Introducing the IMED Biotech Unit

What science can do
At AstraZeneca, our purpose is to push the boundaries of science to deliver life-changing medicines. We achieve this by placing science at the centre of everything we do.
Our IMED Biotech Unit

We are committed to driving scientific advances in small molecules, nucleotides and other emerging technology platforms to push the boundaries of medical science.

Each year we invest in excess of $1 billion in discovering and developing the next generation of life-changing medicines, from initial target selection through to the end of Phase II trials. We employ over 2,300 scientists and undertake research on a truly global scale, operating vibrant science centres across three continents.

Partnering and collaboration is a way of life for our teams. We work alongside scientists at many of the world’s leading academic institutions to increase our understanding of disease physiology and help accelerate the translation of science into drug discovery and ultimately innovative medicines.

We are pioneering new approaches to Open Innovation, creating a more permeable research environment where our scientists can freely share their ideas and know-how, and collaborate on projects with the very best academic scientists. We remain committed to a culture of openness and will continue to identify innovative ways to connect the great science happening in our laboratories with the best external science from around the world.

We believe in the potential of ground-breaking science to transform the lives of patients. We do this by focusing on three key priorities:

- **Fostering a culture where science thrives**, one that is dynamic, agile and entrepreneurial
- **Creating an environment open for innovation**, where our teams work side by side with our academic and industry partners to make the next breakthrough
- **Challenging conventional thinking**, we encourage our people to apply scientific rigour by challenging the way we do things

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Mene Pangalos
Executive Vice President IMED Biotech Unit and Global Business Development

"This is an exciting time to be part of the Innovative Medicines and Early Development (IMED) Biotech Unit. Our IMED teams and their passion for science mean that we are now seeing our breakthrough discoveries translate into medicines which can improve the lives of patients with serious diseases, for which current treatments are limited. We are fuelling a world-class AstraZeneca pipeline across our main therapy areas: Oncology; Cardiovascular and Metabolic Diseases (CVMD); and Respiratory, Inflammation and Autoimmunity (RIA). By remaining committed to working openly and collaboratively with the best people and the best partners we are confident that we can gain a new understanding of disease to deliver life-changing medicines."

CRISPR (clustered regularly interspaced palindromic repeats) gene editing tool
Where science thrives

We are achieving scientific leadership through a dynamic, agile and entrepreneurial culture that feels like a biotech but has the resources of a major global pharmaceutical company.

Inspiring great scientists
Our commitment to scientific leadership rests on our ability to attract and retain the best scientists. Nowhere is this commitment more evident than in the way we recruit, develop and inspire our people. We want to attract the brightest minds, the best talent, the boldest innovators - people who share our passion for science and belief in the possible. In return, we offer a working environment that truly reflects our ambition to push the boundaries of science. A place where curiosity, innovation and collaboration flourish, where drive and determination is rewarded and where great science comes alive.

We believe that great science comes from diverse teams with different backgrounds and the vision for our workforce is that it reflects the diversity of our patient population. That’s why we are committed to creating an inclusive environment for our people.

Building our scientific reputation
We are entrepreneurs in science, pushing the boundaries of what’s possible each and every day. That’s why we have cultivated an environment of excellence together with a strong track-record of publications. Our entrepreneurial spirit gives our scientists the courage to take smart risks and not be discouraged by failure. We empower our scientists to not only keep abreast of the latest developments and breakthroughs, but to drive them.

Delivering a step change in R&D productivity and output
Since it was formed in 2010, the IMED Biotech Unit has helped deliver sustainable improvements in R&D productivity across AstraZeneca. We have improved our success rates from first time in human and successful completion of Phase III from 3.5 per cent to over 15 per cent - a clear improvement over the current industry average of four per cent. Even more importantly, this is translating into the delivery of new medicines, with drugs like olaparib, osimertinib and CAZ AVI having graduated to a successful launch.

Personalised Healthcare (PHC) is at the heart of our science based approach to drug development. We have invested heavily in the skills, partnerships and technology to achieve this, with 95 per cent of our small molecule pipeline and more than 80 per cent of our clinical pipeline now following a PHC approach.

