Imperial College Graduate School
Supporting the postgraduate student experience
www.imperial.ac.uk/graduateschool
Welcome to Graduate School
Professional Development
Doctoral researchers starting 2019-2020
Meet the Professional Development Unit

Janet  Caroline  Paul  Richard
Jorge  Jane  Elena  Helal
Katerina  Chris  John
Graduate School provides

- Support
- Professional Development
- Events
Programmes

- Research Communication
- Research Impact
- Research Computing and Data Science
- Professional Effectiveness
- Professional Progression
- Professional Business Skills
- Industry & Enterprise
- GTA Programme
- Research Integrity
Research Communication

Developing the thesis
- A scientific approach to research communication (webinar)
- Literature Review
- Publication
- Thesis
- Grants

Perfecting Presenting
- Poster Top Tips (webinar)
- Present your Poster!
- Conferences and seminars
- Advanced Presentations

Thesis: Q&A session

Thesis Writing Retreat

Programme lead: Elena
Student Programme Lead: Ansari Humera
Student Programme Lead: Amit Dwivedi
Student Programme Lead: Vasiliki Papageorgiou
Research Impact

Impact in academia

- Building your research profile (W)
- Understanding UK HE (W)
- Making an impact (W)
- Alternative metrics for impact (W)
- Assertiveness in academia

Societal engagement

- Public engagement
- Communicating research in schools
- Evaluating engagement
- Patient and public involvement in research

Research Impact Retreat

Programme lead: Janet

Student Programme Hande Alptekin
Research Computing and Data Science

Research Computing Stream

- The Linux Command Line for Scientific Computing
- Introduction to HPC at Imperial
- Introduction to LaTeX
- Writing Theses in LaTeX
- Introduction to Python
- Introduction to MATLAB
- Good Software Engineering Practice

Data Science Stream

- Basic Statistics
- Introduction to sampling and Hypothesis testing (1 and 2)
- Non-parametric testing
- Regression Modelling
- Introduction to Statistics using SPSS
- R Programming
- Dataframes Manipulation with R
- Data Processing with Python Pandas
- Data Exploration and Visualisation

Programme lead: Katerina

Student Programme Lead: Natalia Wojcicka

Research Computing - Chris Cooling

Data Science - John Pinney
Professional Progression

Progression in your PhD

• Networking
• Negotiation
• Maintaining Motivation & Building Independence
• Thinking about doing a Postdoc?
• Ask the Doctor: Chat With a Doctoral Graduate at Work (W)

Careers

• An Introduction to Career Planning for 1st and 2nd Year PhDs: Eng. & Physical Sciences
• An Introduction to Career Planning for 1st and 2nd Year PhDs: Life Sciences & Medicine
• Effective CVs and Applications
• Job Search with a Difference
• Preparing for Interviews

Finish Up Move On + (FUMO +)

Programme lead: Caroline
Student Programme Lead: Ashley Brookes
GTA Programme (GTAP)

Core Programme
• Introduction to Learning and Teaching
• Introduction to Assessment and Feedback for Learning

Optional Courses
• Microteaching
• Supporting Active Learning in Labs
• Introduction to Teaching with Digital Technologies
• Facilitating Learning in Small Groups
• Inclusive Learning and Teaching
• Performative Aspects of Teaching
• Introduction to Pedagogic Research

Support for AFHEA application
• AFHEA* Webinar
• GTA Teaching Retreat

*Associate Fellowship of the Higher Education Academy

Programme Lead: Richard
Student Programme Lead: Marie Rider
Student Programme Lead: Daryl Ma
Research Integrity

- Plagiarism Awareness* (online)
- Intellectual Property (online)
- Copyright (online)
- Introduction to making your thesis open access
- Science, Research and Integrity

Information landscape

- EndNote
- Keeping Your Research Up to Date
- Data Management
- Information Retrieval
- Introducing the Web of Science Database
- Research Data Management Plans (Webinar)
- Introduction to Philosophy - Knowledge, Truth and Science?

