



DOCTORAL SCHOOL HANDBOOK 2015/16
THE ART OF RESEARCH

TERM DATES & CONTACTS

First Term: Monday 28 September 2015 – Friday 18 December 2015

Second Term: Monday 11 January 2016 – Thursday 24 March 2016

Third Term: Monday 25 April 2016 – Friday 10 June 2016

Some programmes of study have non-standard starting dates. Please refer to your offer letter for the starting date of your programme of study. Please consult the appropriate web site before using email addresses or telephone numbers.

UCL Email and Telephone Directory

Website: www.ucl.ac.uk/directory

Tel: +44 (0) 20 7679 2000

Doctoral School

Website: www.ucl.ac.uk/docschool

Tel: +44 (0) 20 7679 7844

Email: docschool@ucl.ac.uk

International Office

Website: www.ucl.ac.uk/prospective-students/international

Tel: +44 (0) 20 7679 7765

Email: international@ucl.ac.uk

Scholarships and Funding Office

Website: www.ucl.ac.uk/prospective-students/scholarships

Tel: +44 (0) 20 7679 0004

Email: studentfunding@ucl.ac.uk

Tuition Fees and Expenses

Website: www.ucl.ac.uk/prospective-students/graduate-research/fees-funding

Tel: +44 (0) 20 7679 4125 or 4128

Email: fees@ucl.ac.uk

Student Accommodation

Website: www.ucl.ac.uk/prospective-students/accommodation

Tel: +44 (0) 20 7679 6322

Email: residences@ucl.ac.uk

University of London Housing Services

Website: www.housing.lon.ac.uk

Tel: +44 (0) 20 7862 8880

Email: housing@lon.ac.uk

UCL Careers

Website: www.ucl.ac.uk/careers

Tel: +44 (0) 20 3549 5900

Email: careers@ucl.ac.uk

UCL Union

Website: www.uclu.org

Tel: +44 (0) 20 7679 2500 (Union Reception)

Tel: +44 (0) 20 7679 2998 (Advice and Welfare)

Tel: +44 (0) 20 7679 2512 (Volunteering Services Unit)

Student Central (formerly University of London Union)

Website: www.studentcentral.london

Tel: +44 (0) 20 7664 2000

Email: general.studentcentral@london.ac.uk

Nightline – Confidential Listening Advice and Support Service for Students

Website: www.nightline.org.uk

Tel: +44 (0) 20 7631 0101

Email: listening@nightline.org.uk

UCL Student Disability Services

Website: www.ucl.ac.uk/disability

Tel: +44 (0) 20 7679 0100

Email: disability@ucl.ac.uk

UCL Student Psychological Services

3 Taviton Street,

London WC1H 0BT

Tel: (0) 20 7679 1487

UCL Postal Address and Telephone

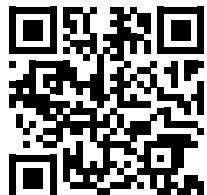
UCL, Gower Street, London WC1E 6BT, UK

Tel: +44 (0) 20 7679 2000

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Acknowledgements

A selection of entries from the Doctoral School '**Research Images as Art**' Competition 2014/15.

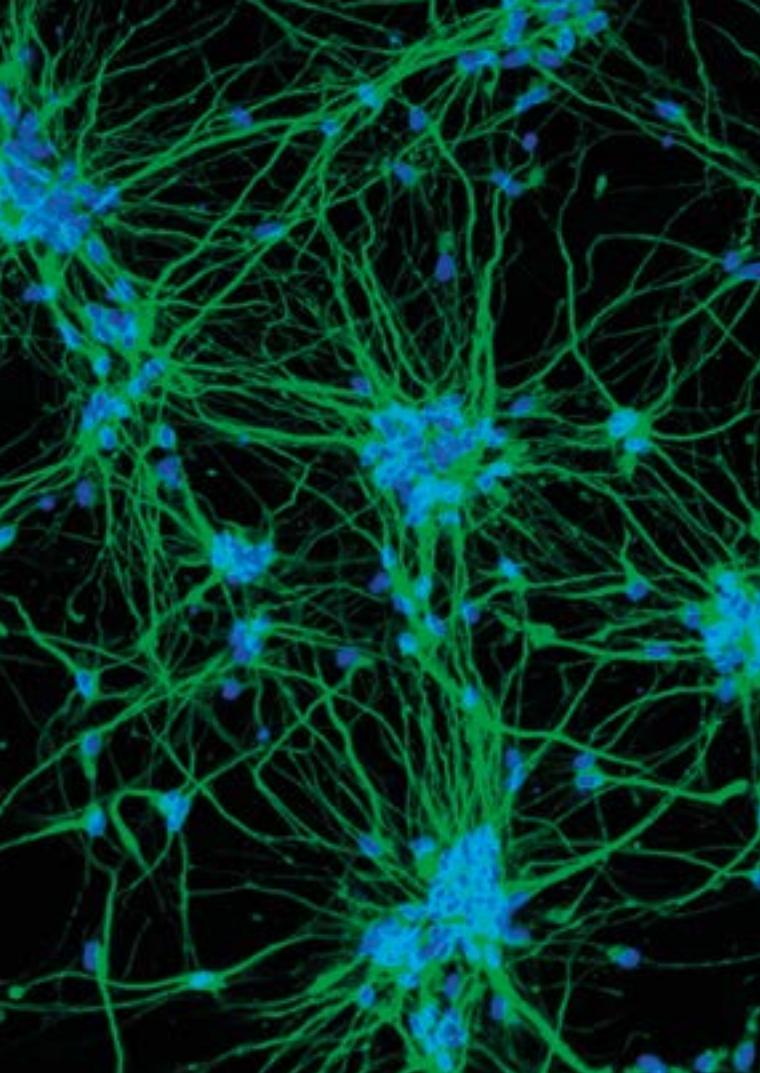
Cover Image

Mr Yunchao Tang, Bartlett School of Architecture

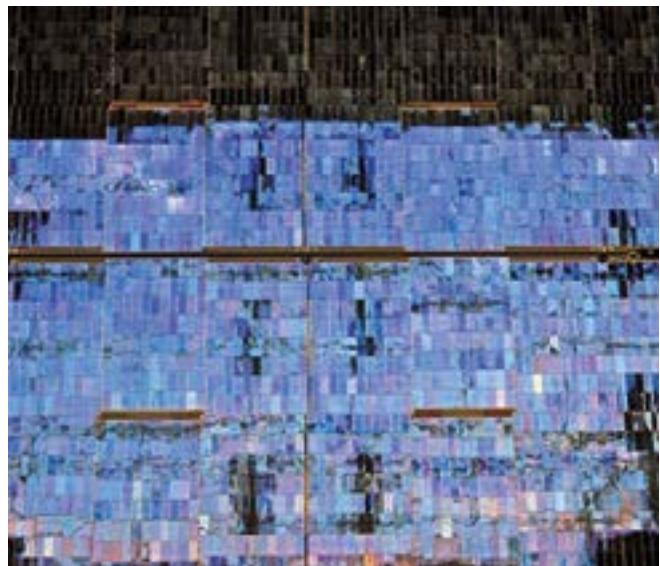
The response to the Urban as process is to explore a mechanism or a machine. The machine extracts the input data from the contextualized site to generate urban intervention as extrusion at the beginning state of the LOOP. The new urban intervention will stimulate the urban changes, fluctuate the urban flux and feed back to the urban context again. The secondary urban context as the new input data then initiates the secondary state of urban intervention generation. The process iterates itself and evolves in the motion of LOOP. The machine is also physically acting as an Extruder which collects, mixes and extrudes the materials on site. However, the parameters of the machine are defined by designers including which materials to collect, which side to extrude, how the materials distribute, how long, how thick, what shape, what material the extrusion is.

Other Research Images

Ms Paresha Amin	Miss Maria Luisa Carrera Izurieta
Mr Tom Armitage	Dr Catherine James
Mr Ahmad Baik	Miss Olga Koroleva
Miss Laura Blackie	Ms Daniela Lainez Del Pozo
Dr Helene Burningham	Mr Jonathan Leckenby
Mr Yuhan Chang	Mr Gary Marriner
Miss Sarah Choo	Mr Jun Hon Pang
Dr Fabio Crameri	Dr Maryam Parhizkar
Mr Sam Crossman	Miss Se Rin Park
Ms Stephanie Czieso	Mr Pratik Patel
Miss Angela D'esposito	Miss Emma Payne
Mrs Bernadette Devilat	Mr David-Paul Pertaub
Ms Loan Diep	Mr Manuel Siegl
Miss Maria Esteban-casañas	Mr Robert Stanley
Mr Chris Falla	Mr Sam Thomas
Mr Muye Feng	Mr Charles Thomson
Miss Carina Fonseca Ferreira	Miss Barbora Vagaska
Mr Jonathan Gardner	Miss Rona Watson
Dr Thomas Grisaffi	Dr Adam Wojcik
Mr Francesco Grussu	
Mr Stefano Gurciullo	
Mr Jonathan Haydock	
Mr Kelvin Ho	
Dr Tiezheng Hou	



Miss Barbora Vagaska
Institute of Child Health



Dr Catherine James
Institute for Women's Health



Miss Maria Esteban-casañas
Bartlett School of Architecture

WELCOME TO UCL AND TO UCL'S DOCTORAL SCHOOL



Professor David Bogle FREng
Pro-Provost of the Doctoral School

Welcome to UCL and to the Doctoral School Handbook which outlines the support available to you as a research student on one of our PhD, MD(Res), professional doctorate or MRes programmes at UCL. We at UCL are committed to ensuring that the quality of your research training is of the highest level. Here at UCL we believe that a high quality research environment informs high quality education and we are proud to have been judged to be one of the leading research universities in the world.

Currently UCL has around 5700 research students and over 6,000 academic and research staff involved in their supervision spread across our 11 Faculties. UCL academic staff have some of the strongest backgrounds in their specialist fields in the world. UCL is a centre of innovative cross-disciplinary research and across the College the research students play a vital part in this stimulating research environment. Welcome to this community.

We want you to become 'creative, critical, autonomous intellectual risk takers' through your research degree at UCL which will set you up for leadership roles in research. These characteristics are also sought in leadership roles in many areas beyond research and we hope to give you the opportunity to find out more about these too during your time here. Research is an international business so it is important that you gain experience communicating and defending your work nationally and internationally. As a member of UCL we expect you to strive for the highest standards of integrity in your work and I encourage you to read UCL's policy on research integrity: <http://www.ucl.ac.uk/srs/governance-and-committees/resgov>

The Doctoral School is here to ensure that your time at UCL fulfils your needs and expectations, equips you for leadership roles in the research world and elsewhere, and enables you to make the most of the excitement of research. We look after your interests through a Code of Practice for Research Degrees which sets out clearly the standards you can expect from UCL. The Doctoral School on-line Research Student Log provides a means to manage your project and to track your research career at UCL. It gives a focus to help you develop skills which you can apply to both the academic and non-academic worlds to set you up for your future career. Through courses, inter-disciplinary programmes and scholarships we encourage students to look beyond the boundaries of their chosen discipline, as well as sharing and broadening knowledge across disciplines through societies and competitions.

In this Handbook you will find details of activities and events to support you during your time here, and how you can benefit from them. More information and resources can be found on our regularly updated web site – www.ucl.ac.uk/docschool

We in the Doctoral School are also here to give advice particularly on issues you may wish to discuss outside your Department that may arise during your time at UCL – to help when things go wrong, as well as to celebrate your successes.

I would like to wish you the best for your research at UCL and encourage you to make the most of the rich and diverse research training environment at UCL. I look forward to meeting you at some of our forthcoming events.

A handwritten signature in black ink that reads "David Bogle".

DOCTORAL SCHOOL

WELCOME EVENT FOR RESEARCH STUDENTS

On Thursday 1 October 2015, the Doctoral School would like to welcome all research students to UCL. The purpose of the welcome session is to let you know something about the facilities offered by the Doctoral School and other departments to research students, and to give you a flavour of the exciting research community at UCL.

The session will also afford you the chance to meet the Pro-Provost of the Doctoral School as well as other key members of UCL. Information will be provided about what the Doctoral School can offer you during your time at UCL, together with information from the Postgraduate Association of the UCL Students' Union on graduate activities, social events and clubs.

The welcome session is for all research students (MPhil/PhD, EngD, DClinPsy, etc.) and takes place in Logan Hall, UCL Institute of Education.

Thursday 1 October 2015

ALL First-year Research students (MPhil/PhD, EngD, DClinPsy, etc.).