>95%
of IMED projects with Personalised Healthcare approach

40high impact publications in 2016

$13.5Mgenerated from Open Innovation

$1Over $1 billion invested in scientific research each year

~2,300people with a passion for science

~1,000ongoing collaborations

>95%of women in senior scientific roles

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38%of women in senior scientific roles

Introducing the IMED Biotech Unit by numbers at end of 2016

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>95%of women in senior scientific roles
### Focusing on quality not quantity

The 5R framework emphasises quality rather than quantity in our R&D. That’s why a sixth critical factor is having the right culture.

#### Our 5R framework

<table>
<thead>
<tr>
<th>Right target</th>
<th>Right tissue</th>
<th>Right safety</th>
<th>Right commercial opportunity</th>
<th>Right patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strong link between target and disease</td>
<td>Adequate bioavailability and tissue exposure</td>
<td>Differentiated and clear safety margins</td>
<td>Differentiated value proposition versus future standard of care</td>
<td>Identification of the most responsive patient population</td>
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<tr>
<td>Differentiated efficacy</td>
<td>Definition of PD biomarkers</td>
<td>Understanding of secondary pharmacology risk</td>
<td>Focus on market access, payer and provider</td>
<td>Definition of risk-benefit for given population</td>
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<tr>
<td>Available and predictive biomarker</td>
<td>Clear understanding of pre-clinical and clinical PK/PD</td>
<td>Understanding of reactive metabolites, genotoxicity, drug-drug interactions</td>
<td>Personalised healthcare strategy, including diagnostics and biomarkers</td>
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### We call this our 5R framework

We have established a culture where our teams are ‘truth seeking’ in their behaviour and rigorous in their approach to asking the critical ‘killer’ questions. Rather than being rewarded for hitting the next milestone, our scientists are rewarded for thinking about what it would take to deliver a viable, differentiated medicine.

Both our IMED Biotech Unit teams and our Early Stage Portfolio Committee (ESPC) use this framework to ensure we are progressing the right projects, asking the right questions and making the right decisions at key review points throughout the drug development process.

Lessons learned from the fate of AstraZeneca’s drug pipeline: a five-dimensional framework Cook et al Nature Reviews Drug Discovery 13, 419–431 (2014)

### What science can do

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| Oncology tumour drivers – cell surface and lipid bilayer with receptor
|---|

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Our therapeutic focus

The future of treatment for many of today’s diseases lies in uncovering mechanisms that are newly emerging or are still to be discovered.

We believe the best way to help patients is to focus on breakthrough science to discover these mechanisms and develop novel, targeted therapies that interact with them. Our focus in the IMED Biotech Unit is on the following three main therapy areas:

**Oncology**

Our vision is clear. To help patients by redefining the cancer treatment paradigm and eliminating cancer as a cause of death. We aim to bring six new cancer medicines to patients between 2013 and 2020.

Our broad pipeline of next-generation medicines is focused principally on four disease areas: breast, ovarian, lung and haematological cancers. We have one of the broadest and deepest pipelines in the industry, spanning immuno-oncology, DNA damage response (DDR) and targeted therapies including cell death.

The practical delivery of personalised medicine remains critically important in driving clinical benefit and the great majority of our current projects are developing prospective patient selection strategies.

**Respiratory, Inflammation and Autoimmunity**

There are over 650 million people living with asthma and chronic obstructive pulmonary disease (COPD) around the world, with therapies limited to treating or avoiding symptoms.

Our robust portfolio of early targets has the potential to transform the treatment of respiratory disease. We have revolutionised our respiratory strategy with a focus on three core themes: lung epithelium, lung immunity and lung regeneration. Increasing our understanding of disease drivers forms the basis of our drug discovery programme and supports our vision to deliver disease modifying medicines that prevent, reverse or even cure these respiratory diseases.

**Cardiovascular & Metabolic Diseases**

We are committed to defining the new standard of care for the treatment of heart failure, diabetes and chronic kidney disease (CKD). We have built knowledge and invested in key technologies to develop both our pipeline and our level of scientific expertise, coupling this with a patient-centric approach aimed at better understanding the interplay and potential causal relationship between these diseases, which often present in the same patient. This is opening up unprecedented opportunities for novel treatment paradigms to help strengthen our pipeline with further differentiated drugs.

**Neuroscience**

We also pursue opportunity driven projects in Neuroscience.

We have made a long-term commitment to neuroscience, with ongoing investment to deliver life-changing medicines to patients with neurodegenerative diseases, chronic pain and addiction.

