

Imperial means  
Intelligent Business

Doctoral Programme  
Starting in 2018

Imperial  
College  
Business  
School



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“My favourite aspect about being on the Doctoral programme is definitely the diversity of the faculty and students. The different cultures and backgrounds really facilitate the opportunity to have interesting conversations and develop new research ideas.”

Krystal Lau  
Doctoral student,  
Department of Management





## Welcome to Imperial College Business School



**Professor  
Jonathan Haskel**  
Director of the Doctoral  
programme and Chair in  
Economics at Imperial  
College Business School

“The creation of new scientific knowledge is one of the most satisfying and fulfilling endeavours imaginable. New knowledge helps people understand the world better, often changing the way they behave. By providing you with the skills for creating new scientific knowledge, Imperial College Business School’s Doctoral programme therefore helps you to benefit business and society through the power of innovative thinking.

Imperial College London is consistently ranked as one of the top 10 universities in the world. Our Doctoral programme offers students the experience of studying alongside our world-class research faculty who work collaboratively with colleagues from other departments across the College, enabling us to produce new knowledge that truly benefits individuals, businesses, economies and even the planet itself, driven by research excellence.

At Imperial, we provide an inspiring learning experience that equips you with the skills to become a world-leading expert in your chosen subject, and a producer of new knowledge. We offer a rich selection of research training and content courses that dig deep into the knowledge frontiers of your research area. In your first year of study, you will gain a Master’s in Research, before going on to work on your own research in close collaboration with, and with the guidance of, our internationally respected faculty.”



## The Imperial advantage

At Imperial College Business School we drive policy and practice through inspiring collaboration and research excellence. Our programmes inspire intelligent and creative minds from a diverse range of backgrounds to be the world's future leaders.

### A top global university

Imperial College London is one of the world's top 10 universities, with a reputation built on solid principles and practical expertise. Studying with us will open doors across the world and give you access to the very latest research in business, technology, science, engineering and healthcare.

8th

### QS World University Ranking 2018

Imperial College London is ranked 8th globally

8th

### Times Higher Education World University Ranking 2016-17

Imperial College London is ranked 8th globally



### A world-class education

Imperial College Business School is at the centre of this world-leading university and our high standard of teaching and research is evidenced by our achievements.

92%

### REF 2014

Imperial College Business School has the highest proportion (92%) of 'world-leading' and 'internationally excellent' research of any institution in the business and management category

4th

### Financial Times European Business School Ranking 2016

We are ranked 4th in the UK and 15th in Europe\*

top 1%

### Triple accredited

We are among just 1% of business schools worldwide to achieve triple accreditation from AMBA, AACSB and EQUIS. This is in recognition of the excellence of our degree programmes and proves our position as one of the world's most elite business schools



The Business School is proud to have received a Bronze Athena SWAN award in recognition of our work in tackling gender inequality in higher education.

\* excluding multi-campus programmes





**The fusion of business and technology**

At Imperial College Business School we drive global business and social transformation through the fusion of business, technology and an entrepreneurial mindset. Unlike other business schools, our pioneering research and expertise does not stop with business. Our intersection with Imperial College's outstanding faculties of engineering, medicine and natural sciences offers you a unique, multi-disciplinary experience. You will attend seminars in other fields, giving you the opportunity to discuss research beyond your particular area of interest. The easy interaction with other disciplines encourages collaboration and leads to a distinctive research environment.

“We educate the next generation of scholars who will embark on successful careers at leading business schools. In the first year of study, students will gain a Master's in Research, before going on to work on their own research in collaboration with multi-disciplinary research centres and with the guidance of our internationally admired faculty.”

**Professor Jonathan Haskel**  
Programme Director

**A vibrant research community**

Our vibrant and international research community brings together world-leading faculty and high calibre doctoral students who are taking the first steps in their own academic careers. You will also have many opportunities to network with internal and external academics at research seminars, events and international conferences.

**A faculty of leading experts**

Our highly-international faculty combine an understanding of current best practice in global business theory with an immersion in the practical issues of today's global corporations through their research and consultancy projects.

During the Doctoral programme, you will work with, and receive guidance from, world-class faculty, working together to expand the boundaries of business knowledge and practice.

**Research impact**

Our faculty produce highly relevant research that impacts on industries and economies, and many of our projects are co-developed with industry partners, including world-leading multinationals and SMEs. We also contribute to policy-making through engagement with senior political leaders and government departments such as HM Treasury as well as other international organisations including the World Bank, European Central Bank, OECD and the European Commission.

**Access to cross-disciplinary institutions**

You will have the opportunity to collaborate with multi-disciplinary research centres and institutes that work in partnership with leading academics and industry partners. These include:

**Brevar Howard Centre for Financial Analysis** – enhances expertise in financial economics

**Centre for Climate Finance and Investment** – analyses investments in clean energy, energy efficiency and low-carbon infrastructure globally

**Centre for Global Finance and Technology** – enhances understanding of the impact of technology on finance, business and society

**Centre for Health Economics & Policy Innovation** – addressing today's health challenges and supporting policies to improve health worldwide

**Data Science Institute** – conducts research that pursues world-class data-driven innovation

**Grantham Institute – Climate Change and the Environment** – drives forward climate and environment related research

**Imperial Business Analytics** – develops fresh approaches to working with and harnessing the power of big data

**Innovative learning environment**

Innovation and entrepreneurship initiatives include:

**Enterprise Lab** – connects innovators and entrepreneurs from all faculties across Imperial

**Imperial Innovations** – a technology commercialisation company focusing on opportunities that arise from Imperial's leading academic research

## The Doctoral programme

Our Doctoral programme combines highly relevant and structured training in the first year when you complete a Master's in Research, with the freedom to explore your chosen area of research over the course of a further four years.