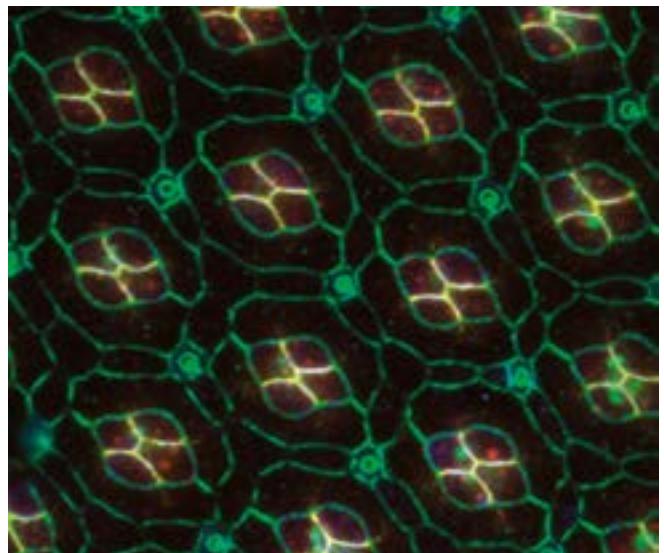
10.00–11.30

Research students from all Faculties:

- Arts and Humanities
- Brain Sciences
- Built Environment
- Engineering Sciences
- UCL Institute of Education
- Laws
- Life Sciences
- Mathematical and Physical Sciences
- Medical Sciences
- Population Health Sciences
- Social and Historical Sciences



Mr Sam Thomas
Earth Sciences



Miss Laura Blackie
MRC Laboratory for Molecular Cell Biology

THE DOCTORAL SCHOOL WEBSITE

WWW.UCL.AC.UK/DOCSCHOOL

The Doctoral School web site is the place to find out about all the support provided for you as doctoral students. It is updated regularly and you can:

- Find information on degree regulations, important contacts and events
- Register for skills development courses
- Access the on-line Research Student Log
- Apply for ethical approval from the UCL Research Ethics Committee

The web site includes the following information:

Essential Information

Codes of Practice and Regulations for research students; forms required at various stages of your programme of study and lists of Departmental and Faculty Graduate Tutors; spaces available to graduates; information on UCL's Student Support Services.

Support and Advice

Information and links to sources of support and advice for research students.

Funding / Scholarships

Information on funding available from UCL and external funders.

Research Integrity

Information and links relating to research integrity at UCL and nationally.

Doctoral Skills Development Programme

Information on all the courses and workshops currently being offered by the Doctoral Skills Development Programme, along with on-line registration.

Research Student Log

Access to the on-line Research Student Log (together with Help Guide), use of which is mandatory for all research students.

Ethics

Information, guidelines, application forms and procedures on ethical clearance for all non-NHS research projects involving living human subjects.

Postgraduate Teaching Assistants

Information for research students undertaking teaching roles at UCL.

International Study

Information for research students to develop an international perspective.

Events and Competitions

Details of the Welcome Event offered to new research students and information on competitions run by the Doctoral School each year.

Societies

Details of academic societies supported by the Doctoral School, which are run for graduate students by graduate students.

UCL Union

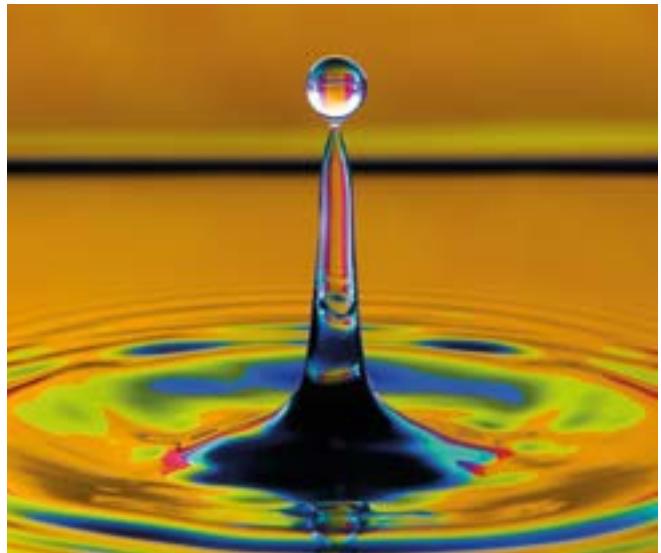
Link to UCL's Student Union

Contact Details for the Doctoral School

Tel: +44 (0) 20 7679 7844

Email: docschool@ucl.ac.uk

All this can be found at www.ucl.ac.uk/docschool

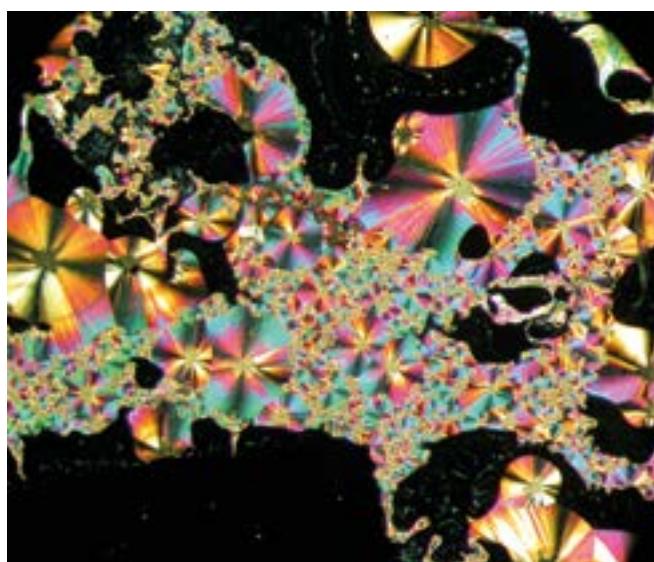


Mr Muye Feng
Mechanical Engineering

WHAT IS A RESEARCH DEGREE AT UCL?



Miss Emma Payne
Institute of Archaeology



Miss Rona Watson
Chemistry

At UCL our research degree programmes train you to be a researcher – a ‘creative, critical, autonomous intellectual risk taker pushing the boundaries of frontier research’. During your programme you will produce a thesis which documents your original ideas about your chosen focused topic, the methods you have chosen, the evidence to support your ideas, the discussion and conclusions that arise, and all presented within the context of current and past developments.

Our degrees aim to give you the skills and experience for a range of careers, outside academia as well as inside, where tasks require creativity, rigour, and depth. You will be given many opportunities to develop these skills through your research work but also through activities within your Department or Division, through attending and presenting at conferences, and through courses and opportunities available through the Doctoral Skills Development Programme.

You will find that undertaking a research degree is a different experience to the taught undergraduate or postgraduate courses with which you are familiar. It will be demanding certainly, but also we hope rewarding. You will be working under the guidance of a supervisory team who will assist, question, support and challenge you in equal measure. They will help you develop as an independent thinker and someone who takes responsibility for your own personal and professional development.

Most of our research students are pursuing a PhD programme where the outcome is based on the defence to an expert panel of a 100,000 word thesis. Some of our doctoral programmes (including the EngD) are for four years with the first year involving a number of technical courses and small research projects often leading to an MRes qualification. We also have some one year MRes programmes which are research degrees but not necessarily leading to a doctoral programme. UCL runs a number of professional doctorate programmes which include technical courses, work on an advanced professional practice portfolio, and a research thesis typically of 45,000 words.

All of our doctoral programmes satisfy the Research Degrees chapter of the Quality Assurance Agency’s ‘Quality Code for UK Higher Education’ and the Dublin Descriptors for third cycle (doctoral level) qualifications in Europe. This will give your qualification international recognition. Added to this is the global reputation of UCL as one of the world’s leading research intensive Universities.

SUPPORT AND ADVICE

There is a wealth of advice and support for doctoral students at UCL covering your academic and professional development, and assistance with more personal issues that arise. There is also support in instances where you might need specialist help.

Supervisory Team – key to your academic and professional development as a researcher, your supervisors should be your first port of call for advice and support on almost any matter: if they can't help directly, they can help you find out who can.

Departmental Administrators – have a wealth of experience to help you navigate successfully through your time at UCL. Some departments have named PhD Administrators, but all will have administrators with detailed knowledge of your department and the administration of your programme.

Departmental Graduate Tutors – often referred to by the acronym DGT, each department has an experienced member of academic staff from whom you can seek advice if you need to talk to someone beyond your immediate supervisory team.

Faculty Graduate Tutors – each Faculty also has an FGT, a senior academic representing the Faculty. You should feel able to call on their assistance if you wish to seek advice outside your department.

Student Centre – a central office for all student enquiries, you can find information for example on graduate admissions, international student welfare issues, research degrees, and changes to your student record. If the Student Centre can't assist directly they will signpost you to the correct person to help you. You can also speak to a member of the Student and Registry Services team in person by making an appointment or attending a drop-in session on a range of issues, for example: funding, support and wellbeing, disability services, chaplaincy services, student discipline/complaints.

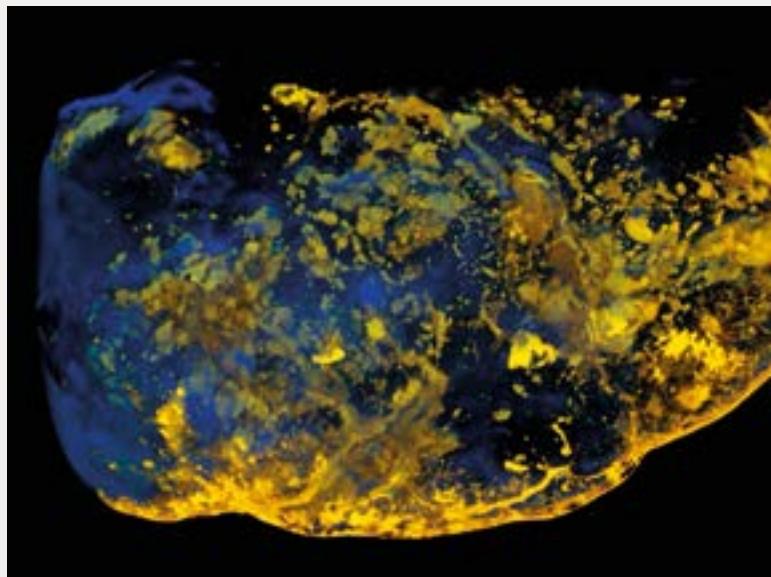
Student Psychological Services – is based at 3 & 4 Taviton Street on central campus and provides an accessible and effective professional resource for students who are facing emotional and psychological problems.

UCLU Rights and Advice Centre – based in the UCL Students' Union building on central campus, the UCLU Rights & Advice Centre is a support service for UCL students and a central point for information and advice on a wide range of issues including: immigration, housing and finance. You can also talk to them about any academic issues you are facing: as part of the Students' Union they are independent of UCL's formal structures.

UCL Doctoral School – provides advice to students and supervisors on informal matters concerning the supervisory relationship.

UCL Student Mediator – is responsible for advising and assisting UCL students with the resolution of complaints, involving staff or other students or services of UCL which the student has been unable to resolve through informal means.

The Wider UCL Community and beyond – ultimately it is down to you to make sure you seek the advice and support you need for making the most of your time at UCL. Don't forget the important support that your fellow students, other members of your department, academic and social networks outside UCL, and friends and family can provide.



Miss Angela D'esposito
Medical Physics & Biomedical Engineering

SCHOLARSHIPS AND FINANCIAL SUPPORT

The UCL Graduate Scholarships Programme has been developed to support graduate students of the highest calibre.

Graduate Research Scholarships

Who is eligible to apply?

The Graduate Research Scholarships are open to incoming and current research students from any country. The scholarships are tenable in any UCL department or institute for students pursuing studies on either a full-time or part-time basis. Successful candidates will normally hold, or be expecting to achieve, at least an upper second-class Honours UK undergraduate degree or equivalent qualification.

What does it cover?

The scholarships consist of fees equivalent to the standard postgraduate UK/EU rate (2015/16: £4,635) plus a maintenance stipend of £16,057 per annum (2015/16) for full-time study (benefits are calculated 'pro rata' for part-time students). The scholarship also includes additional research costs of up to £1,000 per year for the stated duration of the programme.

Awards are normally tenable for years 1, 2, and 3 of a full time research degree programme (or years 1-5 of a part-time programme), subject to annual review and renewal.

Where students are undertaking integrated 4 year doctoral programmes the award will be extended to the final year of study. If granted, funding begins at the start of the next academic session.

How many awards are available?

There will be up to 20 awards available in 2016/17.

Other details/criteria:

Scholarships are awarded on the basis of academic excellence and research potential.

GRS applicants from overseas will automatically be considered for a UCL Overseas Research Scholarship which consists of fee funding to cover the difference between Overseas and UK/EU tuition fees and can be held together with a Graduate Research Scholarship.

Further details available at: www.ucl.ac.uk/scholarships

Graduate Research Scholarships for Cross-Disciplinary Training (One-Year)

Who is eligible to apply?

The scholarships are open to incoming and current MPhil/PhD and EngD students. Applicants should already be in receipt of at least three-years' funding to complete their programme. The scholarships are available to those students wishing to spend an extra year of their research degree in a department other than the one in which they are registered. The duration of the scholarship is one year which can be taken at any point during the research degree programme, although preference will be given to students in their second or third year of study. The purpose of this scholarship is to encourage cross-disciplinary training, which provides the student with relevant research skills and knowledge to enhance their research.

What does it cover?

The scholarships consist of fees equivalent to the applicable graduate rate (UK/EU or overseas) plus a maintenance stipend of £16,057 per annum (2015/16) or – in the case of recipients who already hold a Research Council grant – a stipend that will match their current maintenance grant. The scholarship also includes an additional research allowance of up to £1,000.

How many awards are available?

In 2016/17, there will be up to four one-year scholarships available.