Our business model thrives on being dynamic and partly externalised, with a laser-like focus driving science within our key areas of interest. Early, flexible partnering with the brightest and best in the world allows us to combine knowledge and progress clinical development, while managing the challenges associated with neuroscience research.
Developing great scientists

We are driving diversity and inclusion to truly make the IMED Biotech Unit a great place to work. We believe that great science comes from diverse teams with different backgrounds and the vision for our workforce is that it reflects the diversity of our patient population.

Graduate programme

During a two year programme, graduates complete three placements across Innovative Medicines and Early Development, with a focus on breadth of experience. In addition to three placement line managers, graduates are supported by a mentor for the duration of the programme to offer career counselling and guidance.

As well as developing technical skills by working with world-class scientists using state-of-the-art facilities, all graduates are enrolled onto the Global Graduate Development Programme where the focus is on the softer skills required to make the successful transition into industry.

Thanks to the IMED graduate programme, I have gained experience from both IMED RIA and CVMD. Foremost, this has given me a comprehensive knowledge of drug development, but also a broad network of scientists. This has proven to be very valuable and continuously provides me with new ideas.”

Linn Strindhagen, IMED Graduate Scientist

Women as Leaders programme

As part of creating a diverse workforce we are committed to increasing the number of women in senior scientific roles. Since 2015 we have increased the number of women in senior scientific roles to 38 per cent and our aim is to further increase this going forward.

Our ‘Women as Leaders’ programme gives our female scientists a chance to come together to discuss issues such as career progression and personal development, with a view to increasing their awareness of opportunities and the confidence to pursue them. People that have attended the programme have seen a 30 per cent promotion rate and gained sponsors, coaches and mentors.

“We’ve made sure we have a balanced recruitment process, we’ve trialled blind screening of CVs to remove unconscious bias to gender. We also employ diverse panels for all our interviews. This helps us ensure we recruit the best person for the right role.”

Amy Taylor, Associate Director, Strategic Planning and Operations, ECD and Chairperson, Network of Women UK

Chief Scientist programme

As part of our drive for the best science, we are committed to working with the best scientists both inside and outside the pharmaceutical industry. To ensure that we are able to attract top science talent from academia, we have developed our flexible Chief Scientist Programme.

By tailoring individual arrangements to enable scientists to work with IMED Biotech Unit full time, part time, or on assignment from a university, we encourage a permeable research environment, meeting the needs of both the institution and individual.

Being flexible in our approach enables scientists of the highest calibre to stay connected to their research, their universities and to work flexibly between their commitments, while allowing us to connect with the best scientific minds to discover and develop new medicines.

“My secondment in IMED Communications has given me a great opportunity to learn new strategies, strengthen my network and push my boundaries. And because it is a part time assignment, I still get to do a job I love driving delivery for Oncology clinical projects.”

Melinda Foulk, Drug Project Information Manager, IMED Operations

Postdoctoral programme

The postdoc programme brings together motivated and innovative postdoc scientists who have a passion for great ideas and a desire to make a difference through an academic style postdoc position in a global pharmaceutical setting.

The two to three year programme funds postdoc projects originating from internal scientists/clinicians across the research areas and scientific disciplines within AstraZeneca. These projects address fundamental scientific challenges that underpin drug discovery and development. In addition, each postdoc scientist receives a tailored training and development programme encompassing key skills such as presentation delivery and publication writing.

Development Assignments

Continuous development of our people is high on our agenda and the majority of our development comes from on-the-job experience. From our Development Marketplace to cross-team secondments and shadowing opportunities, our programmes ensure we continue developing the skills and capabilities to equip our scientists to be the best they can be. Throughout 2016, we saw more than 60 colleagues take up assignments outside their core role to broaden their learning and experience.

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Leadership through collaboration

Our teams are leading the way in creating an open research environment that goes beyond the usual collaboration models.

We are always on the lookout for novel ways of working with others to advance medical science and speed up delivery of new medicines to patients. We continue to build our network of innovative collaborations with academic institutions, biotech and pharmaceutical companies in our main therapy areas. Our pioneering work in genomics has established a number of important collaborations including, Human Longevity, Welcome Trust Sanger Institute, Stratified Medicines Scotland and the Institute for Molecular Medicine. We have also forged partnerships on rapidly-evolving technologies such as modified mRNA, epigenetic drivers, bicyclic peptides and innovations in personalised healthcare – driving scientific progress across our entire portfolio.