Formal modules provide you with a theoretical grounding and thorough research training, giving you a solid foundation for your academic career. The thesis, under the guidance of your supervisors, will give you the opportunity to conduct a substantial piece of original research.

You will have access to a wide range of professional and personal development opportunities, including training in teaching and assessment skills, which will expand your knowledge and prepare you for a career in academia.

The programme typically lasts five years, but can be completed in four. It is a full-time programme, and is not offered on a part-time or distance learning basis.

### Fully funded studentships

All students on the Doctoral programme are offered fully funded places to study at the Business School, including a full tuition waiver and a living stipend for up to five years.

## Programme structure

### Year one: Master's in Research

You will begin with a one year Master's in Research (MRes). During this time you will take compulsory modules in research methodology and subject-specific theory, as well as undertake an individual research project. The purpose of the MRes is to equip you with the necessary skills to perform high quality doctoral research in the areas of finance, economics and management. Modules are assessed by a mixture of assignments, research projects and examination. The Master's in Research consists of the following elements:

#### Research methods modules

These core modules are designed to provide a foundation in research tools:

Data Analysis Tools

Systematic Literature Reviews

You will then choose three research methods modules from:

Econometrics

Empirical Asset Pricing

Empirical Corporate Finance

Qualitative Research Methods

Research Design

#### Specialist modules

You will choose modules, focusing on theory and application within your chosen area of research from:

Asset Pricing

Consumer Behaviour

Corporate Finance

Entrepreneurship

Innovation Management

Microeconomics

Organisational Behaviour and Human Resource Management

Strategic Management

This list is indicative of the specialist modules offered however these are subject to change and require a minimum level of student interest in order to run.

#### Research project

You will complete your final thesis, which is assessed via an oral examination.

#### Progression to the PhD

In order to qualify to progress to the PhD you must successfully complete the MRes and achieve a minimum average of 60%, including a minimum of 60% in the research project.

## Year two

Having completed a Master's in Research, during the second year of the programme you will begin to prepare and plan for your individual research question.

### Further Specialist Training

It is expected that you will undertake further training where you will delve deeper into your chosen field. Under the guidance of your supervisor, you will develop a training plan to identify which courses may be the most suitable for your training, whether at Imperial or externally.

### Research Plan

When you progress from the MRes to the PhD you will choose a primary and secondary supervisor, based on your research interests. The supervisor-student relationship is the foundation for a successful doctoral thesis as your supervisor will help you develop your research question, identify research and teaching opportunities and support you through your studies and the academic job application process.

### Early Stage Assessment

The Early Stage Assessment (ESA) takes place in the summer of year two and is assessed by a panel of faculty. The ESA outlines the research question, the work you have done to date and the future research activities to be carried out to complete the project. It comprises a written report and a presentation to which all PhD students and research department faculty are invited.

The purpose of the ESA is not only to assess your personal progress but it also gives you the opportunity to discuss your work at its early stages and get feedback and ideas from faculty to improve your research.

## Years three and four

### Thesis

Armed with feedback from the Early Stage Assessment, you will work intensely on your thesis, focusing on the collection and analysis of empirical data and developing theoretical frameworks.

### Seminars and conferences

Being part of the School's inspirational research community is a crucial aspect of the doctoral experience – as is gaining familiarity with cutting-edge research from world-leading academics. Our three research departments run seminars where internal and external academics discuss their latest work. As well as providing insight into yet-to-be-published research, the seminars offer networking opportunities and visiting academics often lead special topic workshops for research students. The Doctoral programme also supports the participation of research students in international conferences where you can present your own research and participate in doctoral consortia.

### Late Stage Review

The Late Stage Review takes place in the summer of year three and follows the same principle as the Early Stage Assessment, in that its purpose is to assess your progress and provide you with feedback and advice on the direction and scope of your research.

## Year five

You will embark on the Continuing Research Stage, the official final year of your Doctoral programme, culminating in the submission of your thesis and the *viva voce* examination. You must submit your thesis within five years of starting the programme.



## Business School research community

Being part of the School's inspirational research community is crucial to the experience of our doctoral students. Students are expected to make a positive contribution to our research ethos and take advantage of the wealth of development opportunities on offer.

### Specialist research centres

The Business School houses a number of specialist research centres where many of our doctoral students collaborate with faculty and industry partners.

These include:

Brevan Howard Centre  
for Financial Analysis

Centre for Climate Finance  
and Investment

Centre for Global Finance  
and Technology

Centre for Health Economics  
& Policy Innovation

Data Science Institute

Grantham Institute – Climate  
Change and the Environment

Imperial Business Analytics

### Conference presentations

Recent conference presentations given by our doctoral students include:

What Gives "Real-time Marketing" its Bite? A Byte Of Humor  
Yuting Lin  
*Annual ISMS Marketing Science Conference, June 2017*

Life Cycle Consumption and Portfolio Choice with an Imperfect Predictor  
Yuxin Zhang  
*American Economics Association Annual ASSA Meeting, January 2017*

New Venture Internationalisation in the Digital Age  
Marine Mograbyan  
*Annual Meeting of the Academy of Management, August 2017*

Estimates of Total and Age-Distributed Influenza A (H1N1) Hospitalization During the 2009 Pandemic and 2010/2011 Post-Pandemic Period in England  
Krystal Lau  
*World Congress of International Health Economics Association, July 2017*

