

Imperial College  
London

A photograph of three scientists in a laboratory setting. They are all wearing blue safety goggles and are looking intently at a computer monitor. The scientist on the left is a man with dark hair, wearing a white t-shirt. The scientist in the middle is a woman with long brown hair, wearing a red and black patterned top. The scientist on the right is a man with dark hair, wearing a blue shirt. They are surrounded by various pieces of laboratory equipment, including a green microscope and other instruments. The background is slightly blurred, showing more of the lab environment.

**ANNUAL  
FUNDRAISING  
REPORT**

1 AUGUST 2014–31 JULY 2015



# Welcome

**The generosity, experience and expertise of our alumni and friends are among our greatest assets. Whether you gave financially or volunteered your time, we are grateful for your support. It enables us to fulfil our mission — to achieve enduring excellence in research and education in science, engineering, medicine and business for the benefit of society.**

Last year, over 5,500 people made a donation to Imperial — more than in any previous year, and continuing a trend that has seen the number of donors more than double since 2009. I am thrilled that a growing number of you are inspired to invest in our plans for the future. This report highlights the many ways that Imperial has benefited from your support.

Spending time with students is one of the things I enjoy most about being President. Their enthusiasm for learning and their academic excellence energise the entire College community. Your generosity enables us to offer scholarships to attract and support the brightest undergraduate students, regardless of their financial backgrounds. Our PhD scholarships bring the most talented doctoral researchers to pursue world-leading research with our outstanding academics. The rich university experience they enjoy includes the best academic environment along with excellent sporting, musical and social opportunities at Imperial. Our students develop talents beyond their studies, preparing them for successful lives, wherever their ambitions take them.

Your support helps our students in other ways. In our *Strategy 2015–2020*, we commit ourselves to prioritising the mental wellbeing of our students, recognising this as a prerequisite to academic success. Your generosity helps us to ensure that students who need help to manage stress, anxiety and depression receive the additional support they need to thrive at Imperial.

Travel and research awards provide the means for our talented students to collaborate with the best colleagues in the world. Our Strategy also

reasserts the importance of collaboration and multi-disciplinary approaches to the grand challenges we face. It is heartening to see how our flourishing research benefits from partners around the world.

The work of Professor Matthews and his team in the Division of Brain Sciences is an inspiring example of how philanthropy can fuel scientific discovery (p10–12). Supported by a major donation, Professor Matthews is developing new brain-scanning techniques that could be used to identify the early signs of Alzheimer's disease, long before the condition becomes symptomatic. In the future, these advances could lead to better testing of treatments and effective screening for Alzheimer's.

New developments at our South Kensington and White City Campuses give us the space and infrastructure to realise our ambitions. On both sites, philanthropy is playing a transformative role. At South Kensington, an exceptionally generous gift created the Dyson School for Design Engineering. The first group of 43 design engineering students are well on their way to brilliant futures as innovative designers. Another generous gift will make possible the construction of a new testing facility for aerial robotics (p12–15). Research and teaching made possible through these developments is establishing Imperial's place at the forefront of these emerging fields. At White City Campus, a £40m gift from Sir Michael Uren is enabling the construction of a new biomedical engineering research centre that will form the centrepiece of a new campus for health and wellbeing research and innovation.

You will see in the pages that follow that your generosity has lasting impacts on both our educational and research mandates. It enables Imperial to do great things for our students and for the world.

Thank you again for your support.



*Professor Alice P. Gast  
President of Imperial College London*

*Alice P. Gast*

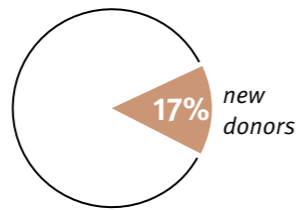
# The year in numbers

In 2014–15, a record-breaking 5,580 alumni and friends from 73 countries around the world donated to Imperial. Your generosity contributed over £31 million in support of cutting-edge research, transformative campus development and life-changing scholarships. Every donation, whatever its size, makes a vital contribution. Thank you for your interest in our mission and support for our work.

## Team effort

### 5,580 donors

donated to support the College in 2014–15, setting a new record for the number of people giving in a single year.



#### 942 new donors

Welcome to everyone who donated for the first time in 2014–15. You join a thriving community of support.

#### Alumni give 477%

Donations from alumni rose to £4,202,955, up 477% on the previous year.