We work flexibly with our partners in pursuit of breakthrough science:
- In-licensing new chemical modalities and platforms
- Sharing compounds to uncover novel target opportunities
- Working side-by-side with external scientists to better understand disease mechanisms sharing information, expertise and insight making our compounds available through Open Innovation initiatives

Partnering with the best academic and industrial scientists outside AstraZeneca is critical. Combining our strengths and resources with the expertise and knowledge of our partners will ultimately benefit patients.

Kumar Srinivasan, VP Scientific Partnering and Alliances, IMED Biotech Unit

With research facilities in a number of the world’s established and emerging scientific centres, we recognise the importance of leveraging our footprint to connect with the best external science, accelerating our scientific partnerships and alliances with leading academic and biotech partners around our sites as well as in other key locations across the globe.

Strengthening our focus on scientific leadership

Our Open Innovation partnerships with academic translational drug discovery centres and government-linked agencies include leading global scientific institutions, which help facilitate our interactions with prominent scientists.

Our partners include:
- United Kingdom: Cancer Research UK (CRUK) and the Medical Research Council (MRC)
- United States: National Institutes of Health (NIH) and the National Center for Advancing Translational Research (NIH-NCATS)
- Taiwan: National Research Program for Biopharmaceuticals (NRPB)
- Singapore: National Health Innovation Centre (NHIC)
- Australia: Universities of Queensland and Adelaide commercialisation units, UniQuest and Adelaide Research & Innovation

AstraZeneca has been very bold in making things available to academia, from talking to academia on their own terms, to learning from academia and gently teaching us about themselves. We feel we’re dealing with colleagues.

Sir Hugh Pelham, Medical Research Council Laboratory of Molecular Biology, UK

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Sir Hugh Pelham, Medical Research Council Laboratory of Molecular Biology, UK
Open Innovation

Our Open Innovation programme, designed to create a permeable research environment where scientists both inside and outside AstraZeneca can more freely share their ideas and collaborate on projects, has achieved great success.

Our Open Innovation portal makes it easy for external scientists to access our full range of Open Innovation programmes and find ways to advance medical science together:

- A compound bank of ‘patient-ready’ active and discontinued compounds
- A pharmacology toolbox of compounds with strong pharmacological properties
- A collaborative effort to validate new targets, which may include high-throughput screening
- Advanced cheminformatic capabilities to explore therapeutic potential of new molecules
- R&D challenges open to anyone willing to offer innovative solutions.

Since its launch in 2014, our Open Innovation programme has established a proven track record of success:

- Received over 400 proposals from scientists in 28 countries across four continents
- Formed 150 new partnerships, 90 per cent with academic scientists and 10 per cent with science companies
- More than 150 pre-clinical and 30 clinical studies initiated or planned, with our partners openinnovation.astrazeneca.com

Challenging convention

We are committed to ensuring that we contribute to scientific advances that will benefit patients. One of the ways we do this is through Open Innovation and externalisation.

Our Scientific Partnering and Alliances (SP&A) team work to strengthen our global partnerships with leading scientists from academia, biotech and pharma and seek opportunities to license our products.

In Respiratory during 2016, we announced a key licensing agreement with our partner Insmed for the global exclusive rights to AZD7986, a novel oral inhibitor of dipeptidyl peptidase I (DPP1). AZD7986 may decrease the damaging effects of inflammatory diseases, such as non-cystic fibrosis bronchiectasis, by inhibiting DPP1 and its activation of NSPs.
What science can do

Introducing the IMED Biotech Unit

Preclinical Biosensors
To enhance the impact of current online data monitoring, our teams have been exploring the possibilities within the rich data source provided by sensor technology and wearable devices. Incorporating biosensor technology into our pre-clinical studies will allow us to change current practice, improve translation and safety read-outs, while reducing the number of animal studies. Current technology allows measuring the body’s vital signs using health patches but our team recognises the true value for pre-clinical monitoring lies with invasive biosensor technology. In the future, developing pre-clinical sensors that monitor drug exposure and biomarkers of safety and efficacy will have the potential for clinical use – providing online biosensors for patients, and hence changing the status quo for patient care.

iDecide
iDecide is a clinical informatics research and development framework enabling early and better decision-making in clinical studies. In collaboration with the Manchester Cancer Research Centre (MCRC), iDecide is designed to integrate, maintain and assess data during an ongoing study utilising real time feedback from patients. Leveraging this patient-centric information in a timely manner enables appropriate adjustment to clinical trial design, saving resources and time while helping us investigate the right dose, of the right drug to the right patient.