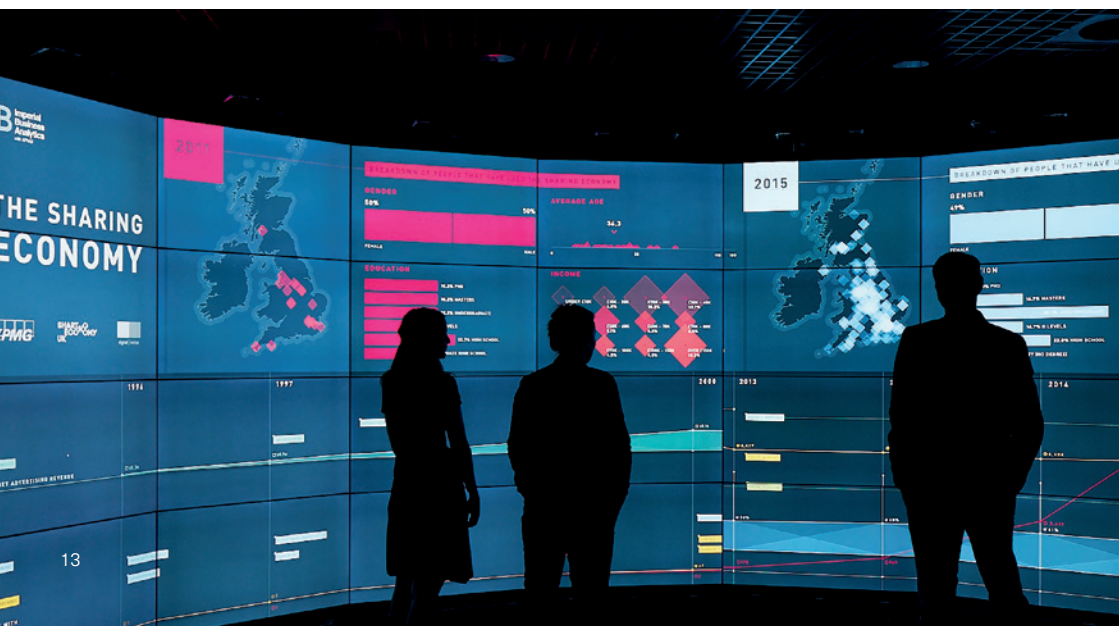
Macroprudential Policy, Difference in Beliefs and Growth: What's the Role of Risk Premia?  
Daren Wei  
*Asian Financial Association Annual Meeting, July 2017*

A Crowd of One: The Dominant Role of Angel Investors in Equity Crowdfunding  
Wanxin Britney Wang  
*Annual ISMS Marketing Science Conference, June 2017*



"Presenting at an international conference strengthened my self-confidence and gave me the opportunity to think about how to deliver my research to an academic audience."

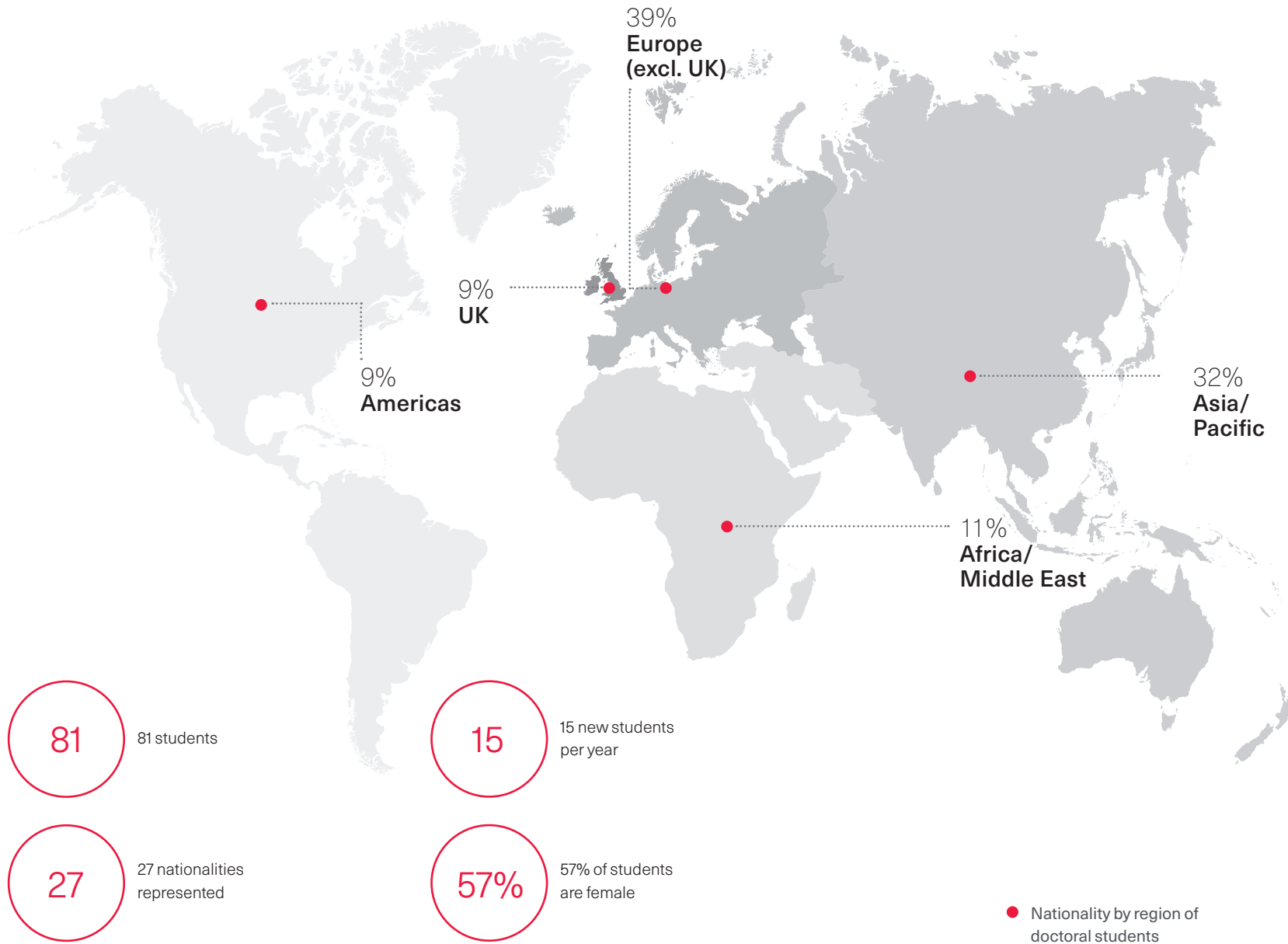
Hsuan Fu  
Doctoral student,  
Department of Finance