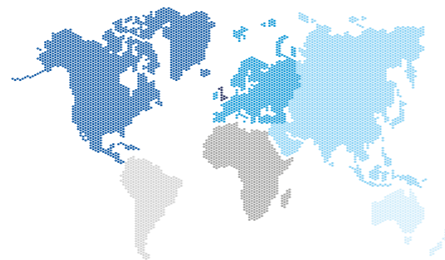
### 1,469 volunteers

gave their time, knowledge and experience, an increase of 10% during 2014–15. Thank you for participating in Imperial's continued success.

## Global reach

This year we received donations from every corner of the world, from Macedonia to Macau. Wherever you're based, thank you for your generous support.

- 4,353 United Kingdom
- 496 North America
- 356 Europe
- 243 Asia
- 93 Oceania
- 22 Africa
- 17 South America



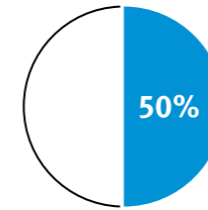
#### Volunteers from 62 countries

Imperial's alumni volunteer in 62 countries around the world, creating a powerful global community.

## Real impact

# £31,409,955

Together, the Imperial community raised over £31 million for education, research and campus development. Thank you.



### £100 or less

Half of all gifts made in 2014–15 were for £100 or less. Every gift, whatever its size, makes a difference.

### £595,738

raised for the President's Scholarship Fund.

### 112

#### 112 undergraduate scholarships

were bestowed — helping us to inspire and attract the brightest students, regardless of their background.

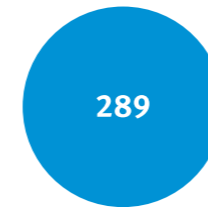
### 50

#### 50 doctoral students

were supported through the Imperial College PhD Scholarship Scheme — providing opportunities for the best young researchers.

## Virtuous circle

**The Imperial 1851 Circle,** which recognises those giving £1,000 –£5,000, saw 289 people join.



**The Imperial 1907 Circle,** recognising those giving £5,000 or more a year, had 78 people join.



### £3,167,189

#### pledged in legacies

We are grateful to all those who pledged a gift in their will — securing over £3 million for the College's future.

## How your donations will be used

Philanthropic support from alumni and friends strengthens our research and education programmes, enabling us to maintain our position as a world-class university. Thank you for investing with us in our students, our research and our campus facilities.

Research and academic posts  
**£21,135,952**

*Includes gifts made to the Schistosomiasis Control Initiative*



Student support and experience  
**£8,621,168**

Campus development  
**£1,652,875**

# In the news

The impact of philanthropic giving was felt across the whole College community during 2014–15. Here we profile some of the major philanthropic stories from the year.

## 1 / Designing the twenty-first century

A gift of £12 million from James Dyson and his Foundation, announced in March 2015, established the Dyson School of Design Engineering — the first new engineering department to be created at Imperial in two decades. Combining the best of technical expertise with creative spirit, the School will educate a new generation of engineers ready to meet the design challenges of the twenty-first century. The School will be housed in the former Post Office on Exhibition Road — an iconic building on one of London’s best-known streets.

## 2 / Autism insights

A gift of £1.3 million from the Kristian Gerhard Jebsen Foundation enabled a four-year study that aims to open a new window onto environmental causes that may contribute to the development of some forms of autistic spectrum disorder.

## 3 / New connections

Imperial welcomed Sarah Porter Waterbury as its first Vice-President for Advancement, with responsibility for fundraising, alumni relations and events. Building strong relationships with alumni and friends is one of Imperial’s strategic priorities for 2015–20.

## 4 / Warm welcome

The College welcomed over 350 donors and friends for the biggest-ever celebration of giving. Interactive exhibition stands give donors the chance to learn about current research at Imperial and to meet academic staff from across faculties.

## 5 / Concrete win

PhD student Charikleia Spathi won the first Althea-Imperial prize in April 2015 for her idea of a waterproof concrete additive to make buildings less vulnerable. The prize forms part of a three-year initiative to encourage innovative and entrepreneurial women students, supported by a philanthropic investment of \$100,000 from the Althea Foundation.

## 6 / Ground breaking

Work began on the Translation & Innovation Hub at Imperial’s new White City Campus. The Hub is a multidisciplinary research space for 1,000 scientists and engineers and is the first academic building to be constructed on the northern site of the Campus. Other planned developments include the Molecular Science Research Hub, a new home for the School of Public Health and the Michael Uren Biomedical Engineering Research Hub.

## 7 / Class act

A fundraising campaign celebrating the 50th anniversary of the class of 1964 raised £520,000 to create a new endowed PhD scholarship. Thirty alumni donated to the campaign.