Programme lead: Jorge

*Compulsory prior to ESA
Extended programmes
Retreats

2-day residential retreats
1. Teams and Communications
2. Research Impact & Influence
3. Thesis Writing (final year)

1-day retreat
• GTA retreat

@ Cumberland Lodge

@ South Kensington Campus
Global Fellows Programme

International collaboration: overseas programme

- Academic themes based on United Nations Global Challenges
- Team working, networking, effective communication
- Opportunity to follow with research placements
- Programmes will be announce during the autumn term.
Meet the admin team

Bethan
Kelly
Sarah
Nick
Stephanie
## How Many

<table>
<thead>
<tr>
<th>Course type</th>
<th>How Many Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ensuring Integrity Online courses</td>
<td>1</td>
</tr>
<tr>
<td>Workshops - 2-6 hours</td>
<td>1</td>
</tr>
<tr>
<td>Webinars - 1 hour online</td>
<td>1</td>
</tr>
<tr>
<td>Retreat – 1 day</td>
<td>1</td>
</tr>
<tr>
<td>Retreats - 2 days (1 night)</td>
<td>3</td>
</tr>
<tr>
<td>GFP – 5 days (5 nights)</td>
<td>4</td>
</tr>
</tbody>
</table>

You need 2 credits by your early stage assessment
And a further 2 credits by your late stage review
Online Plagiarism Awareness Course - compulsory which does not count towards the minimum attendance requirement
Community & Events

Graduate School Events and competitions

4 C’s Science Communication Competition

PhD Summer Show Case

Part-Time Researcher Conference

Enables interdisciplinary interactions & networking
Research Community Fund

• You can apply for funding to do something to bring students together
• Events must be held by the end of June 2020
• Journal clubs, away days and much more
• Follow the link below for ideas and application forms
• Cohorts provide you with an additional support network

http://www.imperial.ac.uk/study/pg/graduate-school/community-support/cohort-building/research-community-fund/

Cohort Coordinator: Caroline
Support for individuals

Coaching programme
• Four 1 hour sessions with trained coach
• Please see the website to sign up

www.imperial.ac.uk/graduate-school/doctoral-student-coaching-programme

1.2.1 Support with a tutor
• 1 hour
• Please contact the tutor directly
The Graduate School

For further information see http://www.imperial.ac.uk/study/pg/graduate-school/

Email us: graduate.school@imperial.ac.uk

Follow us on Twitter: @ImperialGradSch

Join us on Facebook: https://www.facebook.com/ImperialGradSch/

Get Blogging: https://wwwf.imperial.ac.uk/blog/icpostgrad/

Instagram: https://www.instagram.com/imperialcollegegradschool/
The GSU is a constituent union of Imperial College Union and represents over 9000 postgraduate taught and research students.

Represent your Course, Department and Faculty

- PG Course Representatives
- PG Departmental Representatives
- GSU Academic and Welfare Officers

For more info on elections: visit our webpage

http://tiny.cc/GSU

Or email gsu.president@imperial.ac.uk
Student experience

- Luke [https://www.youtube.com/watch?v=M6xHxsFCeKE](https://www.youtube.com/watch?v=M6xHxsFCeKE)

- Esther [https://www.youtube.com/watch?v=zLn6mqxMD4Q](https://www.youtube.com/watch?v=zLn6mqxMD4Q)
MARS

- Membership & Accredited Recognition Scheme
- Our courses are accredited by the Royal Society of Biology, Royal Society of Chemistry and Institute of Physics
- Scheme supports progression to Registered Scientist, Membership & Chartered Status
- Register for scheme online
- Take Graduate School courses
- Fill out required documents

https://www.imperial.ac.uk/study/pg/graduate-school/impact-and-influence/mars-membership/

p.seldon@imperial.ac.uk