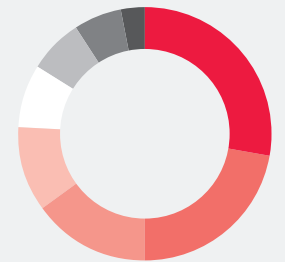
# Class profile

Doctoral students 2016 – 17



## Degree backgrounds

- 28% Economics
- 22% Business/Management
- 15% Mathematics
- 11% Finance
- 8% Engineering
- 7% Science/Medicine
- 6% Social Science
- 3% Humanities



## Department of Finance

The Department of Finance offers a specialist programme to build your knowledge of theory and technical skills, and equip you with the tools to carry out high quality theoretical and empirical research. As a doctoral student, you will work closely with faculty members and are encouraged to think creatively.

The Department of Finance welcomes applications from excellent candidates with a background in quantitative subjects including mathematics, statistics, economics and finance.

Faculty in the department are engaged in a wide range of research areas including quantitative risk management, asset pricing, hedge funds and corporate finance. Recent research covers derivative pricing and hedging, risk management and asset allocation, financial econometrics, stochastic volatility modelling, credit risk modelling, catastrophe risk analysis, mergers and acquisitions and private equity.

The Department of Finance houses research centres that undertake advanced study in specialist areas, where Imperial faculty collaborate with external academics and industry professionals to develop cutting-edge research, influencing global industry practice and public policy.

The Brevan Howard Centre for Financial Analysis, headed by world-renowned academic, Professor Franklin Allen, serves as a bridge between the Business School and the world of business, aiming to develop a greater understanding and more efficient management of risk, and to promote investment and productivity.

The department works collaboratively with faculty in other departments at Imperial College London such as Mathematics, Computing and Medicine, and the Grantham Institute – Climate Change and the Environment. The department is also part of the London Graduate School in Mathematical Finance, which enables our doctoral students to take maths and finance courses at our partner institutions in London.

Additionally, doctoral students can enjoy the faculty's links with other institutions including UK and European universities such as Oxford-Man Institute of Quantitative Finance at the University of Oxford, SDA Bocconi, Toulouse School of Economics and Oulu University; North American institutions such as Harvard, the Booth School of Business at the University of Chicago and the Sauder School of Business at the University of British Columbia; and international institutions such as the IMF, the Federal Reserve Banks at Atlanta and Chicago; and leading central banks including the Bank of England and European Central Bank.

The department also offers students the opportunity to engage in teaching activities on the suite of Finance Master's programmes.

### Examples of doctoral theses

Benchmarking Pressures: A Channel for Mutual Fund Contagion? – Robert Czech

Covered Interest Parity Deviation in the Cross-Currency Basis Swap Market – Mobeen Iqbal

An Ambiguity Channel of Real Investment Contagion – Adelina Barbalau

Estimating Risk Premia Using Large Cross-Sections – Valentina Raponi

Institutional Ownership and Endogenous Information Acquisition – Jingyu Zhang

The Effect of Political Connections on Risk of Default – Engin Iyidogan



“The Doctoral programme in the Department of Finance offers a balanced programme and rigorous training in research skills. Imperial College Business School offers four core modules in Finance, which help build a solid foundation for us to dig into specialised areas in our senior years.”

### Jingyu Zhang

Doctoral student,  
Department of Finance

### Research areas

Asset pricing

Corporate finance

Financial analysis

Investments

Risk management



## Department of Finance faculty



### Professor Alexander Michaelides

Head of the Department of Finance and Professor of Finance

PhD in Economics, Princeton University

Professor Michaelides' research interests include household finance, asset pricing with heterogeneous agents and financial frictions, and topics in the intersection of macroeconomics and finance. He has previously worked at the London School of Economics and the University of Cyprus, and has also held positions at the Federal Reserve Bank of New York, the European Central Bank and the Central Bank of Cyprus.



### Professor Franklin Allen

Executive Director of the Brevan Howard Centre for Financial Economics and Professor of Finance and Economics

D.Phil. in Economics, University of Oxford

Professor Allen is a Fellow of the British Academy for his research on issues relating to financial crises, corporate finance and financial innovation. His main areas of interest are corporate finance, asset pricing, financial innovation, comparative financial systems, and financial crises. He is a co-author of the textbook 'Principles of Corporate Finance'.



### Dr Lara Cathcart

Associate Professor of Finance

PhD in Finance, Birkbeck College, University of London

Dr Cathcart specialises in the study of credit risk, derivative pricing and fixed income products. Her work has appeared in numerous finance journals including the Journal of Money Credit and Banking, Journal of Banking and Finance, and Quantitative Finance. She is an Associate Editor for the European Journal of Finance and the Journal of Banking and Finance, and has consulted for several investment banks and HM Treasury.