## 8 / Flying start

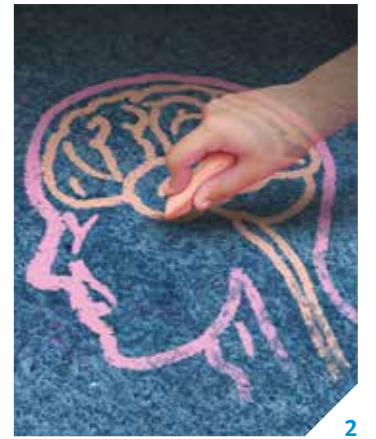
Research into flying robots received a boost thanks to a £1.25 million donation from alumnus Brahmaj Vasudevan (Aeronautical Engineering 1990). The gift will be used to create a new test flight facility. Read more about the humanitarian applications of flying robots on pages 12–15.

## 9 / Flexible funding

In May 2015 Imperial announced a generous gift from Mrs Marit Mohn (Chemical Engineering 1973) which creates two new PhD scholarships in the Department of Chemical Engineering. The new scholarships are in addition to an existing scholarship that was created in 2011. Professor Jeff Magee, Dean of the Faculty of Engineering, said: “Philanthropic support for scholarships is hugely important. It gives us the flexibility to recruit the very best candidates in priority research areas, or in important fields that are relatively underfunded by public money.”



→ The Dyson School of Design Engineering was launched in March 2015 by George Osborne, the Chancellor of the Exchequer, and inventor and industrial designer Sir James Dyson.



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Guests at the 2014 Thank You Celebration were able to meet academic staff and learn more about the latest research at Imperial.

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Due for completion in 2016, the new Translation & Innovation Hub will provide 23,000 m<sup>2</sup> of cutting-edge research facilities.



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# Thank you for supporting scholarships at Imperial

Your generosity enabled us to award 112 undergraduate scholarships this year — enabling us to inspire and attract the brightest students, regardless of their financial backgrounds. Thanks to your support, we were also able to continue to provide scholarships for the most talented doctoral researchers.



“I'D LIKE TO SAY A BIG THANK YOU FOR SUPPORTING SCHOLARSHIPS AT IMPERIAL!”

**A President's Scholarship gave Biochemistry undergraduate Heather Jeffery the financial means to pursue her love of music, alongside her scientific studies:**

“While researching potential universities to attend, finance was an important consideration — especially given the high cost of living in London. The financial assistance provided by my scholarship enabled me to make the most of the wonderful opportunities that are on offer here at Imperial. As well as helping with accommodation costs, it ensured that I could continue my violin lessons, which was a huge help in achieving my ABRSM diploma this summer.

I am now in my final year and busy making plans for the future. I hope to study for a PhD in molecular biology. My research placement showed how many questions remain unanswered about genetic factors in the development of disease, and I would love to be part of this exciting process of discovery.”



“THANK YOU FOR SUPPORTING SCHOLARSHIPS. YOUR DONATIONS GIVE PHD STUDENTS LIKE ME THE CHANCE TO BECOME THE BEST IN OUR CHOSEN FIELD — AND TO MAKE A DIFFERENCE THROUGH OUR RESEARCH.”

**Niklas Neumann is an Imperial College PhD Scholar in the Business School researching the effectiveness of policies to stimulate lending after the financial crisis. Niklas is grateful for the academic freedom that his scholarship has given him:**

“My research looks into whether policies introduced after the financial crisis to encourage banks to lend more have worked as planned — or whether banks are taking advantage of these policies without providing more funds to the economy.

Thanks to my PhD scholarship, I've had greater freedom to pursue my research. The financial support I receive enabled me to establish a research collaboration with the German Central Bank and travel to Frankfurt every month to access their unique data set. Without my scholarship, that wouldn't have been possible.

Imperial College Business School is an outstanding institution, situated in one of the world's great financial centres. I'm grateful to all those who have made this opportunity possible through their support for the President's Scholarship Fund.”



“MY FRANCIS WARNER AWARD ALLOWED ME TO VISIT PARIS TO WORK WITH PROFESSOR BEN WANDELT AND DR GUILHEM LAVAUX — TWO OF THE WORLD'S LEADING THEORETICAL COSMOLOGISTS.”

