list-style-type: none"> Five different dose levels investigated vs placebo oral administration | <ul style="list-style-type: none"> Safety and tolerability and PK following oral administration with single ascending dose Preliminary assessment of the effect of food on the single dose PK parameters of AZD7986 | <ul style="list-style-type: none"> FPCD: Q4 2014 |
| | | | Part 2 (MAD) <ul style="list-style-type: none"> Three different dose levels investigated vs placebo in healthy subjects oral administration Trial conducted in the UK | <ul style="list-style-type: none"> Safety and tolerability & PK in healthy subjects following administration of multiple ascending oral doses NE activity | <ul style="list-style-type: none"> FPCD: Q1 2016 |
| Phase I NCT02653872 | Healthy subjects | 15 | A phase 1, non-randomised, fixed sequence, 3-period, drug-drug interaction trial to assess the pharmacokinetics (PK) of AZD7986 in healthy subjects when administered alone and in combination with multiple doses of verapamil and itraconazole or diltiazem | <ul style="list-style-type: none"> Effect of verapamil and the effect of itraconazole/diltiazem on the pharmacokinetics (PK) of AZD7986 Safety and tolerability of AZD7986 | <ul style="list-style-type: none"> FPCD: Q1 2016 |



AZD8871 (MABA2)

Chronic obstructive pulmonary disease (COPD)

| Trial | Population | Patients | Design | Endpoints | Status |
|--|---|--|---|--|--|
| Phase I NCT02573155 | Part 1: Mild Asthmatic Part 2: Moderate to severe COPD | N (Part 1) = 16 N (Part 2) = 38 | Part 1 SAD study with 6 dose levels; 50 µg, 200 µg, 400 µg, 900 µg, 1800 µg, and 2100 µg Part 2 Comprises 5 treatment periods of 36 hours each separated by a washout period of at least 7 to 14 days (one exception per patient of up to 28 days would be acceptable) <ul style="list-style-type: none"> • AZD8871 400 µg once daily (double-blind) • AZD8871 1800 µg once daily (double-blind) • Indacaterol 150 µg once daily (open-label) • Tiotropium 18 µg once daily (open-label) • Placebo (double-blind) Global Study – 1 country (UK) | Part 1 Endpoints: <ul style="list-style-type: none"> • To assess the safety and tolerability of single doses of AZD8871 administered by inhalation to mild persistent asthmatic male subjects • To evaluate the pharmacodynamics (PD) (bronchodilation) of single doses of AZD8871 in mild persistent asthmatic male subjects Part 2 Endpoints: <ul style="list-style-type: none"> • As above to COPD subjects | Part 1 <ul style="list-style-type: none"> • FPCD: Q4 2015 • LPCD: Q4 2015 Part 2 <ul style="list-style-type: none"> • FPCD: Q2 2016 • LPCD: Q3 2016 • Data readout: Q4 2016 |
| Phase I NCT02814656 | Healthy subjects | 24 | MAD study with 3 dose levels; 300 µg, 600µg, and 900 µg (TBC) and placebo Global Study – 1 country (UK) | Primary Endpoint: <ul style="list-style-type: none"> • The primary objective is to investigate the safety and tolerability of AZD8871 at steady state Secondary Endpoint: <ul style="list-style-type: none"> • To characterize the PK of AZD8871 and its metabolites LAS191861 and LAS34850 after multiple doses of AZD8871 and assess the time required to reach steady state, the degree of accumulation and the time dependency | <ul style="list-style-type: none"> • FPCD: Q3 2016 • LPCD: Q4 2016 • Data readout: Q1 2017 |
| Phase IIa NCT02971293 | Moderate to severe COPD | 42 | Comprises 3 treatment periods of 14 days each separated by a washout period of 28 to 35 days <ul style="list-style-type: none"> • AZD8871 600 µg once daily (double-blind) • AZD8871 100 µg once daily (double-blind) • Placebo (double-blind) Global study – 2 countries (UK & Germany) | Primary Endpoint: <ul style="list-style-type: none"> • To evaluate the efficacy of inhaled AZD8871 in patients with moderate to severe COPD Secondary Endpoint: <ul style="list-style-type: none"> • To investigate the PK of AZD8871 and its metabolites after multiple dose administration of AZD8871 in patients with moderate to severe COPD | <ul style="list-style-type: none"> • FPCD: Q1 2017 |



AZD9567 (oSGRM)

Respiratory

Approved medicines
 Late-stage development
Early development - IMED
 Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------|----------|---|---|---|
| Phase I NCT02512575 | Healthy subjects | 72 | SAD trial with 8 dose levels – single ascending doses (starting at 2 mg up to 155 mg) | <ul style="list-style-type: none"> A Phase I, Randomised, Single-Blind, Placebo-Controlled trial To Assess The Safety, Tolerability, Pharmacokinetics And Pharmacodynamics Of Single Ascending Oral Doses Of AZD9567 In Healthy subjects | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD: Q2 2016 Data readout: Q1 2017 |
| Phase I NCT02760316 | Healthy subjects | 95 | MAD trial with 4 dose levels: 10 mg, 20mg, 40mg, 80mg and prednisolone 20 mg | <p>Primary Endpoint:</p> <ul style="list-style-type: none"> To assess the safety and tolerability of AZD9567 following multiple oral ascending doses in subjects with BMI between 28 and 38 kg/m² and with a positive glucose tolerance test (7,8 to 11,0 mmol/L) <p>Secondary Endpoints:</p> <ul style="list-style-type: none"> To characterise the pharmacokinetics of AZD9567 following multiple oral administration of ascending doses To characterise the pharmacodynamics of AZD9567 assessed as effect on glucose homeostasis through OGTT (oral glucose tolerance test) in comparison with prednisolone 20 mg | <ul style="list-style-type: none"> FPCD: Q2 2016 Data anticipated: 2018 |



AZD0284 (ROR γ)