### Professor David Miles

Professor of Financial Economics

PhD, Birkbeck College, University of London

Professor Miles' research focuses on the setting of monetary policy in the wake of the financial crash and explores the nature of unconventional policy and the links to financial stability. He was also a member of the Monetary Policy Committee at the Bank of England. He was involved with the coordination between monetary policy and financial stability.



**Department of Finance faculty**

**Professor Karim Abadir**  
Chair in Financial Econometrics  
D.Phil., University of Oxford

**Dr Harjoat Bhamra**  
Associate Professor of Finance  
PhD in Finance,  
London Business School

**Professor Bruno Biais**  
Professor of Finance  
PhD in Finance, HEC Paris

**Dr Enrico Biffis**  
Associate Professor of  
Actuarial Finance  
PhD in Mathematics for Economic  
Decisions, University of Trieste

**Professor Andrea Buraschi**  
Chair in Finance  
PhD in Economics,  
University of Chicago

**Professor Gilles Chemla**  
Professor of Finance  
PhD in Economics,  
London School of Economics

**Dr Claudia Custodio**  
Associate Professor of Finance  
PhD in Finance,  
London School of Economics

**Dr Pasquale Della Corte**  
Associate Professor of Finance  
PhD in Finance, University of Warwick

**Professor Walter Distaso**  
Professor of Financial Econometrics  
PhD in Econometrics and Quantitative  
Economics, University of York

**Dr Mario Ghossoub**  
Assistant Professor of Finance  
PhD in Actuarial Science,  
University of Waterloo

**Professor Rustam Ibragimov**  
Professor of Finance and  
Econometrics  
PhD in Economics, Yale University

**Dr Rajkamal Iyer**  
Associate Professor of Finance  
PhD in Finance, INSEAD

**Professor Marcin Kacperczyk**  
Professor of Finance  
PhD in Finance,  
University of Michigan

**Dr Robert Kosowski**  
Associate Professor of Finance  
PhD in Finance,  
London School of Economics

**Dr Emiliano Pagnotta**  
Assistant Professor of Finance  
PhD in Economics,  
Northwestern University

**Professor Jose-Luis Peydro**  
Professor of Finance  
PhD in Finance, INSEAD

**Professor Tarun Ramadorai**  
Professor of Financial Economics  
PhD in Business Economics,  
Harvard University

**Professor James Sefton**  
Chair in Economics  
PhD in Systems Theory,  
University of Cambridge



# B Imperial College Business School



**Dr Savitar Sundaresan**  
Assistant Professor of Finance  
PhD in Economics,  
Columbia University

**Dr Katrin Tinn**  
Assistant Professor of Finance  
PhD in Economics,  
London School of Economics

**Professor Paolo Zaffaroni**  
Professor of Financial Econometrics  
PhD in Econometrics,  
London School of Economics

To find out more about the  
Department of Finance, please visit:  
[imperial.ac.uk/business-school/  
research/finance](https://imperial.ac.uk/business-school/research/finance)



“Imperial College Business School has a world-class faculty who are truly experts in their fields. Group seminars where faculty members present their work in progress are a great opportunity for us to learn about current developments in various research areas.”

**Kumushoy Abduraimova**  
Doctoral student,  
Department of Finance



## Department of Innovation and Entrepreneurship

The Department of Innovation and Entrepreneurship undertakes research into innovation and entrepreneurship process, from identifying pockets of original knowledge in the search for ideas, to the diffusion and entrepreneurial exploitation of new products, processes and services.

The Department of Innovation and Entrepreneurship is a core part of the Business School and is unique in Europe due to its interdisciplinary depth, funding, contacts and published research in innovation and entrepreneurship.

The department welcomes applications from students from a wide variety of academic backgrounds who strive for excellence and have a desire to influence policy and practice by working at the interface of science, engineering and business management.

Doctoral students in the department have the opportunity to teach on programmes such as MSc Innovation, Entrepreneurship & Management, as well as on our MBA, which offers a unique focus on innovation through elective courses and the Entrepreneurial Journey.

The department works with global companies, SMEs, policy communities and research institutions, as well as flagship projects with Imperial's Engineering, Natural Science and Medicine faculties. Demonstrating strong inter-disciplinary application, the department actively translates its research findings through direct engagement with research and industry partners, academic publications, conferences, workshops and briefings.



“Being part of a research community with a reputation for excellence enables me to make meaningful connections and have access to a big pool of experts in the field of innovation and entrepreneurship.”

**Rossella Salandra**

Doctoral student, Department of Innovation and Entrepreneurship

### Research areas

Academic entrepreneurship

Business model innovation

Entrepreneurship systems

Inclusive innovation and entrepreneurship

Individual innovativeness

Innovation, design and services

Ownership, governance and entrepreneurs

Social networks and innovation performance

University-industry relations and impact

### Examples of doctoral theses

A Theory of New Venture Evolution: Technology-Market Search in New Ventures – Laurens Vandeweghe

Institutional Activity and Collaboration Patterns in an Emerging Technological Field – Maria Gradillas

Organisational Identification in Hybrid Organisations: The Role of Primary and Secondary Organisational Identities – Cleo Silvestri

Organising Social Innovation: Enabling Mechanisms and Inherent Paradoxes – Gokce Tuna

The Production and Dissemination of ‘Defective’ Knowledge in the Context of Clinical Research – Rossella Salandra

## Department of Innovation and Entrepreneurship faculty



### Dr Markus Perkmann

Head of the Department of Innovation and Entrepreneurship and Associate Professor of Technology and Innovation Management

PhD in Sociology, Lancaster University

Dr Perkmann's research centres on the business of science, university-industry relations, scientific entrepreneurship and translational research.