**Justin Alsing is studying for his PhD in Astrophysics. The financial support of a Francis Warner Award enabled him to travel to Paris to collaborate with some of the leading minds in the field:**

“During our weeks together, we developed a method that could shed new light on dark energy, one of the great mysteries in cosmology and theoretical physics today. Our work solved a number of sticky problems and is already causing a stir in the academic community. Without the bringing together of minds enabled by this visit, these problems would undoubtedly remain. For me personally, the Award has widened my horizons and bolstered my career prospects. I learned more than I could ever have imagined on this research visit, and for that, I am immeasurably grateful.”

*Justin's research trip to Paris was made possible thanks to a generous gift from Mrs Jean Warner, who created the Francis Warner Award to honour the memory of her husband, Francis (Mathematics 1954). Two Awards are made each year, offering assistance with travel and research project costs for postgraduate students in statistics and astrophysics.*

# Tackling global challenges

Philanthropy fuels research collaborations that unite Imperial's core strengths in science, engineering, medicine and business, to find answers to the world's greatest challenges. In these pages you can learn more about the impact of philanthropy on Alzheimer's disease research, flying robots and the control of parasitic diseases like schistosomiasis.

## Hope for early Alzheimer's diagnosis

**People at risk of Alzheimer's disease could find out if they have signs of the condition in middle age, thanks to philanthropically-funded research at Imperial College London.**

A generous gift from Lily Safra and the Edmond J. Safra Foundation is enabling a team of researchers from the Faculty of Medicine to work on cutting-edge brain imaging techniques that could offer early screening and a more sensitive means of testing new treatments for the disease.

Professor Paul Matthews is Edmond and Lily Safra Chair and Head of the Division of Brain Sciences at Imperial College London. His career spans both academia and industry, and has focused on integrating medicine, life sciences and physical sciences to develop and exploit innovative brain imaging techniques to bring meaningful benefits to patients and their loved ones.

Professor Matthews said: "What Imperial does really well is to put large, multidisciplinary teams together to work on big problems, such as how to treat the degenerative brain diseases that will affect many of us as we get older."

Neurodegenerative diseases, including Alzheimer's, Parkinson's and multiple sclerosis, are a major area of interest for the Division. While the signs and symptoms of these diseases are, sadly, familiar to most of us, there are still aspects that are not well understood by scientists and clinicians.

Recently, Professor Matthews and his team of researchers have been working on new approaches to identifying people at very high risk of developing Alzheimer's disease a decade or more before symptoms arise. This work involves synergy between many researchers and complementary methods, enabling a better and more detailed understanding of patients and their symptoms. Brain scans sensitive to early changes associated with disease, and a new technique that can map drug molecules in the body, are in development.

Professor Matthews said: "We now recognise that Alzheimer's disease actually starts decades before any symptoms show up. In some cases, this could be as early as when someone is in their forties, or perhaps even earlier."

People over a certain age are already offered screening for breast cancer, bowel cancer and prostate cancer; Professor Matthews believes that it should be possible for everyone to understand their risk for Alzheimer's disease early enough to do something about it before it causes any symptoms.

Using state-of-the-art imaging techniques will enable the rapid detection of evidence of early disease. This involves combining magnetic

**“WE NOW RECOGNISE THAT ALZHEIMER'S DISEASE ACTUALLY STARTS DECADES BEFORE ANY SYMPTOMS SHOW UP.”**



↑ Professor Paul Matthews is Edmond and Lily Safra Chair and Head of the Division of Brain Sciences.

resonance imaging (MRI) and positron emission tomography (PET) scanning. MRI provides a picture of the physical injury to the brain and PET provides images that indicate the presence of the causes of injury in the brain, as well as targets for drugs.

MRI can, for example, be used to measure the size of the hippocampus — a part of the brain that is responsible for memory. This decreases in size in people with Alzheimer’s. People at risk of Alzheimer’s can be followed, with images taken at regular intervals over their lifetime, to see whether they show injury and abnormal shrinkage in this sensitive part of the brain, even before they suffer any memory problems.

At the same time, PET can show us where the causes of injury in Alzheimer’s, including amyloid protein, are building up. Scientists at Imperial are also using PET to test for inflammation around the amyloid protein, which is believed to add to the damage.

As well as providing a screening process, this novel, integrated imaging technique has the potential to improve the way scientists search for new treatments.

Professor Matthews said: “Developing treatments for Alzheimer’s has been very difficult because the trials have to be very large and long in order to establish whether a drug is effective. These new imaging methods promise more sensitive ways of testing whether a drug might work.”

Earlier intervention and better treatments spell a much brighter future for our ageing population. And that is thanks to cutting-edge brain imaging research at Imperial College London.