Plaque psoriasis vulgaris

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------|----------|--|---|--|
| Phase I NCT02976831 | Healthy subjects | 80 | Part 1 (SAD) <ul style="list-style-type: none"> Seven different dose levels investigated vs placebo oral administration | <ul style="list-style-type: none"> Safety and tolerability and PK following oral administration with single ascending dose Preliminary assessment of the effect of food on the single dose PK parameters of AZD0284 | <ul style="list-style-type: none"> FPCD: Q3 2016 LPCD: Q2 2017 |
| | | | Part 2 (MAD) <ul style="list-style-type: none"> Three different dose levels investigated vs placebo in healthy subjects oral administration | <ul style="list-style-type: none"> Safety and tolerability & PK in healthy subjects following administration of multiple ascending oral doses Proof of Mechanism (PoM) confirmed by demonstrating that oral dosing of AZD0284 reduces IL-17 secretion by ex vivo stimulated whole blood T cells | <ul style="list-style-type: none"> FPCD: Q1 2017 LPCD: Q1 2017 |
| Phase I NCT03029741 | Healthy subjects | 6 | A Phase I, single centre, open-label, non-randomised, single dose study performed in 6 healthy male subjects aged 18 to 65 years, inclusive. The study will assess the absolute bioavailability of a single oral dose of AZD0284 and the pharmacokinetics (PK) of a single intravenous (IV) microdose of [14C]AZD0284 in healthy male and female subjects. Oral AZD0284 and [14C] AZD0284 intravenous solution are referred to as the investigational products in this study | <ul style="list-style-type: none"> Determination of absolute bioavailability of AZD0284 Safety and tolerability of AZD0284 | <ul style="list-style-type: none"> FPCD: Q1 2017 LPCD: Q1 2017 |

Oncology

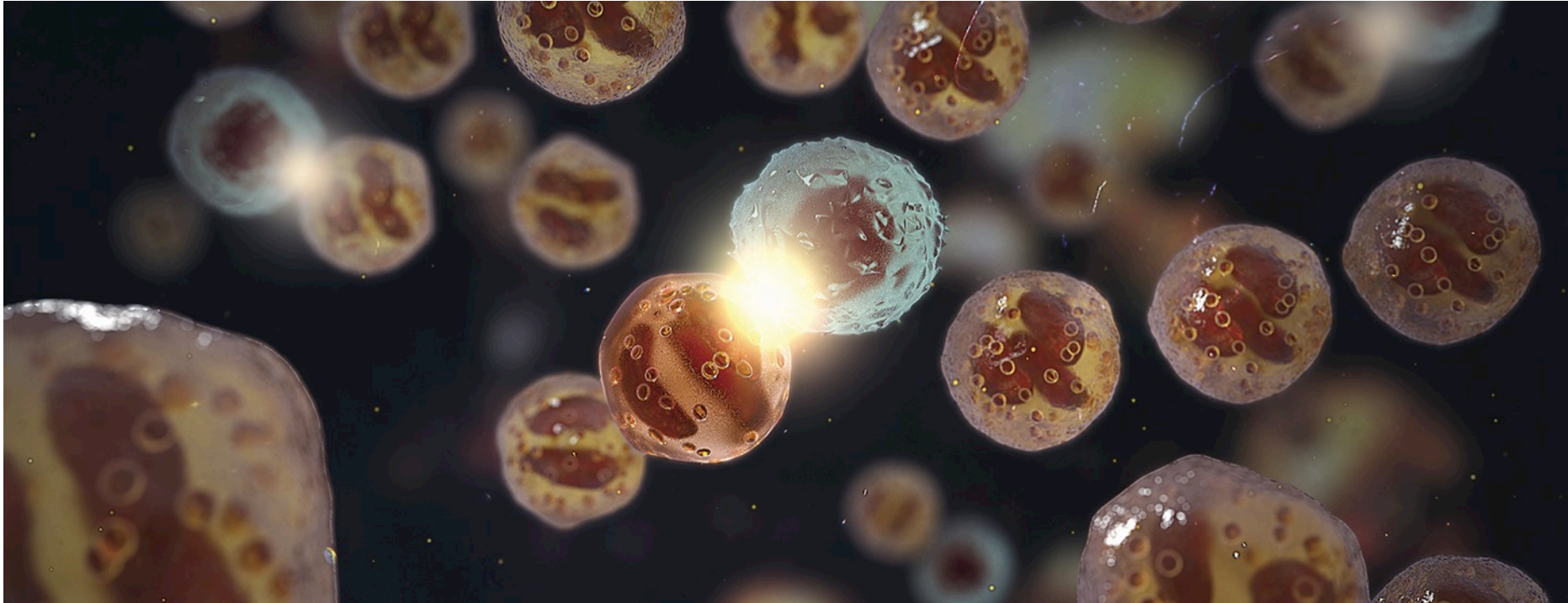
CVMD

Respiratory

Other



Early development - MedImmune Research & Early Development



Imfinzi (PD-L1 mAb)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Compound | Population | Patients | Design | Endpoints | Status |
|---|-------------------------------|--------------------------|----------|--|---|--|
| Phase I/II STUDY 1108 NCT01693562 | Imfinzi | Solid tumours | 1,022 | <ul style="list-style-type: none"> Dose Escalation: 5 cohorts at Q2W and 1 cohort at Q3W Dose Expansion: 16 tumour type cohorts at the Q2W MTD defined during dose escalation; one cohort at 20mg Q4W <p>Global trial – eight countries</p> | <ul style="list-style-type: none"> Safety Optimal biologic dose Secondary endpoints include PK, immunogenicity and anti-tumour activity | <ul style="list-style-type: none"> FPCD: Q3 2012 LPD: Q4 2015 Data readout: Ongoing |
| Phase I NCT02117219 | Imfinzi, azacitidine (Vidaza) | Myelodysplastic syndrome | 73 | <p>Dose-escalation and dose-expansion trial</p> <ul style="list-style-type: none"> Part 1: Imfinzi Part 2 Arm 1: Imfinzi and tremelimumab Part 2 Arm 2: Imfinzi, tremelimumab, and azacitidine <p>Global trial – four countries</p> | <ul style="list-style-type: none"> Safety and tolerability of monotherapy and combination Secondary endpoints include duration of response, PFS and OS, PK and immunogenicity | <ul style="list-style-type: none"> FPCD: Q2 2014 Data anticipated: 2020 |
| Phase 1 NCT02900157 | Imfinzi | Solid tumours | 42 | <p>Multi-centre, open-label, single-arm trial for adult subjects</p> <p>US and Japan trial centers</p> | <ul style="list-style-type: none"> Safety, PK, number of subjects reporting infusion related reaction | <ul style="list-style-type: none"> FPCD: Q3 2016 Data anticipated: 2018 |