### Professor Erko Autio

Chair in Technology Transfer and Entrepreneurship

PhD, Helsinki University of Technology

Professor Autio's current research interests are in entrepreneurship and entrepreneurship policy (notably, national and regional entrepreneurial ecosystems), innovation ecosystems, innovation momentum strategies, business model innovation and innovation from Big Science.



### Dr Paola Criscuolo

Department of Innovation and Entrepreneurship PhD Coordinator and Associate Professor of Innovation

D.Phil. in Economics of Technological Change, University of Maastricht

Dr Criscuolo's research topics include open innovation, creativity, knowledge sharing, and methodological issues related to patents and patent citation analysis.



### Dr Anu Wadhwa

Associate Professor of Strategy and Entrepreneurship

PhD in Business Administration, University of Washington

Dr Wadhwa's research examines patterns and processes of entrepreneurship in established firms, the impact of corporate entrepreneurship on organisational innovation and how entrepreneurial actors make decisions under extreme uncertainty.

Dr Tufool Alnuaimi  
Assistant Professor of Data Science and Innovation  
PhD in Management Science, Imperial College Business School

Professor Bart Clarysse  
Chair in Entrepreneurship  
PhD in Applied Economics, Ghent University

Professor David Gann  
Chair in Innovation and Technology Management and Vice President of Imperial College London (Development and Innovation)  
PhD in Industrial Economics, University of Sussex

Professor Alan Hughes  
Professor of Innovation  
BA, University of Cambridge

Dr HeeJung Jung  
Assistant Professor of Entrepreneurship  
PhD in Management, INSEAD

Dr Jaemin Lee  
Assistant Professor  
PhD in Management, INSEAD

Dr Miguel Meuleman  
Assistant Professor of Entrepreneurship  
PhD in Economics, Ghent University

Dr Dmitry Sharapov  
Assistant Professor of Innovation, Entrepreneurship and Strategy  
PhD in Management, University of Cambridge

Dr Ileana Stigliani  
Assistant Professor of Design and Innovation  
PhD in Management, Bocconi University

Dr Anne ter Wal  
Assistant Professor  
PhD in Economic Geography, Utrecht University

Professor Mike Wright  
Professor of Entrepreneurship and Director of the Centre for Management Buy-out Research  
PhD (Honorary), University of Ghent

To find out more about the Department of Innovation and Entrepreneurship, please visit: [imperial.ac.uk/business-school/research/innovation-and-entrepreneurship](https://imperial.ac.uk/business-school/research/innovation-and-entrepreneurship)



## Department of Management

The Department of Management investigates consequences of radical innovation and the strategic ramifications of technology evolution.

The department welcomes applicants from a wide variety of academic disciplines who are united by a desire to research and provide insight into high-tech industries such as energy, telecommunications, e-commerce, banking, pharmaceuticals and biotechnology.

Faculty and students within the department are clustered in five main areas of expertise: economics, health management, marketing, operations management and strategy and organisational behaviour. Recent research focuses on the role of economic and political forces in shaping welfare state institutions, the management of professional service firms and developing computationally efficient algorithms to enable the use of optimisation-based decision support systems in operational planning and the scheduling of resources.

Working in the Department of Management will allow you to conduct research using a range of quantitative and qualitative methods such as mathematical and econometric modelling, lab experiments, social network analysis, case studies, ethnography and discourse analysis. You will benefit from being exposed to the wide range of topics being researched in the department and through internal and external seminars which will introduce you to new areas of research and increase both the breadth and depth of your knowledge.

There are many opportunities to contribute to the Business School's degree programmes as a doctoral student in the Department of Management with the opportunity to teach both undergraduates and postgraduates. The department takes the leading role in delivering a suite of MSc programmes including MSc Management, MSc Strategic Marketing, MSc Business Analytics, MSc International Health Management, MSc Climate Change, Management & Finance, and MSc Economics & Strategy for Business.

### Examples of doctoral theses

Essays in Environmental Economics: Assessing Externalities from Distributed Infrastructure – Sandra Bernick

Product Release Strategies in Single and Multiple Markets – Esma Koca

Challenges of Developing Sustainable Energy Systems: A Case Study of Qatar's Electrical Energy System – Saeed Alokkeh

Measuring the Invisible: the Value of Information – Wanxin Britney Wang

Hope and Anxiety in Driving Consumers' Intentions to Adopt New Products: When and Why? – Yu-Ting Lin

Understanding the Role of Consumers' Suspicion in Ethical Consumption Decisions – Artemis Panigyraki

How the Shadow Institutional Field Maintains: The Case of Counterfeit Luxury Industry in Guangzhou China – Lin Dong

Innovation in Highly Institutionalised Settings: the Role of Intra-organisational Dynamics – Paola Boscolo Chio Bisto

### Research areas

Economics

Health management

Marketing

Operations management

Strategy and organisational behaviour



“As the Business School is part of the wider Imperial College community, there is interaction between the disciplines. If I want to ask someone from a different department with different expertise for their perspective on something, I can approach another faculty and find someone to help.”

**Quentin Coutellier**

Doctoral student,  
Department of Management

## Department of Management faculty



### Professor Richard Green

Head of the Department of Management and Professor of Sustainable Energy Business

PhD in Economics, University of Cambridge

Professor Green has written extensively on market power in wholesale electricity markets and has also worked on transmission pricing. More recently, the main focus of his work has been on the impact of low-carbon generation and energy storage on the electricity market, and the business and policy implications of this. He has held visiting appointments at the World Bank, the University of California Energy Institute and MIT.