Other details/criteria: full details on how to apply are available at:

www.ucl.ac.uk/scholarships



Miss Maria Luisa Carrera Izurieta
Bartlett Development Planning Unit

SCHOLARSHIPS AND FINANCIAL SUPPORT

THE DOCTORAL SCHOOL FELLOWSHIP

Doctoral School Fellowship

The aim of the Doctoral School Fellowship is to support research students who, due to unforeseen circumstances, are unable to complete their degree without financial assistance (e.g. where there normal source of funding has been withdrawn).

Who is eligible to apply?

The scheme is open to current research students only, from any country and from any UCL department (CRS students are not eligible). Candidates must demonstrate that their circumstances have changed since registration such that, due to unforeseen difficulties, they are unable to complete their research without financial assistance.

What does it cover?

The fellowship provides stipend funding up to and including a full year's maintenance. The value of the award is based on the standard rate for UCL Studentships. A candidate's academic department must agree to cover any tuition fee costs.

Funding over multiple years will be considered if necessary e.g. where there is significant funder volatility (e.g. caused by political and/or economic crises).

How many awards are available?

Award numbers are not fixed, although funding is limited.

Other details/criteria:

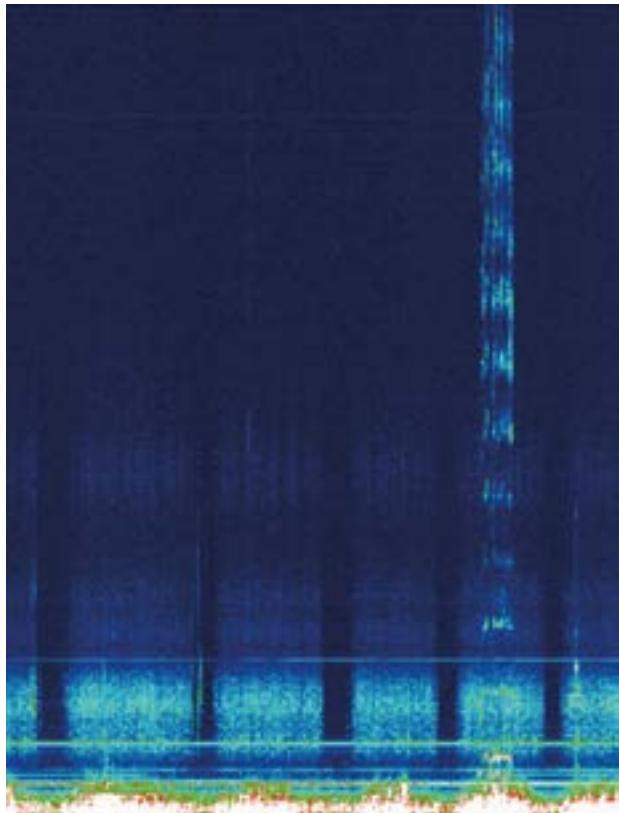
Candidates cannot apply directly for a fellowship. They must be nominated for support by their Head of Department. Full details are available via: www.ucl.ac.uk/current-students/money/bursaries/financial-advice-and-Support/doctoral-school-fellowship/

Other sources of support:

UCL also offers help with living costs through its Financial Assistance Fund: www.ucl.ac.uk/current-students/money/bursaries/financial-assistance-fund

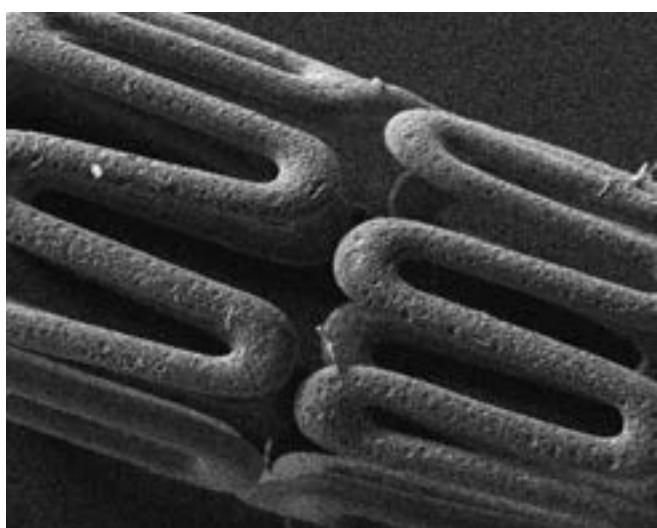
Money advice and guidance is also available: www.ucl.ac.uk/current-students/money/bursaries/financial-advice-and-Support

Further funding opportunities may also be available from your academic department or external sponsors.



Mr Manuel Siegl

London Centre for Nanotechnology



Mr Jun Hon Pang

Division of Surgery and Interventional Sciences

WELLBEING AND RESEARCH STUDENTS

General Wellbeing

Undertaking postgraduate research is an immensely rewarding experience, but it is also at times a challenging one. UCL is one of the world's leading research-intensive universities and during your time here you will face pressures: work deadlines of course, but also periods of frustration, anxiety or self-doubt even. It is important to realise that such feelings are common to a lot of research students and are nothing to be worried or ashamed about. There is much that you can do to anticipate and mitigate these concerns, and specialist support if you need it.

A range of courses and development opportunities is available through the Doctoral Skills Development Programme to assist you in managing your research and dealing with common issues: self-confidence, mental toughness, stress and anxiety management for example. There is also a range of support services when you need extra assistance.

Here are some useful points to consider – think about these aspects early on and talk to other research students in your department and to your supervisor to learn from their experiences too:

How will you cope with the inherent uncertainties and setbacks involved in doing research?

How will you deal with your work being regularly challenged?

Will you be able to work on your own over extended periods of time and/or work with teams of other researchers?

How do you feel about living apart from your current support network, family and friends?

How will you adjust to the challenges of living and working in a busy London location?

Mental Health Problems

Whilst it is not uncommon for some students to become mildly anxious or depressed while undertaking a PhD, each year a small number of students develop a mental illness, such as bi-polar disorder or obsessive compulsive disorder. It may therefore be helpful to keep the following in mind should you have any concerns about your mental health while at UCL:

1. Register with a GP as soon as you have an address in London. This will enable a referral to specialist NHS mental health services to be made as soon as possible.
2. Register with UCL Student Psychological Services sooner rather than later. This will enable you to have a psychological assessment, be offered time-limited one-to-one or group psychological support, or referred to the NHS for specialist mental health services or to a private therapist for on-going support.

Existing Conditions

If you have an existing psychological or mental health condition you should do the following as soon as possible on accepting you place to ensure that you have the support you need when you arrive:

1. Let UCL's Disability Services know that you have an existing condition in order that reasonable adjustments can be made to enable you to study as effectively as possible, e.g. organising a mentor for you, or special assessment arrangements.
2. Make sure you have a 'staying well' plan to hand, e.g. the things you should and should not do to look after your mental health and a list of people you can contact should you have a relapse.
3. Ask your existing psychological/mental health provider to refer you to a similar service in London in order to minimise the length of time you have to wait for support after starting college.
4. Factor the cost of private therapy into your budget if it looks like you will have to wait for an NHS referral or will need on-going psychological support while at UCL.
5. Register with a GP as soon as you have an address in London, especially if you are taking prescription medication, or will need to see a psychiatrist on a regular basis.

RESEARCH INTEGRITY



Dr Helene Burningham
Geography

Everyone engaged with research has a duty to consider how their work impacts on society and on the wider research community. Conduct that damages the key relationships of trust that researchers have in each other or that the public has in research can have the most serious consequences. As an integral part of UCL's leadership role in the advancement, dissemination and application of knowledge, UCL seeks to ensure that all of its academic research is underpinned by the highest standards of rigour and integrity.

UCL is committed to ensuring the highest standards of integrity in all aspect of its research activities and expects that all those involved with research at UCL maintain a similar commitment. As such UCL welcomed the 2012 Universities UK Concordat to Support Research Integrity and the five commitments contained within. The concordat also sets out the responsibilities of funders, employers of researchers and individual researchers in respect of these commitments. You can download and view a copy of the Concordat to Support Research Integrity here: <http://tinyurl.com/concordatresintegrity>

As an early career researcher it is a fundamental part of your training as a future research leader to ensure your research is conducted, and the results of your research disseminated, honestly, accurately and in accordance with professional standards. Acting professionally in your research covers a range of professional knowledge and behaviours including awareness of: health and safety; research ethics and approval processes (see over); legal requirements; conditions of funding; IPR and copyright; respect and confidentiality; good data management; attribution and co-authorship; citation/referencing and the avoidance of plagiarism; collaboration and giving due credit to collaborators; respect for equality and diversity; public engagement

and global citizenship; principles of responsible innovation; declaring conflicts of interest; as well as a thorough knowledge of the principles of professional conduct and appropriate practice in your discipline.

These are not simple issues, but such concerns are an essential part of the rigours of academic research. Your supervisory team and other specialists at UCL will help you to gain the knowledge and confidence you need for your particular project and future aspirations. In addition, as a researcher at UCL it is also your responsibility to be proactive in seeking advice and support as well as keeping up to date with the latest standards and changes in guidance and legislation relating to your discipline area/s throughout your research career.

To assist further, and as part of its Research Governance Framework, UCL operates a Code of Conduct for Research setting out the general principles of conduct by which UCL expects all research to be carried out at or in the name of UCL. The UCL Code of Conduct in research covers five main areas:

- professional and personal integrity of researchers
- process of research design
- publication process
- leadership responsibilities
- institutional responsibilities

The UCL Code of Conduct also usefully signposts researchers to the relevant associated UCL policies, for example the student IPR Policy, and Guidance for the Storage and Disposal of Data and Samples. Further information on UCL's Research Governance Framework, including the Code of Conduct can be found at:

www.ucl.ac.uk/srs/governance-and-committees/resgov

The Code of Conduct is designed to be read in conjunction with the following document that sets out the expectations of our key funders and partners on research integrity: Research Councils UK Policy and Guidelines on Governance of Good Research Conduct:

www.rcuk.ac.uk/Publications/researchers/grc

For more information on research integrity at UCL as well as other relevant policies and guidelines and training, visit the research integrity webpages at **www.ucl.ac.uk/research/integrity**

RESEARCH ETHICS

THE UCL RESEARCH ETHICS COMMITTEE (REC)

All research involving living human participants and the collection and/or study of data derived from living human participants undertaken by UCL staff or students on UCL premises and/or by UCL staff or students elsewhere must have ethical approval.

All researchers who plan to undertake activity which will come under the remit of NHS research ethics committees must gain appropriate consent from such bodies before any work is carried out. All other academic research proposals which involve human subjects, including human tissues and the storage of personal and sensitive information is considered by the UCL Research Ethics Committee (REC).

Funding bodies such as the Wellcome Trust, the MRC, the ESRC and the National Institutes of Health in the USA provide funding for research projects conditional upon ethical review of those research projects having taken place. Many publications will also no longer accept for publication results of research that was not ethically approved.

The aim of the UCL REC is to promote research excellence by increasing UCL's awareness of the ethical and data protection dimensions of research involving humans. The Committee works on a tiered system according to risk levels and comprises both academic staff and lay members.

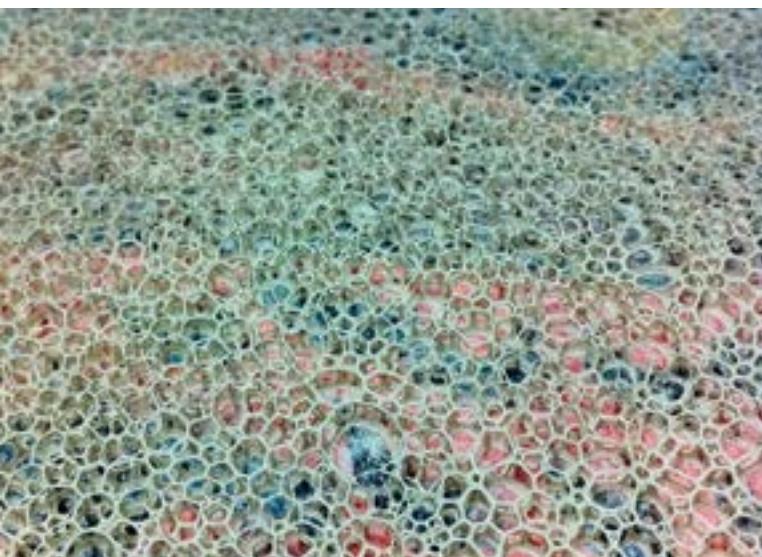
The Committee provides guidance to researchers in accordance with the ethical principles set out in the Declaration of Helsinki to ensure that the research is conducted safely, with considered consent and respect to the autonomy and privacy of the research participants and according to the principles of distributive justice. This is to protect both the participants and the researchers.

There is a widening body of professional, regulatory and legal requirements which touch upon the ethical conduct of research with human participants. The ethics application process is designed to assist staff and students in identifying what these issues might be and how best they might be addressed.