Imfinzi (PD-L1 mAb) + tremelimumab (CTLA-4 mAb)

Cancer

| Trial | Population | Patients | Design | Endpoints | Status |
|--|--|----------|---|--|---|
| Phase Ib/II STUDY 21 NCT02340975 | Gastric or GEJ adenocarcinoma | 236 | <ul style="list-style-type: none"> Arm A: <i>Imfinzi</i> + tremelimumab 2L Arm B: <i>Imfinzi</i> 2L Arm C: tremelimumab 2L Arm D: <i>Imfinzi</i> + tremelimumab 3L US and ROW trial centres | <ul style="list-style-type: none"> Primary endpoints: Safety & tolerability, ORR, PFS Secondary endpoints: DCR, OS, DoR, PD-L1 Expression | <ul style="list-style-type: none"> FPCD: Q2 2015 Data anticipated: 2018 |
| Phase Ib/II STUDY 22 NCT02519348 | Hepatocellular Carcinoma | 144 | <ul style="list-style-type: none"> Arm A: <i>Imfinzi</i> + tremelimumab Arm B: <i>Imfinzi</i> 2L Arm C: tremelimumab 2L | <ul style="list-style-type: none"> Primary endpoints: Safety & tolerability, ORR, PFS Secondary endpoints: DCR, OS, DoR, PD-L1 Expression | <ul style="list-style-type: none"> FPCD: Q4 2015 Data anticipated: 2018 |
| Phase Ib STUDY 006 NCT02000947 | NSCLC (Immunotx naïve and Immunotx pretreated patient cohorts) | 459 | <ul style="list-style-type: none"> Dose Escalation: minimum 5 cohorts exploring various treme Q4W and <i>Imfinzi</i> IV Q4W dose combinations, higher dose levels and alternate Q2 schedule added with amendment Dose Expansion: MTD for the combination in escalation to be explored in expansion North American trial centres, exploration of ex-US countries for expansion into EU and ROW | <ul style="list-style-type: none"> Primary endpoints: Safety Optimal biologic dose for the combination Secondary endpoints include Antitumour activity, PK and immunogenicity | <ul style="list-style-type: none"> FPCD: Q4 2013 LPCD: H1 2017 Data anticipated: H1 2018 |
| Phase I STUDY 10 NCT02261220 | Solid tumours (Basket trial) | 380 | <ul style="list-style-type: none"> Dose Exploration: 2 cohorts exploring various Q4W treme and <i>Imfinzi</i> dose combinations and 2 cohorts exploring various Q2W treme and <i>Imfinzi</i> dose combinations Dose Expansion: MTD for the combination in escalation to be explored in expansion cohorts specific for each of 7 tumour types North American trial centres | <ul style="list-style-type: none"> Primary endpoints: Safety Optimal biologic dose for the combination Secondary endpoints include anti-tumour activity, PK/PD and immunogenicity | <ul style="list-style-type: none"> FPCD: Q4 2014 LPCD: H1 2017 Data anticipated: 2018 |
| Phase I STUDY 11 NCT02262741 | HNSCC | 71 | <ul style="list-style-type: none"> Arm A: treatment-naïve, PD-L1+, combo Arm B: treatment-naïve, PD-L1-, combo Arm C: PD-1/PD-L1 refractory, combo North American trial centres | <ul style="list-style-type: none"> Primary endpoint: Safety & tolerability Secondary endpoints: OR, DC, DoR, PFS, OS, PK/PD, immunogenicity and biomarkers | <ul style="list-style-type: none"> FPCD: Q4 2014 LPCD: Q3 2016 Data anticipated: 2018 |
| Phase Ib STUDY 23 NCT02549651 | Diffuse Large B cell Lymphoma | 207 | <ul style="list-style-type: none"> Arm A: <i>Imfinzi</i> Arm B: <i>Imfinzi</i> + tremelimumab Arm C: tremelimumab + AZD9150 US and European trial centres | <ul style="list-style-type: none"> Primary endpoint: Safety & tolerability Secondary endpoints: OR, DC, DoR, PFS, OS, PK/PD, immunogenicity and biomarkers | <ul style="list-style-type: none"> FPCD: Q3 2016 Data anticipated: 2022 |

Imfinzi (PD-L1 mAb) + *Iressa* (gefitinib)

Non-small cell lung cancer (NSCLC)

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|--|----------|---|--|--|
| Phase I NCT02088112 | NSCLC (Escalation phase) EGFR M+ NSCLC naïve to EGFR-TKI therapy (Expansion phase) | 56 | Escalation phase Standard 3+3 design with 28 days DLT period • <i>Iressa</i> (QD) + <i>Imfinzi</i> IV Expansion phase • <i>Iressa</i> (QD) + <i>Imfinzi</i> IV recommended dose Global trial – three countries | Primary endpoints: • Safety • Optimal biologic dose for the combination • Secondary endpoints: tumour response (CR, PR, SD, PD), Objective response rate, disease control rate, progression- free survival, immunogenicity, pharmacokinetics, pharmacodynamics | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q2 2015 Data anticipated: 2019 |



Imfinzi (PD-L1 mAb) + MEDI0680 (PD-1 mAb)