### Professor Carol Propper

Chair in Economics and Associate Dean of Faculty and Research

PhD in Economics, University of York

Professor Propper is a Fellow of the British Academy for her paper on health economics. Her research focuses on the impact of incentives on the quality of healthcare delivery and, more widely, on the design and consequences of incentives within the public sector and the boundary between the state and private markets. She received a CBE for her services to social science in recognition of her research into public economics and economics of healthcare, as well as her work with colleagues from other social science and medicine disciplines.



### Professor Nelson Phillips

Abu Dhabi Chamber Chair in Innovation and Strategy

PhD in Organisational Analysis, University of Alberta

Professor Phillips' research looks at a range of different, but related, issues in entrepreneurship, including how to scale up new, high-growth ventures and in how scaling up social enterprises differs from scaling up more traditional companies. He also focuses on various aspects of technology strategy and innovation, such as the social dynamics of technology adoption and the ramifications of these dynamics. Other areas of his research include organisational theory and qualitative research methods. Professor Phillips has published more than 75 articles in publications such as Academy of Management Journal, Sloan Management Review and Organization Science.



### Professor Andreas Eisingerich

Professor of Marketing

PhD, University of Cambridge

Professor Eisingerich is best known for his work on consumer engagement strategies, service innovation, and brand management. Current projects include marketing research into how users form product adoption decisions across different countries in the world, the engagement of consumers in different business contexts, the management of brand extension portfolios for greater firm value and how firms can manage their inter-organisational relationships more effectively to trade upon more successful service innovation outcomes. His research has appeared in numerous publications including the Journal of Marketing, Harvard Business Review, European Journal of Marketing, MIT Sloan Management Review and the Wall Street Journal.



Department of Management faculty

**Professor James Barlow**  
Chair in Technology and Innovation Management  
PhD in Political Economy/Geography, London School of Economics

**Dr Rajesh Bhargave**  
Assistant Professor of Marketing  
PhD in Marketing, University of Pennsylvania

**Dr Esther Boler**  
Assistant Professor of Economics  
PhD in Economics, University of Oslo

**Dr Sankalp Chaturvedi**  
Associate Professor of Organisational Behaviour and Leadership  
PhD in Organisational Behaviour, National University of Singapore

**Dr Elena Dalpiaz**  
Assistant Professor in Strategy  
PhD in Business Administration and Management, Bocconi University

**Dr Pedro Rosa Dias**  
Associate Professor of Health Economics  
PhD in Economics, University of York

**Dr Maria Farkas**  
Assistant Professor in Organisational Behaviour  
PhD in Business Administration and Sociology, University of Michigan

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Chair in Economics  
PhD in Economics, London School of Economics

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Assistant Professor of Marketing  
PhD, University of St. Gallen

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PhD in Marketing, Maastricht University

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PhD in Business Administration, University of Michigan

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PhD in Economics, London School of Economics

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Assistant Professor in Marketing  
PhD in Marketing Strategy, University of Melbourne

**Dr Sven Mikolon**  
Assistant Professor of Marketing  
PhD in Business Administration, Ruhr-University of Bochum

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Associate Professor in Health Economics  
PhD in Economics, University of York

**Dr Yuri Mishina**  
Assistant Professor of Organisational Behaviour/Strategy  
PhD in Organisational Theory, University of Illinois at Urbana-Champaign

**Dr Mirabelle Muûls**  
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PhD in Economics, London School of Economics

**Dr Heikki Peura**  
Assistant Professor of Operations and Analytics  
PhD in Management Science and Operations, London Business School

**Dr Jonathan Pinto**  
Assistant Professor in Organisational Behaviour  
PhD in Organisational Behaviour, University of Pittsburgh

**Dr Laure de Preux**  
Assistant Professor of Health Economics  
PhD in Health Economics, University of York

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Assistant Professor in Marketing  
PhD, University of Augsburg

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**Dr Gokhan Yildirim**  
Assistant Professor of Marketing  
PhD in Business Administration and Quantitative Methods, Carlos III University of Madrid

**Professor George Yip**  
Professor of Marketing and Strategy  
DBA, Harvard Business School

To find out more about the Management Department, please visit: [imperial.ac.uk/business-school/research/management](https://imperial.ac.uk/business-school/research/management)



## Building your academic career

The majority of our doctoral students go on to pursue careers in academia or research and our programme offers the teaching experience, skills training and guidance to help you achieve your career goals. Combined with the essential skills and experience, the people that you meet during your doctoral experience will be key to helping you secure your future academic placement.



“I am confident that the Doctoral programme at Imperial College Business School will provide me with the expertise to realise my ambition to become an accomplished academic professional.”

**Yuting Lin**  
Doctoral student,  
Department of Management

### Teaching opportunities

In order to prepare you for an academic career, our Graduate Teaching Assistant (GTA) programme gives you the opportunity to develop your teaching skills, whilst contributing to the success of the Business School's taught programmes. After successfully completing the training programme, Graduate Teaching Assistants perform a wide range of teaching duties to support the School's Master's programmes. These roles include leading tutorials and holding office hours for core courses, acting as course tutor for online courses or module leader for short courses such as Matlab and VBA, marking coursework and second marking exams.

### Professional Skills

#### Development programme

The Graduate School provides a comprehensive programme of professional skills training throughout your PhD. The Professional Skills Development programme ensures you acquire basic research skills at the start of your doctoral studies and continue to develop as a well-rounded researcher, gaining the skills and experience to successfully complete your research degree and move on to an academic career.