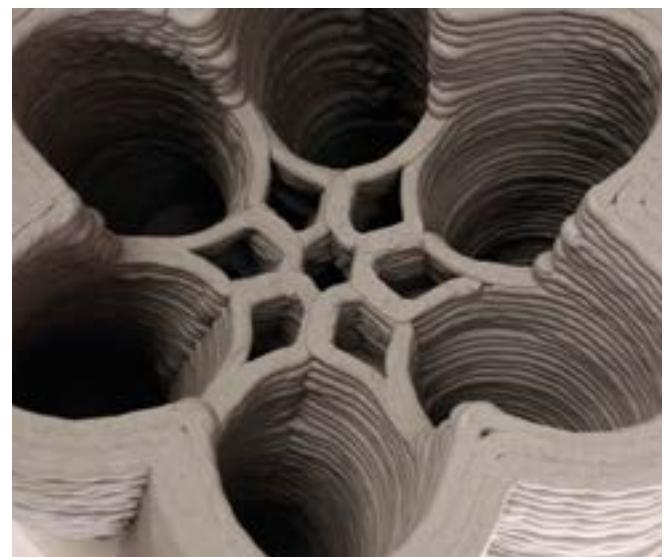
For further information and advice please email: ethics@ucl.ac.uk or visit our website at: www.ucl.ac.uk/research-ethics-committee

Research Ethics Training Courses available through the Doctoral Skills Development Programme:

- Ethics 1: Good Research Practice
- Ethics 2: Working with Human Subjects
- Ethics Committee Applications for Research Involving Human Subjects
- Working Ethically with Children and Young People as Research Participants



Mr Yuhan Chang
Slade School of Fine Art



Mr Kelvin Ho
Bartlett School of Architecture

RESEARCH STUDENT LOG, IP AND RESEARCH COMMERCIALISATION

Research Student Log

Use of the on-line Log is mandatory for all MPhil/PhD, EngD and other research students and has been devised in response to changing needs and demands on the supervision of research students, and to the expectation by Research Councils that research students should be provided with key and generic skills by universities.

It will be the responsibility of the student to maintain this Log for her or his own long-term benefit, and it will be of particular help at the point of MPhil/PhD upgrade. The Departmental Graduate Tutor will confirm that the UCL Log has been satisfactorily completed at upgrade and at thesis submission.

The Research Student Log incorporates the following main features:

- Secure access by Students and Supervisors wherever they are, nationally or internationally;
- A record of supervisory meetings between Students and Supervisor/s at regular intervals;
- A record of progress and the action plans agreed during supervisory meetings;
- Facilitates the planning and monitoring of skills development;
- Facilitates self-evaluation of the development of competence acquired in relation to skills;
- Enables student users of the Log to upload documents and images.

Information on the Log will be available for all research students on arrival from their Departments; and induction sessions will be provided by the Doctoral School.

IP and Research Commercialisation at UCL

During your time at UCL your primary focus will quite rightly be on academic research – of sufficient rigour and originality to form the backbone of a strong thesis. However, world-class research often generates ideas and technologies that have real commercial application.

Many academics get involved in the commercial development of their research results and most universities have units that:

- (1) educate researchers about technology commercialisation and
- (2) protect (e.g. via patent) and commercialise technologies.

At UCL these issues are dealt with by:

- Education regarding technology commercialisation: UCL Advances (www.ucl.ac.uk/advances)
- Intellectual property protection and commercialisation of technologies: UCL Business PLC (www.uclb.com)

If you wish to explore the commercial potential of your research then you should first discuss this with your Supervisor. S/he can refer you to a Business Manager in UCL Business who can discuss your ideas with you and in exceptional circumstances may work with you to explore the potential of the technology.

Students (unlike staff) usually own the rights to any IP they generate at UCL. This principle may however be subject to variation in the case of collaborative or externally sponsored work, or other exceptional circumstances.

Further details on UCL's policy in relation to student intellectual property can be found at: www.ucl.ac.uk/current-students/guidelines/intel_prop_rights

POSTGRADUATE TEACHING ASSISTANT SCHEME AND UCL ARENA



Miss Se Rin Park
Slade School of Fine Art

You may be asked by your department to contribute to undergraduate teaching as a Postgraduate Teaching Assistant (PGTA). The tasks you will be asked to undertake vary between department and discipline, but typically can include demonstrating in laboratory classes, leading tutorial groups and marking essays. This can be a very valuable experience: it can contribute to your intellectual development and grasp of the subject, and can also provide an additional source of income to help support your studies. The skills you acquire from teaching, demonstrating and facilitating can readily be applied to future careers in many fields, including academia, education, industrial research, or management.

Some Departments offer Teaching Assistantships, whose holders are paid a stipend and have a responsibility to undertake a limited amount of teaching as well as research for a PhD. Other Departments will employ you to undertake some paid teaching work as and when necessary. Your related duties (including teaching, preparation and training), must not compromise the time you can commit to your core research activities. Your department will provide guidance on what is expected from you in your particular teaching activities and clear workload allocation to ensure you are not overloaded.

All PGAs (whether as part of their stipend or employed) must undertake appropriate development activities to support their teaching practice. UCL's Centre for the Advancement of Learning and Teaching (CALT) offers a scheme for such training and development of PGAs, called **UCL Arena One**.

Arena One begins with an introductory Gateway Workshop, designed to prepare you as a new teacher for your teaching responsibilities, introduce you to methods in and approaches to teaching and learning, and provide opportunity to meet CALT staff and fellow PGAs as you enter the postgraduate teaching community at UCL. Attendance at this session is required for all postgraduates with responsibility for any teaching and/or assessment at UCL. You should attend if you are new to teaching or if you already have teaching experience but have not attended any prior training /development sessions.

PGAs also have the option of attending an extended course, the UCL Arena One Teaching Associate Programme, and then submitting an application for the nationally recognised Associate Fellowship of the Higher Education Academy. PGAs with a substantive teaching role which includes assessment and feedback are strongly encouraged to attend the Teaching Associate Programme.

Further information can be found on the UCL Arena website:
www.ucl.ac.uk/arena and through the Doctoral Skills Development Programme.

UCL CAREERS – FIND YOUR FUTURE

An important part of the development of a skilled researcher is the ability to manage their own professional and career development (as specified in the national Researcher Development Framework), the UCL Doctoral School actively supports research students to become career self managing through a collaborative programme with UCL Careers. We provide an extensive, bespoke menu of personal support, careers information and employer engagement opportunities which can be accessed via our Researcher-dedicated webpages: www.ucl.ac.uk/careers/specialistsupport/researchers

Specialist Support

A cornerstone of this programme is the work of our specialist careers consultants. Having research backgrounds themselves they bring with them personal knowledge and insight to better support current researchers. The consultants work closely with employer engagement professionals, employers, academics and other staff training and development professionals, both within UCL and externally, to design and deliver a careers programme that is relevant to, and meets the needs of, UCL's research student community. As our consultants have previously worked in academia and liaise closely with senior academics at UCL, they are ideally placed to provide impartial advice and guidance for individuals wishing to discuss their long term thoughts and plans for an academic career. They are also well placed to support students who wish to move beyond the academic environment. The work of the consultants is conducted through both one to one consultations and group work.

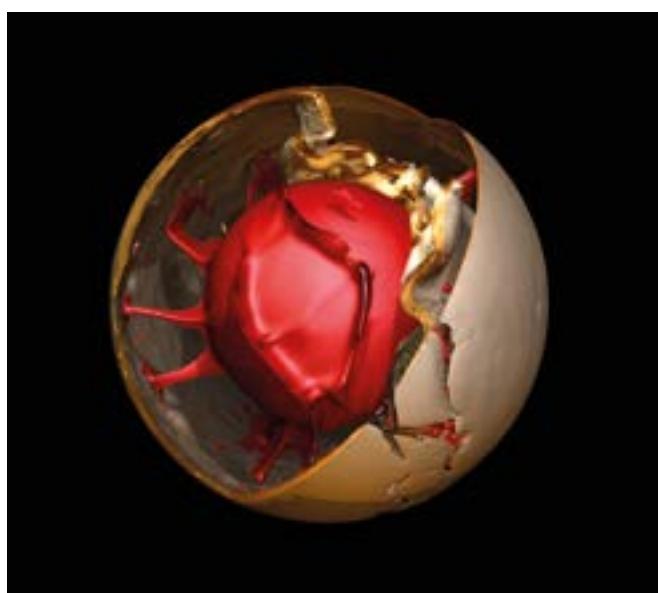
Engagement with External Organisations

UCL has a long running and extensive programme of employer engagement for its researcher community which stands it apart from most other universities in the UK. Since the inception of the programme in 2005 nearly 150 external agencies and employers have taken part in activities that are specifically designed for, and open only to, research students and research staff. This is in addition to the approximately 1000 employers that take part in our annual 'mainstream' events programme that we provide for all UCL students. The Researcher Employer Programme aims to provide research students with comprehensive knowledge of the wide range of organisations and occupations where both the subject specific and more 'transferable' skills gained through a research degree can be applied. This takes the form of a series of sector-specific events (table top discussion forums, networking events) and employer facilitated workplace skills training.

Information & Vacancy Provision

We believe that an essential part of effective career management is to learn how others have managed their careers successfully. We provide researchers with the opportunity to learn about the post-PhD career paths of people within academia and beyond, not only through our previously described events programme but also through our online collection of written case studies of UCL doctoral graduates and our video interviews with other PhD holders.

We appreciate that researchers have heavy demands on their time which can leave less opportunity for actively sourcing future job opportunities. To support you with this we have developed our 'UCL Talent Bank' job matching and shortlisting service to address the needs of researchers looking for employment where their skills and knowledge are essential or desirable. We target employers and job sectors based on the skills, expertise and ambitions of those researchers who make use of this service. We also actively search for advertised job opportunities where research skills and qualifications are essential and desirable and make these available on our 'UCL JobOnline' vacancy system.



Dr Fabio Crameri

Earth Sciences

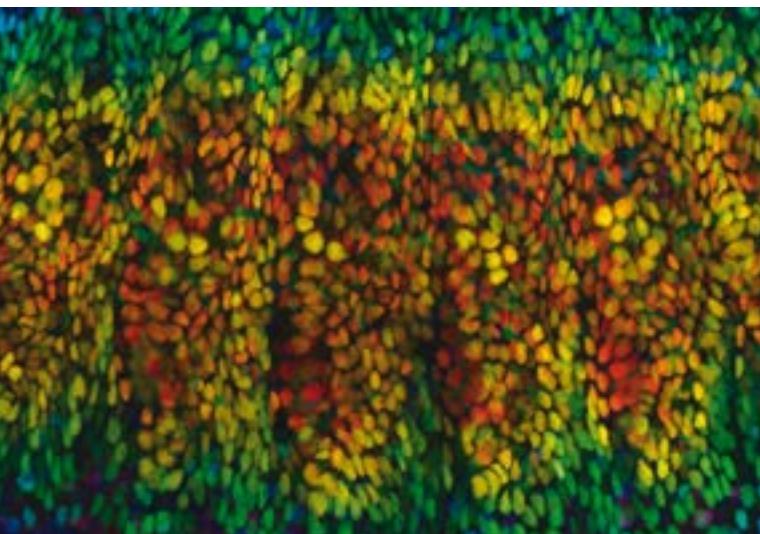
OPPORTUNITIES FOR INTERNATIONAL STUDY

Research is very much an international business – international journals and conferences are key for effective knowledge transfer and for career progression, and peer review is almost always international. International sources of funding for research (and not just European) are now so important, and global mobility is a reality in many research careers. It is important that you gain experience and confidence in communicating and defending your work nationally and internationally. Meeting people and building international networks will help in your future career.

This is of course all part of the excitement of research.

At UCL there are a number of resources which might help you as research students to develop your international perspective and activities whether you are a UK student or an international student. This includes support for attendance at conferences, some courses and activities at UCL, and the Study Leave Scheme. This latter scheme allows you to spend time at a laboratory, archive or site abroad. While funding is always an issue, there are sources available within UCL and outside, which could help you develop an aspect of your research at another location. You could really gain a stimulating new outlook on your research and the world of research in another culture.

Your Supervisor and Department will have contacts on which you can build when planning how perhaps you might make use of a period abroad. Information on International Study for research students, including the Yale UCL Student Exchange can be found on the Doctoral School's website: www.ucl.ac.uk/docschool



Mr Sam Crossman
Division of Biosciences

Yale UCL Collaborative Student Exchange Programme

Yale and UCL have entered into a unique partnership called the Yale UCL Collaborative.

As part of this exciting initiative, the two universities have launched an Exchange Scheme for doctoral students giving UCL students the chance to apply for the opportunity for a period of research at Yale as part of their doctorate under the supervision of an identified Yale Supervisor.

This opportunity has been specifically designed to enable UCL doctoral students to experience working in a different academic setting at another world-leading research intensive university and to gather skills that will enhance their current work as well as future personal and professional plans. Places are limited and offered on a competitive basis: as ambassadors for UCL, Exchange participants will be expected to make the most of their time at Yale by engaging as fully as possible with Yale's research community. Exchanges will normally be for a period of three months, but it is hoped that the experience will allow UCL's doctoral students to forge enduring links between the two institutions and within their research areas. This is a great opportunity – here is what a couple of our previous Exchange participants have said:

"I am extremely grateful for the help of UCL in making the most of an opportunity to study at Yale for a term and I cannot recommend it highly enough to anybody else who might be interested. Everybody at Yale was very friendly and helpful and they provided the perfect environment for me to do some excellent work."

"My exchange at Yale University was a great experience I would not have wanted to miss. I gained new knowledge, was able to be a part of another academic environment, meet new people and get new ideas for my project and my future career. I am very thankful that I have been given this opportunity."