Digital IMED
The wealth of ‘big data’ in healthcare is revolutionising our approach to research and development. We are already seeing how the next generation of medicines are being shaped by our ability to capture, interpret and apply data. Combining insight from clinical health records with large-scale genomics data is enabling scientists to better predict disease outcomes in the clinic. Our team has been investigating the possibility to connect multiple data stacks from anywhere and of any type, from proprietary data to real world evidence, even social media platforms. This data stack would truly allow us to map 360 degree views of patient journeys and gain understanding of the interplay between ‘nature’ (from genetic information) and ‘nurture’ (environmental data e.g. smartphone/sensor data) to make breakthroughs in science and ultimately patient care.

Preparing for the future with our IMED Futures teams

Delivering the next wave of life-changing medicines requires a new way of thinking. To ensure the IMED Biotech Unit remains at the cutting-edge of scientific innovation, we established our IMED Futures programme.

Advanced Drug Delivery
Improved understanding of the physiological barriers to efficient drug delivery has resulted in significant advances in delivery systems. This, coupled with novel analytical and imaging techniques allow for even more sophisticated delivery systems opening up new target space. Our team is looking to improve efficacy by enhancing our targeting capabilities to allow delivery of both small molecules and oligonucleotide therapeutics – miRNA, mRNA and antisense.

To do this our team is focused on cellular targeting, improving cellular uptake and enhancing drug delivery, and other new modalities. In the latter case, we have a co-exclusive license with Pfizer for access to the BIND Therapeutics ACCURINS® polymeric nanoparticle technology and with Starpharma for exploring their dendrimer technology platform. Both these technologies can improve therapeutic index and ability to formulate challenging molecules.

iLead in Lead Generation
Focused on creating a capability that enables our scientists to follow the science and work on any therapeutic target mechanism irrespective of its tractability. We aim to make ‘undruggable’ targets ‘druggable’ by developing strategies that explore next-generation approaches to small molecule hit identification and the application of peptides and cyclic peptides as novel therapeutic modalities.

Organs on a Chip
Microphysiological systems (MPS) are miniaturised models that combine engineering and biology to generate organ function in vitro to emulate human biology at the smallest acceptable scale. MPS models enable scientists to link organs together and discover key factors involved in organ cross-talk that drive particular disease phenotypes – generating data with a high likelihood of clinical translation and offering a real alternative to the use of animals in drug discovery. Our team is collaborating with some of the leading experts in the world at TissUse, Emulate, Harvard and Vanderbilt Universities.
Our people, skills and values

In pushing the boundaries of science, we continue to harness our unique mix of scientific skills and capabilities, by providing our people with the tools they need to deliver industry-leading R&D performance.

We know that we need people with a burning passion for what science can do. When you visit an IMED Biotech Unit site, you will meet people who are inspired by science and its capacity to transform the lives of patients. You will notice the pride our people have in what we’ve achieved; the breakthroughs we’ve made, the medicines we’ve developed and the lives we’ve helped to transform. Our people are passionate about their work. They are also creative and entrepreneurial with a relentless drive to translate the great science happening in our labs into the next generation of medicines to transform disease.

We continue to welcome more talented colleagues to our team, including accomplished scientists, respected academics and new graduates. They come for many reasons – the commitment to great science, the opportunity for personal development, the open culture, the inspiring values, the chance to be part of something life-changing. Whatever the reason, they have joined a truly great place to work.

Interested in joining the IMED Biotech Unit?
Go to AZ.com and select careers

Key skills and capabilities in the IMED Biotech Unit

Translational science and biology
Our translational expertise enables us to accelerate the development of new ‘druggable’ targets in human disease and select the right patients in early clinical trials. By analysing disease tissue and applying bioinformatics approaches we are able to support the identification and validation of targets regulating biological processes. Our Early Clinical Development team specialises in interpreting quantitative data using the latest model based drug development techniques and technologies.

Clinical development
Our Early Clinical Development team designs and delivers development strategies and clinical studies that build the credentials of novel targets. The place where our science meets the patient, our early clinical development determines whether a promising compound is good enough to progress to the large Phase III trials that inform final regulatory approval decisions and ultimately whether patients can begin accessing a new treatment.