*A generous donation of £3 million from Lily Safra and the Edmond J. Safra Foundation provides essential funding for research into neurodegenerative conditions at Imperial. This significant investment in neuroscience research at Imperial offers Professor Matthews and his team the flexibility to pursue high-risk, high-return science that will open up new directions in the fight against Alzheimer’s and other neurodegenerative diseases of the brain.*

## Drones for humanity

**Imperial’s world-leading research into aerial robots is gaining momentum, thanks to a £1.25 million gift from alumnus Brahma Vasudevan (Aeronautical Engineering 1990). These small autonomous aircraft – also known as drones – have the potential to change the way humans operate, and could become as revolutionary as the Internet.**

Researchers at Imperial are developing numerous cutting-edge applications for drones to meet the needs of our changing world. The devices could be especially game-changing for remote communities in the developing world, which could soon benefit from drones that deliver vital supplies such as blood and medicine.

Dr Mirko Kovac, Director of the Aerial Robotics Laboratory at Imperial, said: “Our work begins with a social, environmental or economic challenge. We design and build robot technology that can solve real-world problems.”

### Environmental monitoring

Some of the problems that Dr Kovac is looking to solve are in the field of environmental monitoring, including in rainforests where drones can check for pollution or for signs of wildfire outbreaks.

Environmental monitoring is also carried out in cities. Ordinarily, this would require thousands of sensors placed, for example, high up on buildings. With a team of drones, a whole city could be covered by, say, 100 robots that could constantly circulate and take samples.

As well as monitoring air quality to provide information to citizens and local authorities, drones could also be used to detect road traffic accidents and other incidents that might require intervention. Dr Kovac sees this as an important aspect of our burgeoning ‘smart cities’ — urban areas that are constantly monitored, networked, and can respond in real time to changes in the environment.

### Humanitarian disasters

In the case of a humanitarian disaster, such as an earthquake or tsunami, aerial robots can quickly reach places that human beings cannot. In fact, they have already been put to work to monitor the damaged nuclear power plant at Fukushima, when levels of radiation were a great risk to human investigators.

The terrain in a disaster zone can be tremen-

**“WE DESIGN AND BUILD ROBOT TECHNOLOGY THAT CAN SOLVE REAL-WORLD PROBLEMS.”**



Dr Mirko Kovac,  
Director of the  
Aerial Robotics  
Laboratory.



The research of the Aerial Robotics Laboratory focuses on the design, fabrication and testing of next-generation flying robots and it employs biological inspiration as a key design methodology to achieve high performance systems.

dously difficult to navigate. Dr Kovac and his team are looking into technology that will allow drones not only to survey the site of a disaster from the air, but also to land so that they can take measurements or carry out repairs. Dr Kovac says: “It is not a case of tweaking or repurposing an existing device. We’re allowing ourselves to be creative and look around at nature as well as at existing engineering to seek inspiration. This encourages us to do fundamental and applied research in tandem, and we’re getting results that can make a difference to many of the challenges we face as human beings.”

The robots that Dr Kovac’s team is working on can be anything from the size of a butterfly, up to two or three metres across. They are also capable of working together in coordination with each other.

One area of early-stage research is using knowledge about the movement of flying fish to design new robots that have the capacity to move freely between air and water. These aerial-aquatic robots will be able to navigate extremely complex

environments where water and land intersect, for example following a flood or a tsunami. Dr Kovac’s team is also working on robots that can operate on land, in the air and under water, taking inspiration from sea birds that dive down into the water to catch fish and then emerge and take off into the air with their catch.

It is possible to attach many different devices to aerial robots, as long as the load is not too heavy for the size of the craft. The concept of 3D printing is inspiring some of these attachments. Under development are drones that act as 3D printing heads that are able to lay down cement or other liquid materials that dry to become solid after being exposed to the air. There are a number of applications, for example carrying out repairs to remote pipes, such as the gas pipelines that cover vast distances in Russia and the USA. They can also enter disaster zones carrying cement to 3D print emergency shelters, which could be assembled far more rapidly than anything requiring transportation of materials by road.

#### Logistics in under-developed areas

In 2017, in partnership with the architect Norman Foster, Dr Kovac’s team will be building and testing medical delivery drones that will be integrated with drone ports in Rwanda. This will form a community hub, which includes a logistics function, delivering items, including blood and other medical supplies, to places that can be difficult to access by motor-cycle.

Dr Kovac said: “As well as a central station for delivery drones, the hub will be a resource for the community. Local people will be able to use 3D printers and other equipment to modify robots for new applications. The possibilities are endless!”