UCL CULTURAL CONSULTATION SERVICE FOR STUDENTS AND STAFF (UCL CCS)

Every year, UCL welcomes large numbers of students who have come to study in London from different cultures and countries around the world, including different regions of Britain. This is an exciting time. However, we know that many students discover that studying in an academic environment which is different to the one they are used to can be challenging. Staff at UCL are also from a diverse range of cultures. Cultural dimensions of engaging with students and delivery of teaching frequently arise.

The UCL CCS is for any UCL student or member of staff who may be experiencing an inter-personal issue which they think may have a cultural dimension.

At present, the service is run by two members of staff:

Dr. Caroline Selai, UCL Institute of Neurology and
Dr. Sushrut Jadhav, UCL Division of Psychiatry.

They both have experience and expertise in this area. A team of consultants from across UCL's teaching and student community are also available for advice.

The CCS can help people in a number of ways, usually offering a one-hour initial meeting during which the person seeking advice will have the opportunity to discuss their situation in detail, in an informal and friendly atmosphere. You may be given a follow-up appointment and asked to complete a small exercise for 'homework' before coming to the next meeting. All meetings are confidential.

Recent examples:

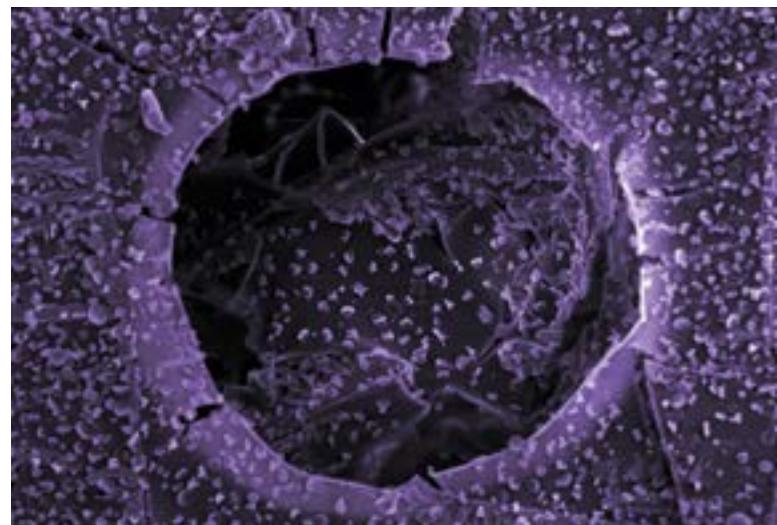
1. a student coming from a war-torn country was grateful for a safe space to tell her story.
2. a puzzled student wanted to discuss 'feedback' he had received on a piece of coursework, which opened up a more general discussion about giving and receiving constructive criticism.
3. a student experiencing a cultural conflict with her supervisor was encouraged to explore both her own perception of the situation and to consider other possible perspectives.
4. in the aftermath of a major life event, exacerbated because she had been away from her family, a student felt 'blocked' and was temporarily unable to continue writing her PhD thesis.

Further examples can be found on our web-page www.ucl.ac.uk/ccs and are catalogued on our growing data-base of case studies.

The CCS is there to help with these types of situations and lots more. Please do make contact – by sending an email to culture.consult@ucl.ac.uk – even if you are feeling unsure whether this is the right place to come. Many people have said it was a relief to talk to someone and they wished they had done so sooner.



Mr Tom Armitage
Earth Sciences



Dr Maryam Parhizkar
Mechanical Engineering

YOUR FEEDBACK – UCL PRES (POSTGRADUATE RESEARCH EXPERIENCE SURVEY) AND THE STUDENT BAROMETER

Being part of UCL's doctoral community means being engaged in a dialogue with us about your experience at UCL – letting us know what you particularly value and things that you would like to see improved.

Surveys – PRES and the Student Barometer

Every two years UCL takes part in the national PRES (Postgraduate Research Experience Survey) usual from early March until May. The next PRES survey is scheduled to run in 2017, so please look out for the announcements then.

The survey is a major vehicle for our research student community to provide us with feedback on their experience. We need to know what UCL's researchers think so we can address issues and keep doing what is valued.

PRES asks questions about the key areas of the research student experience, for example: supervision; resources; research skills and professional development; opportunities; as well as overall experience. PRES is a national survey, co-ordinated by the national body for improving teaching and learning in Universities, the Higher Education Academy. The last time PRES ran, over 48,000 students took part from over 120 HE providers – nearly half of all research students in the UK.

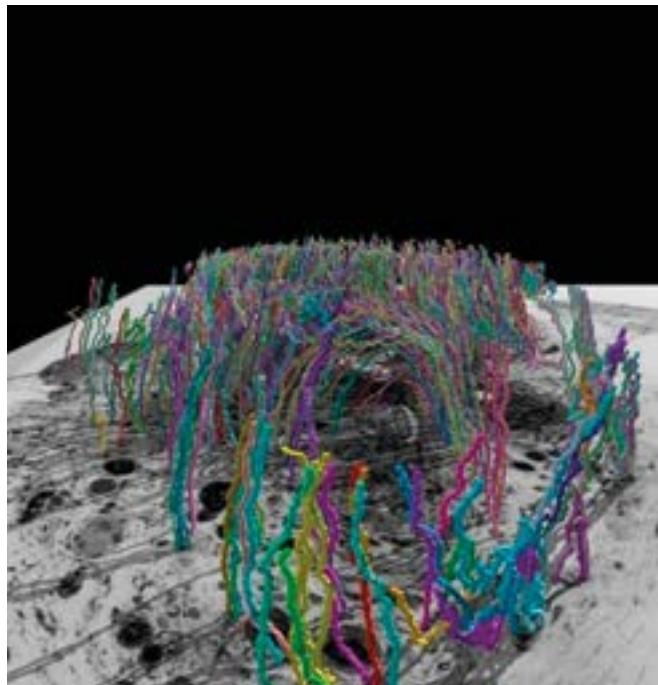
Once the results are collated, we analyse them and publish them on the Doctoral School's website. From there they are discussed by the key UCL committee looking after the standards of research degree provision, Research Degrees Committee, and with the various stakeholders (for example UCL's Faculties, the UCL Student Union) to make sure we identify and implement an action plan for the coming period. The Doctoral School's website is used to let you know what has been done to improve things in light of your feedback.

Our results allow us to hear what you think about your experience at UCL, but also to compare them against the national view. The Doctoral School uses the information gained to consider how to make improvements locally, and also to inform our work for the wider research student community through national bodies like Vitae, or LERU (the League of European Research Universities).

Informal Feedback and Formal Representation

Each autumn all UCL students also have the opportunity to complete the Student Barometer Survey. Whilst this is not specifically aimed at research students like the PRES Survey, there is always a healthy response from UCL's research students and we would encourage you to look out for this as well.

There are of course other informal and more formal ways of letting us know your views, for example by speaking to your supervisory team and members of your departmental and faculty staff (or via the PGA – see over). You can also do this via your Staff Student Consultative Committee which meets at least twice per year and whose membership includes at least one member of staff responsible for research students, and at least one research student representative (unless there is a separate committee just for graduate students).



Mr Jonathan Leckenby
Division of Surgery and Interventional Sciences



Mr Chris Falla
Bartlett School of Architecture

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

The Doctoral Skills Development Programme is open to all research students at UCL. The courses are offered in addition to any courses that may be provided by your Department or Faculty. Their purpose is to give you the opportunity to expand your generic research skills and personal transferable skills. These skills are intended to help your research at UCL and also to enhance your professional skills and employability.

An extensive programme of activities is on offer for the 2015/16 academic session, covering a wide variety of training options from half-day workshops and intensive week-long courses, to term-long programmes of training. Tutor-led workshops are complemented by one-to-one expert sessions, residential courses, internships, and on-line learning opportunities. Courses are designed and taught employing the expertise and specialist knowledge available throughout UCL, complemented by input from industry, employers and external consultants. UCL research students also have the opportunity to take skills development courses at other institutions in the Bloomsbury area.

Research students should use the self-assessment tool in the Research Student Log to identify, in discussion with their Supervisor, which courses from the Doctoral Skills Development Programme and any Departmental / Faculty training courses they need to attend, and then select a range of courses to be taken over the full period of their research degree programme.

Registration for most courses is on-line and information and timetables can be found via the Doctoral School's web site at:

www.ucl.ac.uk/docschool

Please note that some of these courses are very popular, and places may be limited. To avoid disappointment please register early. Please also note that once a student has registered for a course, s/he will be expected to attend.

Training Requirements for Research Students

All research students at UCL are expected to take full advantage of the training on offer and should be aiming to participate in the Doctoral Skills Development Programme and/or appropriate other activities to a degree equivalent to two weeks per year.

All Research Council funded research students are required by their funding bodies to participate in the Doctoral Skills Development Programme and/or appropriate departmental courses to a degree equivalent to two weeks per year of their funded studentship (ie 3 years for 3-year MPhil/PhDs and 4 years for 4-year PhDs, EngDs etc).

Each training activity on the Doctoral Skills Development Programme website is assigned a number of points. A point is worth approximately ½ day of training: two weeks of training per year is therefore equivalent to 20 points per year (ie., 60 points over 3 years, or 80 points over 4 years).

Skills and Log Induction Session for Research Students and Supervisors

This interactive session presents the tools that researchers will be using throughout their degree programme for self-assessment and self-directed development of the broad knowledge, skills and attributes expected from today's researchers.

The session will introduce new research degree students to the Doctoral Skills Development Programme and the Research Student Log, showing how they can maximise their potential and research experience whatever their intended career paths. Researchers will also be introduced to the national Researcher Development Framework and guidance will be given in identifying both areas of relative strength and areas to be developed, taking an evidence-based approach to the development of both.

Consideration is also given to communication and meeting management, to ensure that meetings with your research supervisors and advisors produce outcomes which are productive for all concerned.

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

'Your PhD' Programme

A programme of three one-day workshops specifically designed for first year research students, addressing issues important both to the initial phases of your research and beyond:

1. Your PhD Part 1 – Reading for a PhD – The First Important Steps

Efficient Reading (morning session)

Journal papers, theses and textbooks, the Internet: how can the modern researcher keep up with the information flood? In contrast to simple speed-reading courses, this workshop takes one step back and shows research students how to judge what is worth their time and attention in the first place, then leads them to attainable improvements in personal reading rates and retention by understanding cognitive processes.

Literature Review (afternoon session)

Leading naturally from the morning session, this module explains the right way to tackle a literature review, frequently the earliest task in the research process. The scope and objectives of a literature review will be made clear, and the strengths and weaknesses of the various types of material will be discussed. Effective note taking and record management, avoiding plagiarism, and structuring the review appropriately will be covered.

2. Your PhD Part 2 – Management Skills for Researchers

Managing Your PhD (morning session)

This module approaches the PhD from a project management perspective, equipping research students with the organisational, and time- and resource-management skills to help them complete on time and remain in control. The fact that the research student is the project manager is emphasised.

Personal Effectiveness (afternoon session)

Being effective is the ability to 'make a difference', either to a team or organisation – or to yourself. Effective people are confident people. This workshop recognises self-confidence as a core attribute. Research students will also see how assertiveness should be used to help achieve their goals.

3. Your PhD Part 3 – Managing and Producing Your Thesis and Reports

Morning session

Writing a report, journal paper or thesis is a process and, as such, can be managed. The morning will be spent talking about all the aspects of planning and controlling this process including scoping documents, understanding their objectives and writing for different audiences.

Afternoon session

Ways to express complex and advanced material clearly and succinctly both in text and figures will be thoroughly reviewed. Outlines and frameworks, writing techniques, editing, graphics and avoiding writer's block are covered.

Critical Thinking and the Researcher

Critical thinking may not matter much when choosing a washing powder. This highly interactive day of exploration concerns those times when it really does matter, specifically in the conduct of research. Critical thinking is one of the higher abilities examiners are looking for in the research degree candidate, so the greater our understanding and application of critical thinking, the better researchers we shall be.

Course objectives include:

- Enabling participants to engage effectively in scholarly debate - and with greater confidence - in a number of settings including seminars, presentations, viva voce examinations
- Developing participants' abilities to critically evaluate both their own research and that presented in the literature
- Enabling participants to judge strengths and weaknesses in research methods and defend their own approaches when challenged
- Cross-pollination of ideas and experience between different academic disciplines

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Introduction to Qualitative Research

This course aims to introduce you to semi-structured interviewing for qualitative research. It provides a practical, workshop approach that will prepare you for your first interview, as well as incorporating some formal slides to build your knowledge of the process.

There are two parts to this session:

Theory

- Introduction to qualitative research and interviewing
- The principles of interviewing for research
- Reflexivity and influence

Practice

- Development of interview questions and topic guides
- Prompting, active listening and non-verbal elicitation
- Interviewing in practice

On-line Research Skills Modules

The UCL Doctoral School, in collaboration with a consortium of seven other leading research-intensive universities has developed a range of on-line introductory training modules, now available to graduate students at UCL.