Cancer

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|--|----------|--|--|--|
| Phase I NCT02118337 | Advanced malignancies (escalation phase) Renal cell carcinoma (RCC) (expansion phase) | 96 | Dose-escalation phase • <i>Imfinzi</i> IV + MEDI0680 IV Dose-expansion phase at selected dose from dose-escalation phase • <i>Imfinzi</i> IV + MEDI0680 IV recommended dose | Primary endpoints: • Safety • Determination of MTD • Secondary endpoints include tumour response such as objective response rate, disease control rate, progression-free survival, duration of response, OS, immunogenicity, pharmacokinetics, pharmacodynamics | • FPCD: Q2 2014 • Data anticipated: 2021 |
| Phase I NCT02013804 | Advanced malignancies (escalation phase) | 58 | Dose-escalation phase • MEDI0680 IV | • Primary endpoint: Safety & Tolerability • Secondary endpoints include tumour response such as objective response rate, immunogenicity, pharmacokinetics, pharmacodynamics | • FPCD: Q4 2013 • Data anticipated: Q2 2017 |



Imfinzi (PD-L1 mAb) + dabrafenib (BRAF inhibitor) / trametinib (MEK inhibitor)

Melanoma

| Trial | Population | Patients | Design | Endpoints | Status |
|---------------------------|--|----------|---|--|--|
| Phase I/II NCT02027961 | Metastatic or unresectable melanoma BRAF mutation+ (Cohort A) BRAF wild type (Cohorts B&C) | 69 | Dose Escalation: <ul style="list-style-type: none"> Cohort A dabrafenib 150mg BiD/ trametinib 2mg QD/ <i>Imfinzi</i> IV Cohort B trametinib 2mg QD/ <i>Imfinzi</i> IV Cohort C trametinib 2mg QD/ <i>Imfinzi</i> IV Dose Expansion: <ul style="list-style-type: none"> Each cohort will be expanded at the MTD to enroll a total of 20 subjects per cohort Global trial – two countries | Primary endpoints: <ul style="list-style-type: none"> Safety Optimal biologic dose for the combination Secondary endpoints include objective response and disease control, duration of response, progression-free survival and OS, pharmacokinetics and immunogenicity | <ul style="list-style-type: none"> FPCD: Q1 2014 LPCD: Q2 2015 Data anticipated: 2018 |



Imfinzi (PD-L1 mAb) + monalizumab (NKG2a mAb)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------------|----------|--|---|---|
| Phase I NCT02671435 | Advanced solid tumours | 175 | Escalation phase • monalizumab + <i>Imfinzi</i> IV Expansion phase • monalizumab + <i>Imfinzi</i> IV recommended dose Global Trial | Primary endpoints: • Safety • Optimal biologic dose for the combination • Secondary endpoints include tumour response (CR, PR, SD, PD), Objective response rate, disease control rate, progression-free survival, immunogenicity, pharmacokinetics, pharmacodynamics | • FPCD: Q2 2016 • Data anticipated: 2019 |



MEDI0457

+ *Imfinzi* (PD-L1 mAb)

Squamous cell carcinoma of the Head and Neck (SCCHN)

Approved medicines
Late-stage development
Early development - IMED
Early development - MedImmune

Oncology
CVMD
Respiratory
Other

| Trial | Population | Patients | Design | Endpoints | Status |
|-----------------------------|---|----------|--|---|---|
| Phase Ib/IIa NCT03162224 | Human papillomavirus (HPV) Associated Recurrent/Metastatic Head and Neck Cancer | 50 | Multi-centre, open label study to evaluate the safety and efficacy of combination treatment with MEDI0457 and <i>Imfinzi</i> | Primary endpoints: Safety & Tolerability, ORR Secondary endpoints: PK, ADA, DCR, OS, PFS | FPCD: 3Q 2017 Data Anticipated: 2019 |



MEDI0562 (OX40 mAb) MEDI0562 (OX40 mAb) + *Imfinzi* (PD-L1 mAb) or tremelimumab (CTLA-4 mAb)

Cancer

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|-----------------------|----------|--|--|---|
| Phase I NCT02318394 | Advanced malignancies | 106 | Dose-escalation phase • MEDI0562 IV Dose-expansion phase • MEDI0562 IV recommended dose | Primary endpoints: • Safety • Determination of MTD • Secondary endpoint: preliminary anti-tumour activity, pharmacokinetics, biomarker activity, and immunogenicity | • FPCD: Q1 2015 • Data anticipated: 2020 |
| Phase I NCT02705482 | Advanced malignancies | 404 | • Arm A: MEDI0562 IV + <i>Imfinzi</i> IV • Arm B: MEDI0562 IV + tremelimumab IV | • Primary endpoint: Safety • Secondary endpoint: preliminary anti-tumour activity, pharmacokinetics, and immunogenicity and pharmacodynamics | • FPCD: Q2 2016 • Data anticipated: 2021 |



MEDI1873 (GITR agonist)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---|----------|--|---|--|
| Phase I NCT02583165 | Adult subjects with select advanced solid tumours | 51 | Dose-escalation phase • MEDI1873 IV US trial centres | Primary endpoints: • Safety • Determination of MTD • Secondary endpoints: preliminary anti-tumour activity, pharmacokinetics, pharmacodynamics, and immunogenicity | • FPCD: Q4 2015 • LPCD: Q4 2016 • Data anticipated: 2019 |



MEDI4276 (HER2 ADC mAb)

Cancer

Approved medicines
Late-stage development
Early development - IMED
Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---|--|---|---|--|
| Phase I NCT02576548 | Advanced HER2+ metastatic breast and gastric cancer | Dose escalation Up to 66 Dose expansion Up to 150 | <ul style="list-style-type: none">First-time-in-human Phase 1, multi-centre, open-label, single-arm, dose-escalation, and dose-expansion trial for adult subjects | <ul style="list-style-type: none">Primary endpoint: safetySecondary endpoints: anti-tumour activity, overall response, disease control, PFS, OS and change from baseline tumour size | <ul style="list-style-type: none">FPCD: Q4 2015Data anticipated: 2019 |