An aerial drone can collect and deliver urgent supplies to remote medical centres much faster than any road transport because they can essentially fly in straight lines. It doesn’t matter if there is a lake between a supply of donated blood and a hospital where someone is being treated following an accident, the drone can still get there by the fastest ‘as the crow flies’ route.

#### Preparing the next generation of engineers

Robots are likely to become an increasingly important part of smart cities, environmental monitoring and our response to humanitarian disasters. This means that there is a need for individuals with the knowledge and skill to work in what is now a rapidly growing field.

Final-year undergraduate students, studying within Imperial’s aeronautics degrees, are introduced to aerial robotics and its associated disciplines.

Kovac said: “This kind of hands-on experience is invaluable to our students. Learning theory is important, but being able to use engineering principles to design, build and test a prototype is transformative for students.”

*Imperial’s position as a leader in aeronautical engineering is set to be cemented thanks to a £1.25 million gift from alumnus Brahmil Vasudevan (Aeronautical Engineering 1990), which will enable the construction of a new flight arena on Imperial’s South Kensington Campus. The equipment at the new Brahmil Vasudevan Aerial Robotics Lab will enable students and academics to develop and test new prototype robots. Work on the new Lab is set to begin in 2017. Mr Vasudevan said: “Aerial robotics didn’t really exist as an area of serious research when I was a student at Imperial in the 1980s. The advances that have been made since then are impressive. I was honoured to be able to lend my support to this exciting area of research, which has such potential to benefit humanity.”*

## Better health for the children of Madagascar



**Madagascar, although mostly known for its unique fauna and flora, is one of the poorest countries in the world. In some areas, 100% of school-age children are infected with schistosomiasis, a waterborne parasitic disease that causes internal organ damage, fatigue and long-term poor health. The disease is common in areas with limited access to clean water and sanitation facilities.**

In 2014, the Schistosomiasis Control Initiative (SCI) began working with the Madagascan government to put in place a programme to control neglected tropical diseases like schistosomiasis. Thanks to support from generous donors, the SCI was able to launch a mass treatment programme in September 2014. In its first 12 months, the programme treated children in six districts. Now in its second year, the programme will expand to reach nearly 1.3 million children — half of the entire school-age population in need of treatment.

SCI Programme Manager Peter Jourdan, a medical doctor with a PhD in schistosomiasis, has been instrumental in establishing the treatment programme in Madagascar. Delivering a programme funded by donations is a great responsibility, he says. “Our work is funded by donations, and we need to ensure every penny is spent effectively. Comprehensive planning and stringent tracking of progress and impact have enabled us to treat those in need, and to live up to the trust our donors put in our work.”

The programme in Madagascar is entirely funded by donations. In 2016, the SCI hopes to raise a further £350,000 to fill the current funding gap to enable treatments to continue through 2017 and beyond.

Schistosomiasis is caused by a parasitic worm that lives in the host’s blood vessels. The SCI works with governments in sub-Saharan Africa to run mass treatment programmes for schistosomiasis and soil-transmitted worm infections — parasitic diseases that are having a devastating effect on the health of over 1.4 billion people in some of the world’s poorest countries.



# Your support enriches the student experience. Thank you.

**Your generosity enables us to enrich the student experience by providing additional activities, services and support outside formal study. Thank you for supporting our students to develop wider talents and to be successful.**

In 2015, we expanded the choice of projects that you can support at Imperial, including introducing a new option to give to an individual faculty. The response was amazing, with over 1,500 people choosing to donate to the faculty of their choice. Your generosity has helped to kick-start new research, to aid students in financial need and to broaden academic horizons through travel.



**“YOUR SUPPORT ENABLED ME TO SPEND THE SUMMER AT MIT, WORKING WITH PROFESSOR ROBERT WEINBURG, ONE OF THE WORLD’S LEADING CANCER RESEARCH EXPERTS. THANK YOU.”**

## Realising potential

**Thanks to your generous support for the Dean’s Fund, the Faculty of Natural Sciences was able to award 15 travel bursaries in 2014–15, enabling talented students like Anastasia-Maria Zavitsanou (Life Sciences) to broaden their research horizons and expand their professional networks.**

“Travelling to Massachusetts Institute of Technology to spend time with some of the greatest minds working in the field of biological sciences was a truly amazing experience. I learned a lot — not just about the latest cancer research, but also about how academic culture in the US differs from Europe. The most exciting part was being able to watch daily presentations on new research. It was a privilege to be present as world experts gathered to brainstorm around their recent findings.