The modules cover topics of interest in the research environment, including:

- Introductory Video: the importance of skills training for PhD Students
- Career Planning in the Arts, Humanities and Social Sciences
- Career Planning in the Sciences
- Ethics 1: Good Research Practice
- Ethics 2: Working with Human Subjects
- Getting Published in the Arts
- Getting Published in the Sciences
- Intellectual Property in the Research Context
- Managing your Research Supervisor or Principal Investigator
- Project Management in the Research Context
- Research Methods in Literature Review
- Research Methods in the Arts and Humanities
- Research Methods in the Sciences
- Research Methods in the Social Sciences
- Selecting a Conference, Presenting and Networking

The on-line modules, designed as introductions to the various subjects, feature high-quality video interviews with eminent members of the research community. You can find direct links to these courses from the Doctoral Skills Development Programme pages.

Library Services – Using Electronic Resources

Early on in your research, you will need to survey the literature of your topic to see what work has already been done in the area and what books, articles and papers are available. You will also need to keep up to date with new literature throughout your research.

Searching is done mainly through electronic catalogues and databases, which are made available to you by UCL Library Services. These can be powerful research tools, but library staff will show you how to use them effectively and how to devise appropriate search strategies. Interpreting the results you get requires you to use other electronic and printed library resources, such as books, journals and internet-based services. Most library users need and appreciate a 'map' of this research territory, which library staff are happy to provide.

As well as offering introductory and advanced training specifically for graduate students, Library Services also offers regular ongoing subject specific and generalist training and awareness sessions. Faculty-specific information skills training is also available on-line.

IT Skills

A wide range of taught IT training sessions, including postgraduate only sessions, will be available throughout the year in a range of topics including:

- File management
- Creating web pages
- Microsoft Office applications
- Statistical packages
- End Note
- Programming
- Photoshop

A range of on-line IT Training opportunities is also available.

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Graduate IT Drop-in Clinic

A drop-in IT support and training service is available in term time in the DMS Watson Teaching Cluster. Information Systems staff are on hand to help with applications including:

- Microsoft Office (Excel, Powerpoint, Access, Word – including dissertation/thesis format issues)
- Statistical computing (SPSS, Stata)
- Programming (C/C++, Matlab, Java)
- Qualitative analysis software (Nvivo)
- Formatting longer documents (Word, LaTeX)
- Bibliographic software (End Note)
- Database design (Access)
- Web development (PHP, MySQL)
- Other specialist packages by arrangement

Graduate students will also have the opportunity to follow multimedia on-line learning in STATA, SPSS and Matlab at these sessions.

ECDL (European Computer Driving Licence) Qualification For Graduates

The Doctoral School and UCL Information Services offer the opportunity for a number of graduate students to complete the European Computer Driving Licence programme.

The European Computer Driving Licence programme is designed to deliver and assess key IT skills leading to the internationally recognised ECDL qualification. In order to gain the ECDL you must pass seven module tests:

- Module 1 – Security for IT users
- Module 2 – IT User Fundamentals
- Module 3 – Word processing
- Module 4 – Spreadsheets
- Module 5 – Databases
- Module 6 – Presentations
- Module 7 – Using E-mail and the Internet

UCL is an accredited testing centre for the ECDL and offers paper-based and on-line learning materials and individual support to those who wish to complete the qualification. We also provide regular testing sessions and mock tests.

The programme is offered free of charge and includes both paper-based and on-line learning materials for self-study, facilitated study sessions and testing sessions.



Mrs Bernadette Devlat
Bartlett School of Architecture

Statistics For Researchers

This statistics provision for graduate research students is run by specialists from UCL's Department of Statistical Science. The programme aims to give research students an understanding of principles of statistical demand and analysis and their relevance to research in a range of scientific disciplines. Sessions will generally be partly lectures and partly question-and-answer workshops as appropriate.

They are grouped as follows:

- 1. Scientific Method, Probability and Statistics**
- 2. Observational Studies**
- 3. Design of Experiments**
- 4. Analysis of Data and Graphical Methods**
- 5. Workshop/Clinic**

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Basic Statistics For Research: An E-Learning Course

'Lies, damned lies and statistics' – not if you complete this web-based course in basic statistics!

If you want an understanding of simple statistical methodology so that you can design your study appropriately, choose the correct statistical analysis relevant to the aims of your research, provide some answers using SPSS computer software, and then interpret your results, as well as those presented in the literature, then this course is for you.

You need no prior knowledge of statistical theory and no mathematical ability. However, you will need a computer with internet access as you will be using Moodle, an e-learning system, for this course so that you can work through it at your own pace and at times of your choosing.

The course is divided into 7 modules:

- Summarising Data
- Hypothesis Tests for Numerical Data
- Procedures for Categorical Data
- Correlation and Regression
- Sample Size Estimation
- Assessing Agreement
- Diagnostic Tests

Project Management

The course provides students with an understanding of the skills necessary to manage a project successfully, particularly in a business context. It includes the project triangle (which highlights the tensions between quality, cost and schedule), understanding the requirements of various project stakeholders, planning the project, monitoring progress and finally closing the project down.

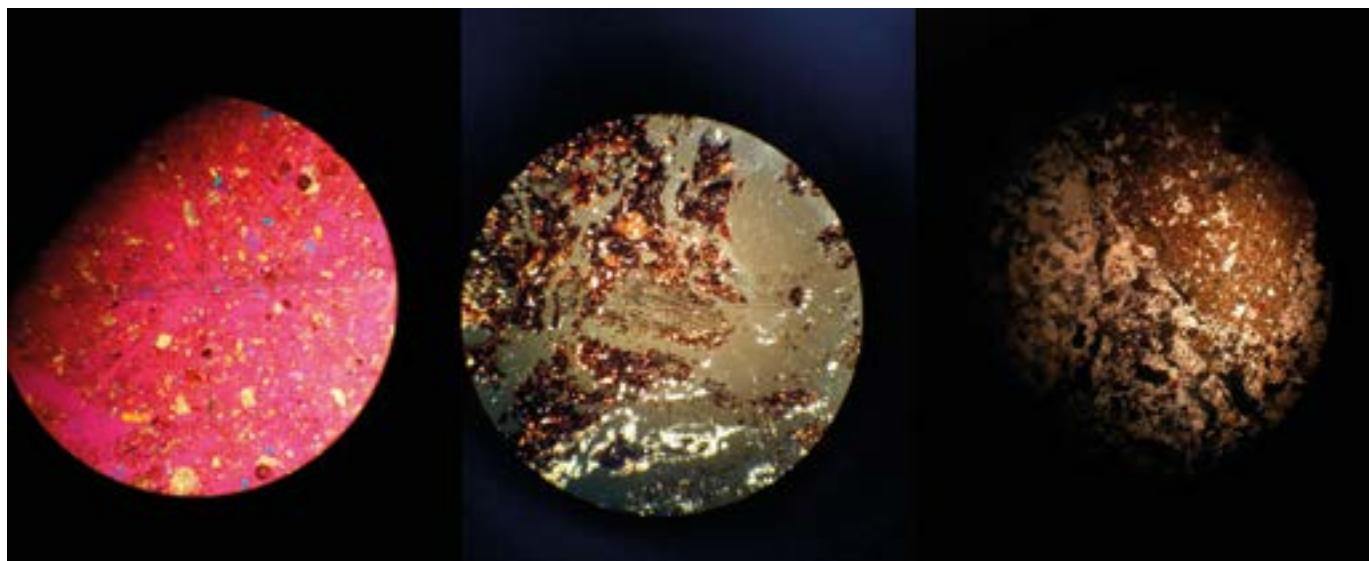
Project Management is an important skill which is widely recognised in both industry and academia. As well as helping students manage their academic research projects, the course will be of great benefit in their future careers.

Introduction to Matlab

The aim of this course is to provide an introduction to the Matlab programming environment for research students. This is a useful system for mathematical modelling, and scientific research in general. This course includes lectures, lab work and tutorials.

Topics covered include:

- | | |
|--|---|
| <ul style="list-style-type: none">• Matrix Operations• Control flow• I/O | <ul style="list-style-type: none">• Script files• 2D and 3D graphics |
|--|---|



Mr Gary Marriner
Institute of Archaeology

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Introduction to Scientific Programming in Python

The aim of the course is to introduce the student to scientific programming in Python. This course is for the complete beginner and there is no mathematical or programming prerequisite. After introducing the basic concepts, the course focuses on teaching the skills required to solve real-world data analysis problems that commonly arise in research. This includes loading and manipulating data sets in various formats, applying various common analysis techniques (such as regression and clustering), and producing plots and figures.

Topics covered include:

- Introduction to programming in general and in the Python programming language in particular
- Writing simple programs in Python using basic concepts such as loops, if statements, functions, strings, lists and dictionaries
- Using Python and the Numpy, SciPy, and Matplotlib packages to manipulate and analyse data files in a variety of formats and to create simple visualisations

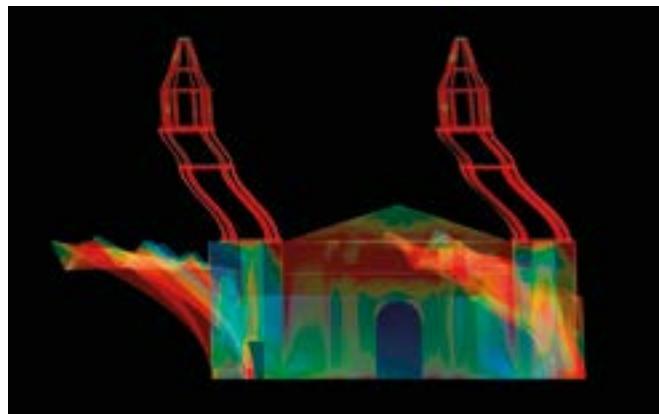
Speed Reading

Speed reading helps you to both read and understand a text more quickly. It is an essential skill in any environment where you have to get through large volumes of information quickly, particularly during your research degree.

By the end of this session participants will:

- Identify the current level of speed reading
- List and test speed reading techniques
- Read and understand a text twice as fast as their current level per minute.

This active session will teach you the key techniques and methods of speed reading to help you master this skill in a friendly and relaxed environment.



Miss Carina Fonseca Ferreira

Civil, Environmental & Geomatic Engineering

Academic Reading Courses: French and German

Academic reading courses in French and German, run by the UCL Centre for Languages and International Education, are offered from beginner's level and are especially designed to assist research students with the acquisition of these skills from the very beginning of their graduate studies.

All courses are taught by language tutors with experience in research and in the methodology of reading skills. Students select a number of texts relevant to their own research for analysis in both the group work and workshops. In the workshops particular attention is paid to participants' individual needs (please note that the workshops may not run every year). Participants who complete a course are able to read and translate complex texts as well as scan research material in order to assess its suitability.

Note: The Doctoral School will only fund students who, after they have registered for their degree, unexpectedly find that an academic reading course is essential to carrying out their research. (Most students requiring French or German will already possess these language skills on entry to their degree programme).

Modern Languages

Should a PhD student find that they unexpectedly require an additional foreign language to continue their research, the Doctoral School will, in some circumstances, fund students to attend an evening course at the UCL Language Centre. A range of language courses is offered, from beginners to advanced levels. All four skills are taught – reading, writing, listening and speaking – with particular emphasis on oral communication.

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Pronunciation & Public Speaking for Advanced Learners of English

This course is designed for graduate research students whose first language is not English, who are expected to speak at public lectures, seminars and conferences.

This one-term course, identifies students' pronunciation difficulties and provides assistance with English pronunciation. The aim of the course is also to assist students to acquire adequate presentation skills in order to enable them to function more effectively in higher education or in a professional environment.

The teaching consists of one weekly two-hour session, over nine weeks. In addition, every student is provided with one individual tutorial which takes place during the course at a time arranged between the student and the tutor. Regular general feedback on pronunciation and presentations is provided in the class, and a complimentary video copy of the students' presentations enables the participants to re-analyse their performance outside the classroom.

Pronunciation And Academic Speaking for Learners of English

This one-term course for learners of English, identifies students' pronunciation difficulties and provides assistance with English pronunciation.

The aim of the course is to improve students' confidence and ability to make themselves understood when speaking English. This will enable students to function more effectively in an academic environment such as seminars, tutorials and demonstrations as well as day-to-day communication with staff or students. The course does not include specific work on presentations but will include class discussions and some elements of social English.

The teaching consists of one weekly two-hour session, over six weeks. In addition, every student is provided with one 30-minute individual tutorial which takes place during the course at a time arranged between the student and the tutor. Regular general feedback on pronunciation and extended speaking is also provided in the class.

Thesis Writing for Research Students whose first Language is not English

This programme of courses, run by the UCL Centre for Languages and International Education, is specifically designed for graduate research students whose first language is not English and aims to equip students with the skills of academic writing in English. The two options/modules of the programme provide support at different points in a graduate's research.

Option A (for 1st and 2nd year Students)

This module aims to present and practise the organisation and rhetorical structures of the thesis together with the associated grammar. The course syllabus includes the following topics:

- Paragraph structure/Unity and Coherence
- Essay structure
- Introductory and concluding paragraphs
- The stages in an introductory chapter
- Literature Review
- Methods and Materials
- Results
- Discussions
- Abstract
- Sentence structures and punctuation
- Style
- Argumentation

The course will allow students to consider the practical application of the skills learnt to their own work.

Option B (for final-year students)

Option 3 aims to provide individual feedback on short extracts of thesis chapters in draft form and to suggest further work to consolidate and extend the student's academic writing. The tutorials provide practical advice, support and exercises to improve structure and style.