Oncology

CVMD

Respiratory

Other



MEDI5083 + *Imfinzi* (PD-L1 mAb)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------------|----------|---|--|--|
| Phase I NCT03089645 | Advanced Solid Tumours | 204 | <p>Dose-escalation phase</p> <ul style="list-style-type: none">• Part 1: MEDI5083• Part 2: MEDI5083 + <i>Imfinzi</i> IV <p>Dose expansion phase</p> <ul style="list-style-type: none">• Part 3: MEDI5083 recommended dose + <i>Imfinzi</i> IV <p>US and Australian trial centres</p> | <p>Primary endpoints:</p> <ul style="list-style-type: none">• Safety• Determination of MTD <p>• Secondary endpoints: preliminary anti-tumour activity, pharmacokinetics, pharmacodynamics, and immunogenicity</p> | <ul style="list-style-type: none">• FPCD: Q1 2017• Data anticipated: 2022 |



MEDI7247 (PBD ADC mAb)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|--|----------|---|---|--|
| Phase I NCT03106428 | Relapsed/Refractory Haematological Malignancies | 228 | First-time-in-human Phase 1, multi-centre, open-label, single-arm, dose-escalation, and dose-expansion trial for adult subjects | <ul style="list-style-type: none">Primary endpoint: safetySecondary endpoints: Pharmacokinetics, immunogenicity and anti-tumour activity | <ul style="list-style-type: none">FPCD: Q2 2017Data anticipated: 2020 |



MEDI9197 (TLR7/8 agonist)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---|----------|---|--|--|
| Phase I NCT02556463 | Advanced solid tumour malignancies readily accessible for injection | 135 | Dose-escalation phase <ul style="list-style-type: none">MEDI9197 ITMEDI9197 IT + <i>Imfinzi</i>MEDI9197 IT + <i>Imfinzi</i> + palliative radiation Global trial – three countries | Primary endpoints: <ul style="list-style-type: none">SafetyDetermination of MTD Secondary endpoints include: <ul style="list-style-type: none">Objective response, disease control and duration of responseIntratumoural and systemic PK and PD profiles/relationships | <ul style="list-style-type: none">FPCD: Q4 2015Data anticipated: 2020 |



MEDI9447 (CD73 mAb) + *Imfinzi* (PD-L1 mAb)

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|-----------------------|----------|---|--|---|
| Phase I NCT02503774 | Advanced malignancies | 188 | <p>Dose-escalation phase</p> <ul style="list-style-type: none"> • MEDI9447 IV • MEDI9447 IV + <i>Imfinzi</i> IV <p>Dose expansion phase</p> <ul style="list-style-type: none"> • MEDI9447 IV recommended dose • MEDI9447 IV recommended dose + <i>Imfinzi</i> IV <p>US and Australian trial centres</p> | <p>Primary endpoints:</p> <ul style="list-style-type: none"> • Safety • Determination of MTD <p>• Secondary endpoints include preliminary anti-tumour activity, pharmacokinetics, pharmacodynamics, and immunogenicity</p> | <ul style="list-style-type: none"> • FPCD: Q3 2015 • Data anticipated: 2021 |



Other biologics

Cancer

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Compound | Population | Patients | Design | Endpoints | Status |
|-------------------------------------|--------------------------------|---|--|--|---|---|
| Phase I/II NCT01446159 | Anti-IGF ligand mAb (MEDI-573) | Patients with HR+ HER2-, 1L, metastatic breast cancer taking aromatase inhibitors | 176 | <ul style="list-style-type: none"> Arm 1: MEDI-573 IV and aromatase inhibitor Arm 2: aromatase inhibitor alone <p>Open label trial</p> | <ul style="list-style-type: none"> PFS Retrospective evaluation of predictive biomarker +ve subgroups | <ul style="list-style-type: none"> FPCD: Q2 2012 LPCD: Q2 2013 Data anticipated: H2 2017 |
| Phase I NCT01284231 Partnered | Anti-CEA BiTE mAb (MEDI-565) | <p>Adults with gastrointestinal (GI) adenocarcinoma with no available standard or curative treatments</p> <p>Refractory pancreatic, colorectal and gastro-oesophageal cancers</p> | <p>51 max</p> <p>60 max, 20 in each cohort</p> | <ul style="list-style-type: none"> Dose-escalation (3+3), IV Dose expansion trial, IV | <ul style="list-style-type: none"> MTD and safety profile | <ul style="list-style-type: none"> FPCD: Q1 2011 LPCD Q3 2014 Data readout: Q1 2015 |
| Phase I NCT01577745 | Anti-DLL4 mAb (MEDI0639) | Adults with advanced solid tumours including SCLC | 25 | <ul style="list-style-type: none"> Dose-escalation trial (3+3); IV | <ul style="list-style-type: none"> MTD and safety profile | <ul style="list-style-type: none"> FPCD: Q2 2012 LPCD: Q2 2015 Data readout: Q4 2015 |



MEDI0382 (GLP-1-glucagon)