Overseas travel is expensive. It was only thanks to a bursary from the Faculty of Natural Sciences Dean’s Fund that I was able to afford to take up my placement at MIT. Like me, many students have a passion for research, but need financial help to take advantage of summer research placements. Travel bursaries provide the means to realise our full potential. I would like to say a big thank you to everyone who donated to the Faculty of Natural Sciences.”

## Prioritising mental wellbeing

**Your donations are giving a vital boost to essential counselling and wellbeing services at Imperial — ensuring students receive the extra support they need to thrive at the College.**

**“GOOD MENTAL HEALTH IS ONE OF THE PREREQUISITES FOR ACADEMIC SUCCESS. YOUR DONATIONS ENABLE US TO LIFT BARRIERS TO ACHIEVEMENT AND TO OFFER A HELPING HAND TO STUDENTS EXPERIENCING STRESS, ANXIETY OR DEPRESSION. THANK YOU FOR YOUR SUPPORT.”**

Professor Denis Wright, Director of Student Support, and his team are responsible for ensuring that students get the help and support they need to achieve their full potential at Imperial. It’s a job that he sees as part and parcel of the College’s academic mission. “Students are here to study, and it’s the job of my team to prevent anything that poses a barrier to study and to intervene before the problem becomes overwhelming.”

Like other universities, the demand for student support services at Imperial has been steadily increasing over the last few years. The proportion of students seeking counselling has risen to 4% of the total student body in 2014–15.

What is driving this increase? Surveys show that students contact the support service for a variety of reasons. Some are struggling to adapt to life away from home. Others feel depressed and anxious without knowing why. For many students, it’s work-related stress that is the problem. Professor Wright believes that as a top university, Imperial attracts high-performing students, who can impose punishingly high standards upon themselves. The result for some students can be exceptional levels of stress.

Mental wellbeing is one of Imperial’s strategic priorities for 2015–20, and the College is investing to expand student support services. A new mental health advisor and two new study mentors will help students to develop their own strategies to manage stress and workloads better. Donations from alumni



and friends of the College are also playing a vital role in helping to provide short-term counselling to students who need ongoing support.

Professor Wright’s team is also looking at ways to prevent mental health problems from occurring in the first place. One initiative that will help all students is looking at how the volume of coursework and coursework deadlines can be spread across the term so that students don’t have several assignments due on the same date.

His team are working with tutors, to enable them to spot the early signs of stress and intervene. A new web resource to help support personal tutors was launched at the end of January 2016. “Tutors may see students more often than anyone else and often at peak points of stress,” says Professor Wright. “By working more closely with tutors and advising them on how to identify problems, we can prevent more serious mental health issues down the road.”

Professor Wright is grateful to all those who have donated to the Student Experience Fund. “Good mental health is one of the prerequisites for academic success. Your donations enable us to lift barriers to achievement and to offer a helping hand to students experiencing stress, anxiety or depression. Thank you for your support.”

# Meet our supporters

Imperial's alumni, friends and supporters are amongst our greatest assets. Your generosity, expertise and experience make a vital contribution. Whether you give financially, or volunteer your time, thank you.



Chris Burke (Aeronautical Engineering 2001) was one of 3,080 people who donated to the President's Scholarship Fund last year, enabling us to award 112 scholarships for the brightest undergraduates joining Imperial in autumn 2015.

“I am proud to support Imperial because I know from my own experience what an amazing place it is — made so by everyone who is learning, collaborating and discovering there.

Imperial is one of the global institutions that our common future depends on. The research undertaken at Imperial — along with the learning and personal growth of individual students — will benefit everyone. There are some big challenges facing us, and Imperial is leading the way in meeting them today, and developing the people who will lead our efforts tomorrow.

My younger brother had a scholarship at university, and I know the huge difference it made to him. He was able to take full advantage of the opportunities available. That's why I chose to support the President's Scholarship Fund.”

We are thankful to everyone who chooses to remember Imperial in their will, such as Sean Hackett (Physics 1978). Every legacy pledge, whether large or small, is gratefully received. Imperial was honoured to receive over £1.5 million in legacies during 2014–15.

“I wanted to make a provision in my will so that others may benefit from an Imperial education in years to come. The education and experience I gained at Imperial have remained with me, winning the respect of employers, and helping to shape my career. The education I received was made possible, in part, because of legacy gifts received by the College before I joined. As Imperial enjoys charitable status, legacy giving is an efficient way to make a significant contribution to the College.”



### Make an impact: alumni volunteering opportunities

From speaking at career events for students, to inspiring a crowd of fellow alumni, there are many ways to make an impact on Imperial's future and help us to build a vibrant alumni community.