Mr Ahmad Baik
Civil, Environmental & Geomatic Engineering

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Leadership in Action

Leadership in Action is an outstanding three-day intensive experiential leadership programme designed to prepare researchers for leadership in their chosen research field and which will also place them in good stead to show leadership within the wider community.

The course will help researchers to:

- Explore the concept of leadership
- Build confidence in your leadership style
- Give yourself more choices in how you lead
- Understand the impact you have on those you are leading
- Influence people towards a common goal
- Identify how these skills can benefit you in your current research role and beyond.

All participants will have a chance to lead a group project while receiving support and constructive feedback on their leadership style from expert coaches.

Getting the Most out of your Supervisory Relationship

Ever felt you just couldn't get it right?
Had a question you were too afraid to ask?
Said 'yes' when you really meant 'no way!'?

This workshop offers research students an opportunity to acquire skills that will enable them to get more from a supervisory relationship and so increase self-confidence and levels of achievement. By the end of the workshop you will look at:

- ways to approach difficulties in the supervisory relationship
- how to challenge unrealistic expectations in yourself or your Supervisor
- what can make supervision more effective and enjoyable

Student Business Advisor: Individual Tutorials

UCL Advances offer a great opportunity for graduate students to make the most of their business ideas, through 1-2-1 tutorials with UCL's Student Business Advisor.

Meetings with the Advisor last around an hour and will help you to brainstorm your business ideas, providing you with advice on various aspects of setting up and running a business, such as:

- how to evaluate the feasibility
- conducting relevant market research
- preparing a business plan
- identifying the competitive advantages
- developing the most appropriate business model (ie. how can you make money from your idea?)



Ms Paresha Amin
Slade School of Fine Art

DOCTORAL SKILLS DEVELOPMENT PROGRAMME



Ms Daniela Lainez Del Pozo
Geography

UCL Bright Ideas Awards

The Doctoral School is working with UCL Advances to provide funding for the Bright Ideas Awards, aimed at supporting the development of new student-led businesses emerging from UCL. The UCL Bright Ideas Awards draw on an annual fund of £50,000, available to be offered as convertible loans to businesses led by UCL students. Up to £25,000 is available for businesses led by undergraduate students and £25,000 is available for businesses led by post-graduate students.

The UCL Bright Ideas Awards aim to help bridge the gap in which many new companies find themselves when they search for their first funding. In the university context, this is a particular problem for those businesses that emerge from unconventional beginnings or where they have a seed of an idea, but are not yet ready for venture capital investment.

The winners of these awards will share up to a total of £50,000 in funding that will be offered as a loan to help get their businesses up and running. Specifically, it is hoped that the money will allow the winners to reach the next crucial milestone in their development, whether that be the first prototype or support for landing the first customer.

UCL London Entrepreneurship On-line

London Entrepreneurship On-line is a free entrepreneurship education video resource from UCL Advances, ideal for graduate students looking to widen their knowledge of enterprise and related activities.

On the dedicated website you can view entrepreneurship lectures from leading entrepreneurs, entrepreneurial research case studies, enterprise forums, entrepreneurship training workshops and more.

An innovative search facility allows you to link directly to the most relevant content from within the entire video collection. You can get involved too by adding comments, sharing and rating the videos on this site.



Ms Loan Diep
Bartlett Development Planning Unit

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Preparing for your Viva

This one-day course will help you prepare thoroughly for your viva. Half the time will be spent dealing with effective preparation including anticipating possible questions, preparing answers and dealing with nerves. The remainder of the course will consist of a range of guided mock-viva activities in small groups. Students from similar disciplines will be grouped together.

By the end of this course you will:

- Understand the viva process and what examiners are looking for
- Consider the strengths and weaknesses of your thesis and how to respond to likely questions
- Develop a personalised action plan for how to continue your viva preparations
- Have experienced a mini mock-viva

Generating Grant Funding

This course aims to provide a condensed yet comprehensive introduction to how to obtain grant funding. During the course you will learn about possible avenues of funding and understand the process by which grants are awarded. The course will then focus on how to write an effective proposal, prepare a presentation and respond to questions and reviewer's comments. It will involve lots of examples as well as practical written and oral exercises.

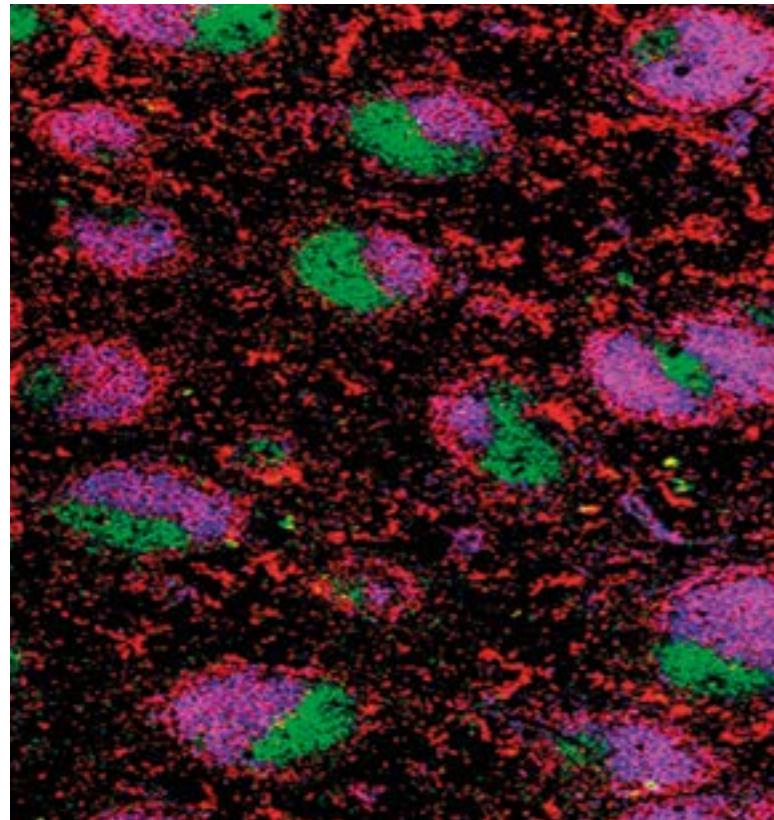
By the end of this course you will:

- Understand the grant awarding process
- Know how to turn a good idea into a great proposal
- Know how to avoid common errors on your proposals
- Be better prepared to pitch and defend your proposals
- Generate a personalised action plan to help you obtain funding in the future

Conference Abstracts and Posters

You have done some good work and want the world to know about it quickly. Attending an academic conference is an excellent way of announcing it. It is also an opportunity to network with international colleagues. This course will enable you to:

- identify the different readers and decision-makers that you need to consider when planning the abstract and poster
- determine the key message of your abstract and of your poster
- write the abstract quickly, but also concisely
- create imaginative posters that convey messages without being boring
- be prepared to present your work professionally at a conference



Dr Tiezheng Hou
Division of Infection & Immunity

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Key Concepts In Science and Technology Studies

Do you ever feel that your research (either in the sciences or in the humanities) is too narrowly focussed and that you may be missing the bigger picture? This course, run by specialists in the Department of Science and Technology Studies, is designed to help.

Using their wide-ranging interdisciplinary expertise, this course sets out to explore the links between the sciences (broadly construed) and the historical, philosophical, and sociological context and issues surrounding them. The course will be particularly suitable for graduates in both sciences and humanities keen to familiarise themselves with the broader context and questions underlying their research areas. Students will be guided towards relevant themes and perspectives through a series of sessions run by each member of the course staff in turn (each focussing on a particular aspect of science and technology studies, and broadly falling into the five categories of history of science, philosophy of science, sociology of science, science communication and science policy).

Bionews Internships – Science News Reporting for Research Students

The UCL Doctoral School and Progress Educational Trust (PET) provide an opportunity for Life Sciences, Biomedical and Law research students interested in science communication and legal/ethical issues arising from scientific developments to gain practical news writing experience under expert supervision through BioNews internships.

PET is a small UK charity that provides information and debate on developments in human genetics, embryo research and assisted reproduction, and the ethical, legal and social issues they raise. BioNews is a highly respected web- and email-based source of news, information and comment on assisted reproduction, human genetics and embryo research, published weekly by PET since 1999.

The internships last for a total of five days, spread over a nine-week period. Following a short period of training, carried out by two BioNews Editors, the intern will be expected each subsequent week to research and write a draft BioNews story for editing (if necessary) by BioNews staff before publication. This will take the intern approximately half a day, so this period of the internship will last for three days, spread over six weeks, during which time feedback will be given on each story by one of the Editors.

Philosophy of Science Workshop Programme

These workshops are open to students from all disciplines, but they are especially designed for those engaged in scientific research who would like to have an opportunity to reflect on the aims and methods of science more systematically than they can in the course of their usual work.

Abstract and general philosophical concepts will be discussed, but always in relation to concrete situations, taken both from the history of science and your own experience of research and learning in science.

Individual sessions cover:

- What does it mean to be “scientific”? Critique vs. orthodoxy
- Realism vs. instrumentalism
- Revolutions in science
- Scientific theories and scientific laws
- Scientific representations



Mr Jonathan Haydock
Slade School of Fine Art

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Stand and Deliver: Giving Effective Presentations

Even if you've done it before, giving a presentation can be daunting. As well as the challenge of managing nerves, there's the need to make an immediate connection with the audience, hold their interest and convey your message with clarity and impact.

This course will enable you to appear confident and speak compellingly. It will equip you with practical techniques for engaging, informing and influencing audiences. You'll explore your presentation style in a supportive atmosphere and discover ways of enhancing it. The course will stand you in good stead now and in your future career.

Copyright and Intellectual Property

All postgraduate students are producers and consumers of intellectual property and as such need to understand copyright and how it affects their work and research.

This 1.5-hour session aims to introduce you to the basics of intellectual property, particularly copyright; how to protect your own work and avoid infringing the work of others; and to explain UCL's Student IPR policy and the IPR aspects of the deposit arrangements for theses submitted for UCL research degrees.

It will cover:

- What is IPR and copyright?
- What is protected and for how long
- Fair dealing and copyright exemptions for education
- Licence schemes
- Copyright in the digital environment
- UCL's Student IPR policy
- IPR and deposit arrangements for UCL theses

Intellectual Property Tutorials

Most graduates are unaware of intellectual property (IP) and its use in the workplace and universities. However, they can benefit significantly from realising when they have created Intellectual Property or devised something which can be protected by IP, and understanding that what they have created/devised may have intrinsic value.

These one-to-one sessions will aid researchers in understanding better Intellectual Property law and how it applies to their projects. They will also assist with the early stages of considering IP protection, avoiding the IP of others, and how best to proceed if faced with an IP issue. This is an opportunity to discuss researchers' specific circumstances with a Chartered & European Patent Attorney specialist in this field.

The Art of Teaching: Theatre Techniques for the Classroom

An interactive three-day workshop for all postgraduate students, especially those wishing to improve their teaching and presentation skills or to be a Teaching Assistant.

Theatre training is not only for actors, but it is also of great value to everyone – especially to those who require confidence and effective communication skills in order to give presentations, lectures, or speeches. Practical and theoretical theatre experiences provide the tools to develop creative teaching strategies that enhance student participation and the learning experience.

Employer-Led Careers Skills Workshops

Employer-led Careers Skills workshops (facilitated by the UCL Careers Service) will help to introduce you to the employability skills that are required in today's workplace and to provide opportunities for you to develop such skills.

These workshops will also help to demonstrate to you the transferable nature of the research skills you have acquired during the course of your research degree. In the process you will gain a better understanding of the UK labour market, and be provided with opportunities to meet and network with potential employers and find out about career paths in a range of sectors.

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Careers Consultant-Led Skills Workshops

The UCL Careers Consultant-led workshops will help you with the essentials skills needed to manage your career and apply successfully for jobs.

The workshops will cover the following skills:

- Academic Career Planning
- Academic Applications and Interviews
- How to perform well at interviews and other selection methods
- How to write CVs and fill in application forms
- Career Planning beyond Academia

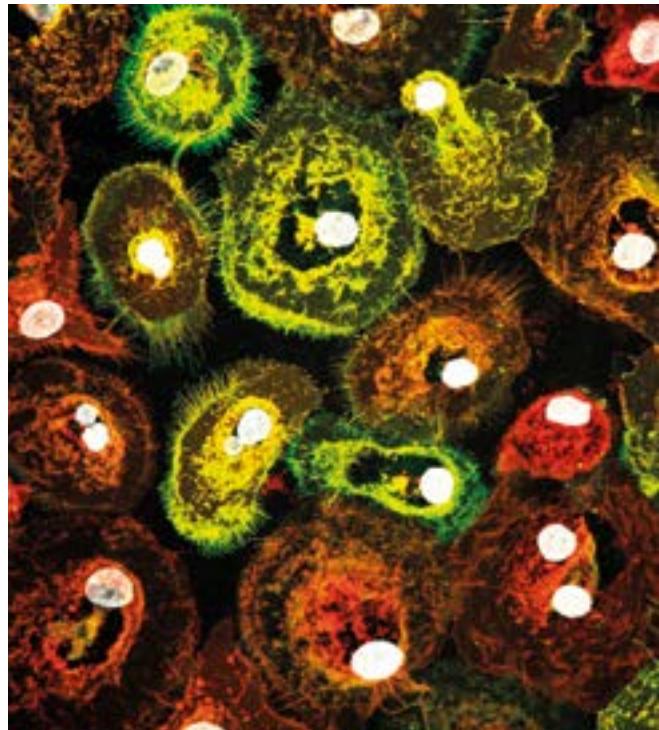
The workshops are useful whether you want to remain in academia for postdoctoral research or consider alternative careers.