Discovery sciences
Our leading High Throughput Screening capabilities ensure we can develop and deliver novel reagents and high quality assays to support efficient and effective pre-clinical drug discovery and biomarker development in later clinical phases. In parallel to this, we use our screening capabilities to provide project teams with mechanism of action, biology, safety and drug metabolism and pharmacokinetics (DMPK) insights across lead generation and lead optimisation projects, while our structure and biophysics group use protein structure and biophysics to understand the relationships between target protein and chemical space.

Drug safety and metabolism
By following the science and combining our expertise with that of our external partners, we apply our drug metabolism and pharmacokinetics (DMPK) expertise with discovery safety capabilities to ensure our teams accelerate the discovery and development of safe new medicines across our focus areas.

Medicinal Chemistry
Our medicinal chemistry capabilities enable us to integrate structural, pharmacological, pharmacokinetic and toxicological information to support the innovative design of novel chemical compounds. Pushing the boundaries of medicinal chemistry enables the delivery of new candidate drugs into our pipeline and is the foundation of small molecule drug discovery across the company. We also work on next-generation devices and delivery through our pharmaceutical development group.

Pharmaceutical Sciences
Pharmaceutical Sciences ensures we implement intelligent design of medicines and delivery systems. By focusing on three priority areas, Early Chemical Development, Early Product Development and Advanced Drug Delivery, the team supports formulation and delivery for our portfolio across the main therapy areas, from early discovery to Phase Ib clinical trials. The group is closely involved with project teams to influence the design of new molecules and early clinical trials and specialise in cutting-edge drug delivery system technology to support our ever expanding drug platforms and modalities.

Introducing the IMED Biotech Unit
Our thriving science centres

**UK – Cambridge**

In 2013, AstraZeneca announced plans to move its UK research activities to a new $500 million facility in the centre of Cambridge. Our new facility at the Cambridge Biomedical Campus will become AstraZeneca’s largest centre for Oncology research, as well as hosting scientists focused on Cardiovascular and Metabolic Diseases (CVMD); Respiratory, Inflammation and Autoimmune Diseases (RIA); and conditions of the central nervous system.

AstraZeneca’s registered address has now moved to the Cambridge Biomedical Campus, 1 Francis Crick Avenue, which marks a key point in delivering our science-led strategy. The construction of the new R&D centre and corporate headquarters continues and the growing Campus will successfully create an optimum environment for emerging businesses to thrive.

**UK – Macclesfield**

Our Macclesfield site is an important hub for AstraZeneca and the second largest pharmaceutical manufacturing site in the world. A centre of innovation, science and high-tech manufacturing, it’s a place where molecules are turned into medicines and is home to the Pharmaceutical Sciences team, which joined the IMED Biotech Unit in 2016. With large-scale lab facilities, the site hosts cutting-edge technology to enable intelligent design of medicines and delivery systems.

Seven miles away at Alderley Park, now owned by Manchester Science Partnerships, we retain a small number of IMED scientists until the R&D exit of the site is complete and colleagues join together in our new Cambridge facility.

**US – Boston**

Boston is home to AstraZeneca’s small molecule research in North America, with state-of-the-art laboratories, just west of the city centre. Our scientists focus on the discovery and development of new medicines for Oncology and conditions of the central nervous system, in collaboration with other functions from across IMED.

Creating vibrant Biohubs

Our BioHubs offer an energising environment enabling cross-fertilisation of ideas.

**Sweden – Gothenburg**

Our strategic R&D centre in Gothenburg is the centre of our research for two of our main therapy areas: CVMD and RIA. It is also home to a large number of our scientists from our early phase Discovery Sciences team and our Drug Safety and Metabolism (DSM) team. In addition to this we have teams from IMED Operations, Scientific Partnering & Alliances, Early Clinical Development (ECD) and Personalised Healthcare and Biomarkers (PHB).

During 2016 we also welcomed a new function, Pharmaceutical Sciences.

**China – Shanghai**

Our small molecule research facility in China is located at the Zhangjiang High Tech Park in the Pudong area of Shanghai. Our research teams here focus on discovering potential new medicines that meet the unique needs of patients in Asia and drive forward translational science across our main therapy areas.