Diabetes

Approved medicines
 Late-stage development
 Early development - IMED
 Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|---|--|--|
| Phase I NCT02394314 Completed | Healthy adult subjects | 64 | <ul style="list-style-type: none"> SAD SC administration Germany | <ul style="list-style-type: none"> Safety profile in terms of adverse events (AE), vital signs, ECG, telemetry, lab variables, nausea, immunogenicity and physical examination | <ul style="list-style-type: none"> FPCD: Q1 2015 LPD: Q4 2015 Data readout: Q4 2015 |
| Phase II NCT02548585 Completed | Adults with type-2 diabetes | 113 | <ul style="list-style-type: none"> MAD SC administration Germany | <ul style="list-style-type: none"> Safety profile in terms of adverse events (AE), vital signs, ECG, telemetry, lab variables, nausea, immunogenicity and physical examination Efficacy: MMT glucose AUC, HbA1c, fructosamine and body weight loss | <ul style="list-style-type: none"> FPCD: Q1 2016 LPD: Q1 2017 Data readout: Q1 2017 |
| Phase II NCT03244800 | Adults with type-2 diabetes | 63 | <ul style="list-style-type: none"> ARM1: MEDI0382 SC or placebo ARM2: MEDI0382 SC or placebo Germany | <ul style="list-style-type: none"> Efficacy: MMT glucose AUC, body weight loss, HbA1c, fasting plasma glucose Safety profile in terms of adverse events (AE), heart rate, blood pressure, vital signs, ECG, lab variables | <ul style="list-style-type: none"> FPCD: Q3 2017 Data anticipated: 2018 |
| Phase II NCT03235050 | Overweight and Obese subjects with type-2 diabetes | 750 | <ul style="list-style-type: none"> ARM1: MEDI0382 low dose SC + metformin ARM2: MEDI0382 mid dose SC + metformin ARM3: MEDI0382 high dose SC + metformin ARM4: placebo SC + metformin ARM5: liraglutide SC + metformin US, Canada, Bulgaria, Czech Rep, Germany, Mexico, Russia, Slovakia | <ul style="list-style-type: none"> Efficacy; HbA1c, body weight loss Percentage of subjects achieving weight loss of $\geq 5\%$ and $\geq 10\%$ Proportion of subjects rescued or discontinued for lack of glycaemic control PK and immunogenicity | <ul style="list-style-type: none"> FPCD: Q3 2017 Data anticipated: 2018 |
| Phase I NCT03235375 | Adults with renal impairment | 24 | <ul style="list-style-type: none"> ARM1: Subjects with CrCl <20ml/min MEDI082 SC ARM2: Subjects with CrCl 20-30ml/min MEDI0382 SC ARM3: Subjects with CrCl >90ml/min MEDI0382 SC | <ul style="list-style-type: none"> PK, safety, tolerability and immunogenicity | <ul style="list-style-type: none"> FPCD: Q3 2017 Data anticipated: 2018 |



Biologics

Cardiovascular & metabolic diseases

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Compound | Population | Patients | Design | Endpoints | Status |
|--------------------------|--------------------|---|----------|--|---|---|
| Phase IIa NCT02601560 | rhLCAT MEDI6012 | Adults with stable coronary artery disease (CAD) and low High-density lipoprotein (HDL) | 56 | <ul style="list-style-type: none"> SAD in stable CAD patients | <ul style="list-style-type: none"> Safety profile in terms of adverse events (AE), vital signs, ECG, telemetry, lab variables, immunogenicity and physical examination Changes in baseline adjusted post dose HDL-C | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD: Q2 2016 Data readout: Q4 2016 |
| Phase IIa NCT03004638 | | Adults with Stable Atherosclerotic Cardiovascular Disease (ACD) | 32 | <ul style="list-style-type: none"> MAD in stable ACD patients | <ul style="list-style-type: none"> Safety profile in terms of adverse events (AE), vital signs, ECG, lab variables Changes in baseline adjusted post dose HDL-C, HDL-CE, and CE AUC PK, immunogenicity, Apolipoprotein A,LDL, and Apolipoprotein B | <ul style="list-style-type: none"> FPCD: Q1 2017 Data anticipated: Q4 2017 |
| Phase I NCT03001297 | MEDI5884 EL ACS | Healthy Volunteers | 56 | <ul style="list-style-type: none"> SAD SC administration | <ul style="list-style-type: none"> Safety profile in terms of adverse events (AE), vital signs, ECG, lab variables Changes in HDL-C over time | <ul style="list-style-type: none"> FPCD Q1 2017 LPCD Q3 2017 Data anticipated: 2018 |



Tezepelumab (MEDI9929, TSLP mAb)

Asthma

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|----------|--|---|--|
| Phase II PATHWAY NCT02054130 Partnered | Adult subjects with inadequately controlled, severe asthma | 584 | <ul style="list-style-type: none">• Arm 1: Placebo• Arm 2: Low dose tezepelumab 70mg SC Q4W• Arm 3: Medium dose tezepelumab 210mg SC Q4W• Arm 4: High dose tezepelumab 280mg SC Q2W | <ul style="list-style-type: none">• Reduction in the annualised asthma exacerbation rate (AER) measured at week 52 | <ul style="list-style-type: none">• FPCD: Q2 2014• LPCD: Q4 2015• Data readout: Q1 2017• Primary endpoint met |
| Phase II NCT02525094 Partnered | Adult subjects with moderate-to-severe atopic dermatitis | 113 | <ul style="list-style-type: none">• Arm 1: Placebo• Arm 2: Tezepelumab 280mg SC Q2W | <ul style="list-style-type: none">• 50% reduction from baseline in the eczema area and severity index measured at week 12 | <ul style="list-style-type: none">• FPCD: Q2 2015• LPCD: Q2 2016• Data readout: Q4 2016• Primary endpoint not met |

Oncology

CVMD

Respiratory

Other



MEDI3506 (IL-33 mAb)

COPD

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|---|--|------------------------|---|---|--|
| Phase I (Combined SAD / MAD) NCT03096795 | SAD: Healthy subjects with mild atopy MAD: COPD | SAD: 56 MAD: 24 | SAD: <ul style="list-style-type: none">7 sequential placebo-controlled single dose cohorts (active N=6 / placebo N = 2 within each cohort)Dose levels: 1mg SC, 3 mg SC, 10 mg SC, 30 mg SC, 100 mg SC, 300 mg SC and 300 mg IV MAD: <ul style="list-style-type: none">3 sequential placebo-controlled multiple dosing cohorts (active N=6 / placebo N = 2 within each cohort)Dose levels: 30 mg SC, 100 mg SC and 300 mg SC | <ul style="list-style-type: none">Safety and tolerability | <ul style="list-style-type: none">FPCD: Q2 2017LPCD: Q3 2018Data anticipated: 2018 |

Oncology

CVMD

Respiratory

Other



MEDI7836 (IL-13 mAb)

Asthma

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------|----------|--|---|---|
| Phase I NCT02388347 | Healthy subjects | 32 | <ul style="list-style-type: none">• Arm 1: 30mg MEDI7836 (6) or placebo (2) as a single SC dose• Arm 2: 105mg MEDI7836 (6) or placebo (2) as a single SC dose• Arm 3: 300mg MEDI7836 (6) or placebo (2) as a single SC dose• Arm 4: 600mg MEDI7836 (6) or placebo (2) as a single SC dose | <ul style="list-style-type: none">• Safety and tolerability | <ul style="list-style-type: none">• FPCD: Q1 2015• LPCD: Q3 2015• Data readout: Q1 2016 |