→ To explore any of these opportunities further, please email [alumni@imperial.ac.uk](mailto:alumni@imperial.ac.uk)



Jonathan Firth (Mechanical Engineering 1981) is Executive Vice President of Spaceport and Program Development at Virgin Galactic. He returned to Imperial as a volunteer to speak at the Imperial Space Lab's third annual conference in September 2015.

“I was delighted to speak at the recent Imperial Space Lab event. It's really great to see the collaborations that are being fostered between Imperial's researchers and the space sector.

I'm very keen that the next generation of engineers and scientists are encouraged by getting insight into the challenges and opportunities that we are engaged with in the space industry, not least as enablers to growth in many other industries.

I was inspired when I was an undergraduate at Imperial by opportunities to explore the practical application of engineering knowledge to real life needs, and I'm very happy to be able to give something back now by sharing the experience that we at Virgin Galactic are gaining in our efforts to transform access to space.”

Imperial's international network of alumni associations depends on committed volunteers like Zhuohui Luo (MBA 2001), whose enthusiasm and expertise give life to the Imperial alumni community.



“One of the most important and meaningful decisions I have made was to set up the Imperial College Alumni Association of China (Beijing) in 2007.

When I returned to China with my MBA degree in 2001, I wanted to meet other Imperial alumni, to strengthen our business cooperation and social networking, and to build on our close connection with the College. Professor Song Fu (Mechanical Engineering 1983) and I decided to set up an alumni organisation and in 2007, when Imperial celebrated its centenary, the Imperial College Alumni Association of China (ICAAC) was successfully launched. Since then, the Association has become a hugely popular networking platform for Chinese alumni and every year we organise different kinds of events and help to receive visiting delegations from Imperial.”

Joanne Linder (MBA 1996) is Co-Chair of the Alumni Advisory Board (AAB) for Imperial College Business School, together with Professor G 'Anand' Anandalingam, Dean of the School. Since its creation in October 2004, the board has fostered an active relationship between the Business School and its alumni. Its role is to communicate alumni views and interests to the Business School, advise and support the Business School in creating and enhancing services and opportunities for alumni, and champion the Business School and share its vision externally.



“One of the things

I love about being involved with Imperial College Business School is that everyone has a story to tell. Our stories break down barriers. It does not matter where we are from or what we have done, we all chose to be in the same place and share the same intense experiences, often at the same time.

The alumni network only exists because of you and me. Wherever you are or whatever you are up to in life, being part of this trusted network gives real benefits, professionally and personally.

It is through the Alumni Advisory Board that our views, the alumni of Imperial College Business School, are heard and discussed. This is our board of representatives and I would like to thank the ever-increasing group of fellow alumni that attends it for their energy, enthusiasm and commitment.”

Over the past six years Santander has donated £647,000 to support scholarships and mobility awards at Imperial. Over 100 of our brightest students and postgraduate researchers have benefited as a result. The College is grateful for Santander's sustained commitment to our students. Santander UK's Michael Wilson visited Imperial to meet some of those students benefiting from Santander's support:



“I was extremely proud to hear how Santander's support enabled one PhD student to travel to Brazil to explore new ways to bring cheap solar power to developing communities.

It was great to visit Imperial and to meet some of those who have benefited from Santander's support in 2014–15. I was interested to learn more about Philip Sandwell's research in Brazil, which could help to bring solar power to countries unable to afford more conventional solar power infrastructure. Santander's goal in forming partnerships with institutions like Imperial is to benefit the university community as a whole. Meeting students like Philip reminds me of the real impact that Santander mobility awards can have.”

# Leadership giving

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Taking good care of our data is a priority for us, so please let us know of any corrections or changes we need to make regarding your support for the College. Please contact us at [giving@imperial.ac.uk](mailto:giving@imperial.ac.uk)

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The Imperial 1907 Circle recognises donors who give £5,000 or more during a 12-month period, and whose philanthropic support plays a leading role in advancing research and education at Imperial. Named after the year in which the College was established by royal charter, the Circle offers its members a commemorative lapel pin and an invitation to an exclusive event hosted by the President.

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The Imperial 1851 Circle honours those donors who make an annual contribution of between £1,000 and £4,999. By giving at this level, Circle members play a crucial role in shaping the future of Imperial. The Circle is named after Prince Albert's 1851 vision for a new scientific and cultural quarter in South Kensington, with Imperial College London at its heart. Members receive an invitation to an exclusive event, special recognition in donor listings and a commemorative lapel pin.

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