The courses vary in length and format, from one hour lectures, three day interactive workshops and online courses for you to complete as an information resource in your own time. They cover topics including information management, presenting, project management, statistics, career planning and writing grant applications.

### The power of networking

Your time at Imperial offers you an unrivalled opportunity to make long-lasting connections that will prove invaluable in your future career. You'll mix with fellow students, alumni, adjunct professors and visiting faculty – all with the potential to enrich you both professionally and personally. As part of a large cohort of doctoral students, you will have excellent opportunities to learn from more advanced peers, get help and support from your colleagues, and establish important friendships and co-authorships.

There is also the opportunity to expand your network across other departments and universities by attending events and workshops provided by the Graduate School, other faculties and collaborating institutions.

### International alumni network

As an alumnus of the Business School and Imperial College, you'll be part of a vibrant alumni network with over 190,000 members worldwide in more than 190 countries and with links to virtually every business sector. You'll be encouraged to play an active part in this prestigious network and to make good use of your lifelong access to business leaders, thinkers and decision-makers across all industries. Our alumni network offers you a wide range of practical benefits and connections that will be invaluable to you while you are at Imperial and during your subsequent career, such as sector-specific interest groups, guest lectures and presentations, and events across the globe.

Our doctoral graduates are now working for a wide range of universities worldwide, including:

Aston Business School

Copenhagen Business School

ETH Zurich

Hong Kong Polytechnic University

Imperial College London

King's College London

London Business School

Loughborough University

Manchester Metropolitan University

National Chiao Tung University

Renmin University of China

Singapore Management University

University College London

University of Edinburgh

University of Leeds

University of Sussex

University of Warwick

# Admissions

## Entry requirements

### Academic achievement

Applicants should have received high grades at both Bachelor's and Master's level, including a strong dissertation. From graduates of UK institutions, we expect at least an Upper Second Class Honours degree at undergraduate level and a Master's degree awarded with Merit or Distinction. We also look for the appropriate level of commitment evidenced by your personal statement and references.

In exceptional circumstances we will consider candidates with a strong Bachelor's degree but no Master's, if outstanding potential is demonstrated in the other application elements.

### GMAT/GRE scores

A GMAT or GRE score is required from all doctoral applicants and your application will not be considered until a score is submitted.

The preferred score is 700 or better overall in GMAT with element scores expected to be around the 80th percentile. This equates to: 49/60 quantitative reasoning, 36/60 verbal reasoning, 5.5/6 analytical writing, 7/8 integrated reasoning.

The preferred GRE scores are 160/170 in quantitative reasoning, 159/170 in verbal reasoning and 4.5/6 in analytical writing.

## How to apply

Our Doctoral programme has one intake each year in September. As the programme is highly competitive we recommend that you apply as early as possible before the application deadline.

All applications are made online. As part of your application, you will be required to provide the following:

- Complete degree transcripts
- Curriculum vitae (CV)
- English language test results (if applicable)
- GMAT/GRE results
- Quantitative experience statement
- Statement of purpose
- Two academic references

Once you have completed and submitted your application, if you are shortlisted, you will be invited to an interview with faculty members in your chosen field. Interviews are conducted in person, by phone or via Skype.



### Statement of purpose

Although you are not expected to have your whole thesis planned at this stage, you are required to provide a statement of purpose as a way of helping you to articulate your knowledge and ideas. It should include the following:

Your motivation for undertaking the programme

A discussion of possible research areas that you might pursue and how these are a good fit for Imperial College Business School

What interests you most about your chosen field of study

Relevant past study, industry or research experience

Long term career goals

### English language requirement

All applicants must demonstrate English language proficiency. If you are not a native English speaker, or were not awarded your degree in a qualifying English speaking country, you must complete an approved English language qualification (including GCSE English, IELTS or TOEFL) at the required level.

Full English language requirements and accepted standards are available at: [imperial.ac.uk/business-school/english-language-requirements](http://imperial.ac.uk/business-school/english-language-requirements)

### Application deadline

The deadline for applying for our 2018 intake is Monday 8 January 2018.

Candidates will be notified of the outcome of their application no later than Friday 23 February 2018.

### Studentships

All students on the Doctoral programme are offered fully funded studentships to study at the Business School, including a full tuition waiver and a living stipend for up to five years (contingent upon a student's satisfactory academic progress).





#### Terms and conditions

The information given in this printed brochure may change following publication.

In particular (without limitation) the following details may change:

The College may make changes to the programme where the College (acting reasonably) feels this is necessary. Examples may include: due to staff availability, new research, feedback from students, examiners or professional or regulatory bodies or due to circumstances beyond the control of the College.

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Modules may not all run every year, including due to staffing, timetabling or lack of student demand.

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Please check the relevant pages of the Imperial College Business School website available at [imperial.ac.uk/business-school/programmes/doctoral-degree](http://imperial.ac.uk/business-school/programmes/doctoral-degree) for the latest information.

#### Student terms and conditions

All students of the College are required to comply with the full terms and conditions and regulations of the College. Please see [imperial.ac.uk/students/terms-and-conditions](http://imperial.ac.uk/students/terms-and-conditions) for the full terms and conditions and regulations that apply to students of the College.

#### Data protection

The College processes the personal data of applicants in order to manage the admissions process. The personal data of registered students is processed for administrative purposes. Any processing of personal data will be made in accordance with the College's Data Protection Policy and the Data Protection Act 1998. Find out more: [imperial.ac.uk/admin-services/legal-services-office/data-protection/our-policy](http://imperial.ac.uk/admin-services/legal-services-office/data-protection/our-policy)

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**Student featured on the front cover:**

Krystal Lau

Doctoral student

Department of Management

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