Oncology

CVMD

Respiratory

Other



MEDI0700 - AMG 570 (Anti-B7RP-1 mAb/BAFF)

Systemic lupus erythematosus (SLE)

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|--------------------------------------|------------------|----------|---|--------------------------------------|--|
| Phase Ia NCT02618967 Partnered | Healthy subjects | 48 | Single Ascending Dose • Arm 1: MEDI0700 administered as single SC dose • Arm 2: Dose levels of Placebo administered as single SC dose | • Safety and tolerability • PK/PD | • FPCD: Q1 2016 • Data anticipated: H2 2017 |

Oncology

CVMD

Respiratory

Other



MEDI1814 (amyloid beta mAb)

Alzheimer's disease

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|---------------------------------------|----------|--|--|---|
| Phase I NCT02036645 | Alzheimer's disease & healthy elderly | 121 | <ul style="list-style-type: none">SAD & MADUp to 10 IV cohorts are planned vs placebo2 SC cohorts are planned vs placebo US only | <ul style="list-style-type: none">Safety, tolerability | <ul style="list-style-type: none">FPCD: Q2 2014LPCD: Q2 2016Data readout: Q4 2016 |

Oncology

CVMD

Respiratory

Other



MEDI5872 - AMG 557 (B7RP-1 mAb)

Systemic lupus erythematosus (SLE)

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|--|--|----------|---|---|---|
| Phase IIa NCT02334306 Partnered | Primary Sjögren's syndrome | 42 | <ul style="list-style-type: none"> Arm 1: MEDI5872 210mg SC QW for 3 weeks and then Q2W for 9 weeks Arm 2: placebo SC QW for 3 weeks and then Q2W for 9 weeks Global trial – five countries | <ul style="list-style-type: none"> Safety and tolerability Change in the ESSDAI score from baseline to Day 99 | <ul style="list-style-type: none"> FPCD: Q3 2015 Data anticipated: 2018 |
| Phase I NCT01683695 Partnered Completed | SLE and lupus related inflammatory arthritis | 20 | Dose escalation trial: <ul style="list-style-type: none"> Arm 1: MEDI5872 SC Arm 2: placebo SC Global trial – eight countries | <ul style="list-style-type: none"> Safety and tolerability Lupus Arthritis Response Rate | <ul style="list-style-type: none"> FPCD: Q2 2012 LPCD: Q4 2015 Data readout: Q2 2016 |

Oncology

CVMD

Respiratory

Other



MEDI7352 (NGF TNF Bispecific)

Osteoarthritis pain

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------------------------|----------|--|--|---|
| Phase I NCT02508155 | Painful osteoarthritis of the knee | 160 | <ul style="list-style-type: none">SAD & MADUp to 10 IV cohorts are planned vs placebo2 SC cohorts are planned vs placebo Europe only | <ul style="list-style-type: none">Safety, tolerability, PK, PD | <ul style="list-style-type: none">FPCD: Q1 2016Data anticipated: H1 2018 |

Oncology

CVMD

Respiratory

Other



MEDI9314 (IL-4Ra mAb)

Atopic dermatitis

Approved medicines

Late-stage development

Early development - IMED

Early development - MedImmune

| Trial | Population | Patients | Design | Endpoints | Status |
|------------------------|------------------|----------|--|--|---|
| Phase I NCT02669667 | Healthy subjects | 44 | <ul style="list-style-type: none">• Arm 1: 45mg MEDI9314 (4) or placebo (2) as a single SC dose• Arm 2: 150mg MEDI9314 (4) or placebo (2) as a single SC dose• Arm 3: 300mg MEDI9314 (6) or placebo (2) as a single SC dose• Arm 4: MEDI9314 (6) or placebo (2) as a single IV dose• Arm 5: 300300mg mg MEDI9314 (6) or placebo (2) as a single SC dose (Japanese subjects)• Arm 6: 450mg MEDI9314 (6) or placebo (2) as a single IV dose | <ul style="list-style-type: none">• Safety and tolerability• Pharmacokinetic and immunogenicity profile | <ul style="list-style-type: none">• FPCD: Q1 2016• LPCD: Q4 2016• Data readout: Q4 2016 |

Oncology

CVMD

Respiratory

Other



Other biologics

Autoimmunity

Approved medicines
 Late-stage development
 Early development - IMED
 Early development - MedImmune

Oncology

CVMD

Respiratory

Other

| Trial | Compound | Population | Patients | Design | Endpoints | Status |
|-------------------------------------|---|--|-----------------|---|--|--|
| Phase II/III NCT02200770 | Inebilizumab Anti-CD19 mAb (MEDI-551) | Adults with Neuromyelitis Optica and Neuromyelitis Optica Spectrum Disorders (NMO/NMOSD) | 212 (estimated) | <ul style="list-style-type: none"> Arm 1: inebilizumab 500mg IV Arm 2: placebo IV Open-label extension 300mg Global trial – 26 Countries | <ul style="list-style-type: none"> Primary: Time to attack Secondary: Attack rate, safety and tolerability | <ul style="list-style-type: none"> FPCD: Q1 2015 Data anticipated: 2020 |
| Phase I NCT02151110 Completed | Anti-CD40L (MEDI4920) | Healthy adults | 56 | <ul style="list-style-type: none"> Arm 1: 3mg MEDI4920 (2) or placebo (1) as a single IV dose Arm 2: 10mg MEDI4920 (2) or placebo (1) as a single IV dose Arm 3: 3mg MEDI4920 (3) or placebo (2) as a single IV dose Arm 4: 100mg MEDI4920 (8) or placebo (2) as a single IV dose Arm 5: 300mg MEDI4920 (8) or placebo (2) as a single IV dose Arm 6: 1000mg MEDI4920 (8) or placebo (2) as a single IV dose Arm 7: 2000mg MEDI4920 (8) or placebo (2) as a single IV dose | <ul style="list-style-type: none"> Safety, tolerability, and pharmacokinetics, anti-drug antibody, inhibition of T-cell dependent antibody response | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q4 2015 Data readout: Q2 2016 |
| Phase Ib NCT02780388 | | Adults with adult-onset rheumatoid arthritis | 54 | <ul style="list-style-type: none"> Cohort 1: 10 subjects randomised in a 4:1 ratio to receive 75 mg MEDI4920 (8) or placebo (2) as a single IV dose administered over at least 30 minutes Q2W Cohort 2: 14 subjects randomised in a 5:2 ratio to receive 500 mg MEDI4920 (10) or placebo (4) as a single IV dose administered over at least 60 minutes Q2W Cohort 3: 16 subjects randomised in a 3:1 ratio to receive 1500 mg MEDI4920 (12) or placebo (4) as a single IV dose administered over at least 90 minutes Q2W. Cohort 4: 14 subjects randomised in a 5:2 ratio to receive 1000 mg MEDI4920 (10) or placebo (4) as a single IV dose administered over at least 90 minutes Q2W | <ul style="list-style-type: none"> Safety, tolerability, and pharmacokinetics, anti-drug antibody, inhibition of T-cell dependent antibody response | <ul style="list-style-type: none"> FPCD: Q2 2016 LPCD: Q2 2018 Data anticipated: 2018 |
| Phase I NCT02780674 | Anti-ILT7 (MEDI7734) | Patients with Type I Interferon-Mediated Autoimmune Diseases: | 36 | <ul style="list-style-type: none"> Arm 1: 1mg MEDI7734 (3) or placebo (1) as a single SC dose Arm 2: 5mg MEDI7734 (6) or placebo (2) as a single SC dose Arm 3: 15mg MEDI7734 (6) or placebo (2) as a single SC dose Arm 4: 50mg MEDI7734 (6) or placebo (2) as a single SC dose Arm 5: 150mg MEDI7734 (6) or placebo (2) as a single SC dose | <ul style="list-style-type: none"> Safety, tolerability Pharmacokinetics and pharmacodynamics | <ul style="list-style-type: none"> FPCD Q3 2016 Data anticipated: H2 2017 |



Other biologics

Infections

Approved medicines
Late-stage development
Early development - IMED
Early development - MedImmune

| Trial | Compound | Population | Patients | Design | Endpoints | Status |
|--|---|---------------------|----------|--|---|---|
| Phase II EudraCT 2014-001097-34 | Anti-Staph AT (MEDI4893) | Intubated ICU | 285 | <ul style="list-style-type: none"> Placebo-controlled, single-dose, dose-ranging Route of administration: intravenous | <ul style="list-style-type: none"> Efficacy and safety | <ul style="list-style-type: none"> FPCD: Q4 2014 Data anticipated: 2018 |
| Phase IIb NCT02878330 | Anti-Respiratory Syncytial Virus mAb-YTE (MEDI8897) | 29-35 WK GA infants | 1,500 | <ul style="list-style-type: none"> Randomised, double-blind, placebo-controlled trial Route of administration: IM | <ul style="list-style-type: none"> Safety and efficacy | <ul style="list-style-type: none"> FPCD: Q4 2016 Data anticipated: 2018 |
| Phase Ib/Ila NCT02290340 Completed | | 32-35 WK GA infants | 89 | <ul style="list-style-type: none"> Randomised, double-blind, placebo-controlled, Dose-escalation trial Route of administration: IM | <ul style="list-style-type: none"> Evaluate Safety, tolerability, PK and ADA | <ul style="list-style-type: none"> FPCD: Q1 2015 LPCD: Q3 2015 Data readout: Q3 2016 |
| Phase Ia NCT02114268 Completed | | Healthy adults | 136 | <ul style="list-style-type: none"> Randomised, double-blind, placebo-controlled, Dose-escalation trial Route of administration: IV and IM | <ul style="list-style-type: none"> Evaluate Safety, tolerability, PK and ADA | <ul style="list-style-type: none"> FPCD: Q2 2014 LPCD: Q2 2014 Data readout: Q2 2015 |
| Phase Ib/Ila NCT02603952 Completed | Anti-influenza A mAb (MEDI8852) | Adults | 126 | <ul style="list-style-type: none"> Randomised, partial double-blind, single dose, active-controlled, dose ranging trial Route of administration: intravenous | <ul style="list-style-type: none"> Evaluate safety in adults with acute, uncomplicated Influenza | <ul style="list-style-type: none"> FPCD: Q4 2015 LPCD: Q4 2016 Data readout: Q4 2016 |
| Phase I NCT02350751 Completed | | Healthy adults | 40 | <ul style="list-style-type: none"> Double-blind, single-dose, placebo-controlled, dose-escalation trial Route of administration: intravenous | <ul style="list-style-type: none"> Evaluate the safety and pharmacokinetics | <ul style="list-style-type: none"> FPCD: Q1 2015 LPCD: Q1 2015 Data readout: Q2 2015 |
| Phase I NCT02255760 Completed | Anti-Pseudomonas A mAb (MEDI3902) | Healthy adults | 56 | <ul style="list-style-type: none"> Randomised, double-blind, placebo-controlled, dose-escalation trial Route of administration: intravenous | <ul style="list-style-type: none"> Evaluate the safety, tolerability, and pharmacokinetics | <ul style="list-style-type: none"> FPCD: Q3 2014 LPCD: Q1 2015 Data readout: Q2 2015 |
| Phase II NCT02696902 | | Intubated ICU | 429 | <ul style="list-style-type: none"> Placebo-controlled, single-dose, dose-ranging Route of administration: intravenous | <ul style="list-style-type: none"> Efficacy and safety | <ul style="list-style-type: none"> FPCD: Q2 2016 Data anticipated: 2021 |



Clinical trials appendix

Year-to-date and Q3 2017 Results update