PhD Employers Fora

The UCL Careers Service offers a range of Careers Fora each year, specifically designed to give PhD students the opportunity to meet potential future employers from certain key research student employment areas, such as:

- Careers in Science
- Careers in Economics, Banking and Financial Services
- Careers in Government and Policy
- Careers in Clinical Research
- Careers in Environmental Sustainability

Students have the opportunity to meet the employers face-to-face, find out about options available beyond the PhD and also practice some important employability skills such as networking. Several of the fora also include the opportunity for informal 1-2-1 sessions with individual employers.



Ms Stephanie Czieso
MRC Laboratory for Molecular Cell Biology

Connecting with the Public: Research Communication, Public Engagement and Outreach

A purpose-designed series of courses tailored specifically to supporting UCL research postgraduates interested in public communication and engagement. The interactive sessions will provide practical opportunities to explore the variety of ways in which researchers can effectively interact with public groups, from straightforward communication of research findings to dialogue about controversial issues to 'citizen science'.

The sessions are open to students of all backgrounds and levels of experience, and are designed to build on your existing skills and interests. An initial introductory session will provide you with the background and context for further developing your public engagement skills. Further sessions will allow you to plan and implement activities, formats and/or events that are best suited to your particular subject specialism and interests.

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Communication Skills: Getting your Message Across

This one-day course aims at enabling research students to communicate effectively in the wide variety of situations in which they might find themselves during their research programmes. Examining the skills and principles of clear communication, developing inter-personal skills and practising these skills in a supportive environment will help to achieve this. The course is highly interactive involving discussion and practical exercises. Individual needs are considered in order to maximise inter-personal skills.

Effective Negotiation Skills

This highly practical one day workshop will help students become more effective negotiators and learn the skills that master negotiators use. The workshop is interactive and interspersed with practical exercises and role play scenarios. By the end of the course you should be fully prepared to tackle your next negotiation! Students should come to the workshop prepared to discuss past or forthcoming negotiations and these may be used in class exercises and role play scenarios.

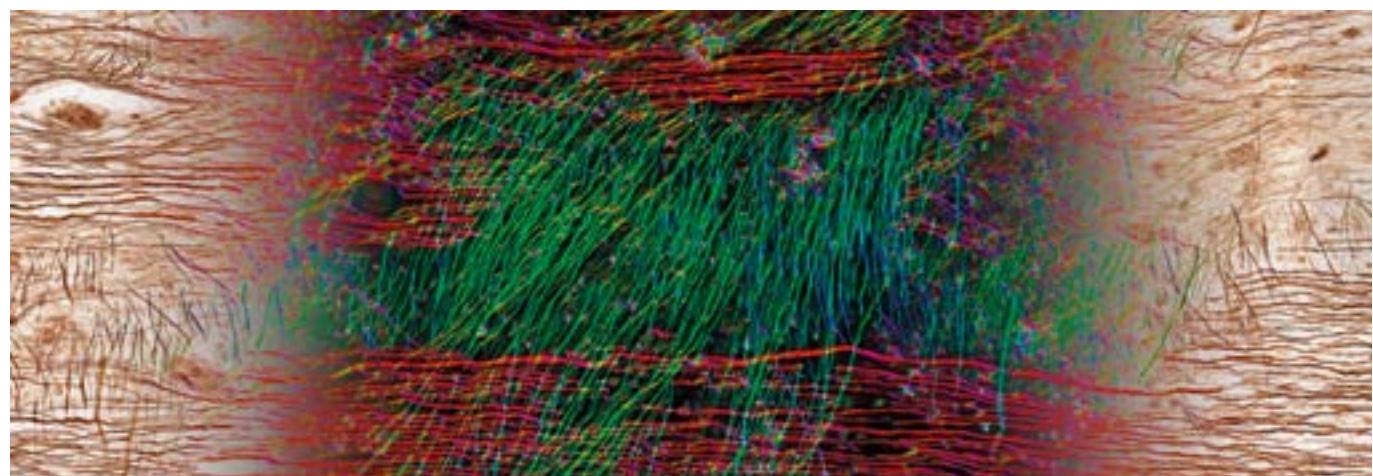
Developing the Mental Toughness and Resilience to Sail through your PhD

This 1 day interactive workshop gives students the opportunity to test their level of Mental Toughness and to find out the qualities required to increase it. At the end of the day they are provided with a report showing their results on which they can base their future development. After the 1 day workshop there is also an opportunity to attend up to 3 one-hour personal coaching sessions with an Executive Coach and Mental Toughness specialist to help students to practice and apply some of the skills learnt during the day.

These skills are invaluable in helping to cope with the challenges and pressures encountered whilst working on a research project and later in approaching the job market.

The overall objectives are to enable students to:

- Approach unknowns with confidence and calmness
- Be focused and prepared for PhD and future career
- Take setbacks in their stride
- Feel motivated and energised to deliver the best performance
- Take a relaxed approach to their progress
- Develop learning capacity and become more efficient and effective in their studies
- Gain clarity about both the short and the long term
- Feel totally in control of both their emotions and their life
- Find time for life outside PhD



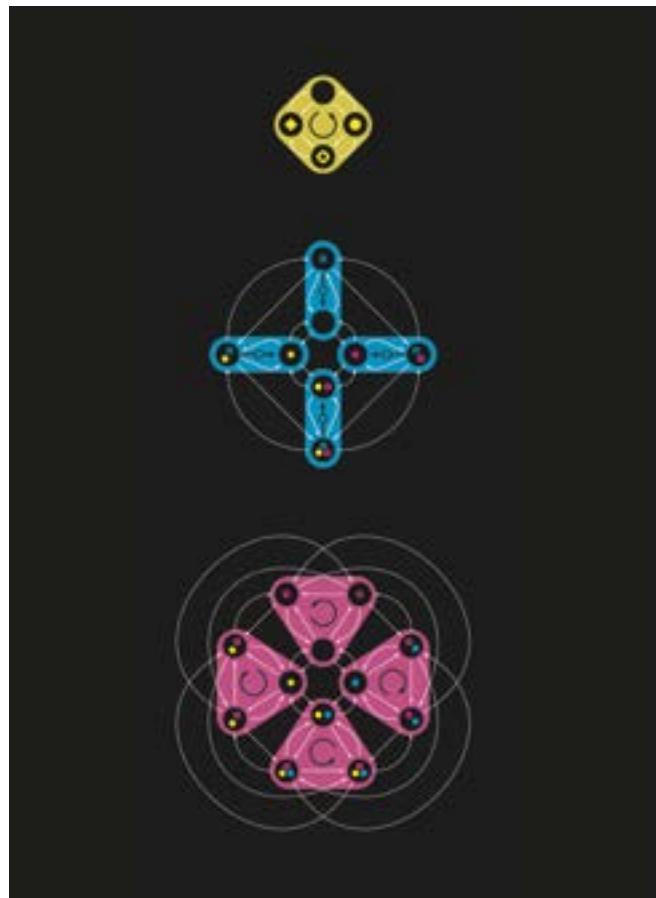
Mr Francesco Grussu
Institute of Neurology

DOCTORAL SKILLS DEVELOPMENT PROGRAMME

Confidence Building

An underlying lack of self-confidence and low self-esteem can undermine academic performance and the ability to communicate effectively with fellow students, colleagues and academic staff. It can also make it difficult to value and use the skills which you already possess.

The workshop will be participatory in style and will use a cognitive behavioural approach to challenge the negative thought patterns which fuel poor self-esteem. Each student will learn how to identify and work towards a small goal for change over the course. The skills you will learn can then be used to tackle further goals for change in the future.



Stress and Anxiety Management

The overall aim of the two-session programme is to provide you with stress and anxiety management skills in order to help you maximise your potential and increase your quality of life in general. The programme covers a range of practical strategies, including:

- relaxation
- guided imagery
- self-hypnosis

These skills can be effectively applied to your academic work, such as revising for exams, meeting course work/thesis deadlines, delivering seminars, conference presentations etc. They can also be applied to a broad range of other situations. For example, to enhance performance at interviews, to increase general confidence in social settings and to reduce stress related symptoms, such as migraine, insomnia, digestive problems etc. As such, the programme will teach you a life skill that can be used not only during your time at university but also in the future to help you cope with the inevitable pressures of everyday life.

Problem Solving & Decision Taking for Research Students

On this 1-day course you will experience and gain useful tools and techniques for improving your approach to problem solving and decision taking. You will find these skills invaluable whilst carrying out your research project and approaching the postgraduate employment market. In particular you will gain the confidence and skills to try new ways to solve problems and take both short and long-term decisions. This will help you to deal with maintaining momentum, keeping focus and delivering outcomes. These techniques will be of enormous value in both your student and work life.

SOCIETIES

The Doctoral School is pleased to support academic societies run by graduates for graduates at UCL. Societies offer a variety of activities, both social and academic, and provide a good way of meeting people with similar interests. Many academic societies arrange for high profile researchers to give special lectures to their members. We provide limited funding for the creation of new academic societies by graduate students. Please contact the Doctoral School if you would like to set up a new society. New societies are added to our web site at: www.ucl.ac.uk/docschool. Below is a list of some of the graduate societies at UCL.

English Department Graduate Society

The UCL English Graduate Society exists to enrich the social, academic, and professional lives of graduate students in the Department. All MA and MPhil/PhD students automatically become members of the Society on entering the Department. We sponsor a variety of activities and events and suggestions for new ones are always welcome.

Throughout the year, in association with the English Department, we run a series of workshops for MA and PhD students on a range of academic and professional issues. During term time our Discussion Group meets fortnightly to discuss texts, films and cultural issues of general interest. The Discussion Group is an important social focus for graduate students and offers a friendly and informal context for the exchange of ideas. We also help to run the English Department's fortnightly Research Seminar, which presents papers by academics and writers from around the UK, and by UCL staff and PhD students.

Our members also run the annual UCL Postgraduate Conference, which gives graduates from the Department, around the UK and overseas a chance to present their research at a lively, well-attended academic conference.

Further information can be found at:
www.grad.ucl.ac.uk/societies/english-department-society.html

UCL Enterprise Society

At UCL Enterprise Society (UCLES) we focus on encouraging and supporting students starting their own business and the commercialisation of cutting-edge postgraduate research into entrepreneurial ventures. Several of our committee members have gone on to launch their own startups which have also secured external funding from Business Angels and Venture Capitalists.

We have over 2000 members with regular attendance of 300 students and alumni for our flagship events, such as TEDxUCL, London Student Enterprise Hub or 48-hour hackathons.

Since we were founded in March 2006 we have assisted those interested in innovation and entrepreneurship, in the context of starting their own business and/or transferring their research into the industry to make the most of their time at UCL and to equip them for the challenges they face after graduation or completion of their PhD.

In May 2012 we were recognised as the number one Enterprise Society in the United Kingdom when we won the 'Enterprise Society of the Year Award'.

Students from all departments are welcome to come to our events or build their skill base and businesses as part of the Committee.

You can reach out to us anytime via info@ucleenterprise.org or tweet us [@UCL_ES](https://twitter.com/UCL_ES).

Infection and Immunity Postgrad Club

The Postgrad Club of the Division of Infection and Immunity is open to all science graduate students in the School of Life & Medical Sciences (SLMS). The aim of the club, by student request, was to provide them with insights into the wider aspects of science, beyond purely lab-based research. Previous invited speakers have included company executives, career development & funding advisors, politicians, medical/science writers & journalists, and lawyers. The club is intended to provide students with a great opportunity to come and meet their peers from across the School in a relaxed atmosphere for a glass of wine & nibbles, and to hear some great talks relevant to their research and career development.

Meetings take place three or four times each term, further information and future meeting dates can be found at:
www.ucl.ac.uk/infection-immunity
or contact i.lubeiro@ucl.ac.uk

SOCIETIES

Interdisciplinary Society for International Development

The society is open to all research students and staff at UCL. It aims to provide a platform for UCL researchers with an interest in international development to engage with other disciplines from across the university.

On the web site, you can find previously presented papers, links to research work at UCL relating to international development, and related resources.

Further information can be found at: www.ucl.ac.uk/isid/

London Evolutionary Research Network

The London Evolutionary Research Network (LERN) is a society established to provide a forum for the community of postgraduate researchers in London, with the aim of encouraging students to present their work to a multidisciplinary audience. The feedback, discussion and networking opportunities are unique among London post-grad societies.

The society organises regular guest lecturers as well as annual events including: field trips, the Medawar Memorial lecture, and the student conference.

For more information about LERN please visit our website:
www.londonrevolution.net

Interdisciplinary Medieval and Renaissance Seminar

The Interdisciplinary Medieval and Renaissance Seminar aims to create a forum where people approaching the Middle Ages from all perspectives can give and discuss papers, and to encourage contact between researchers across the College and the University of London.

The seminar series was set up by people who are now History research students, but have backgrounds in other subjects (Anthropology, Archaeology, Art History, Classics, English, Law, Modern Languages and Theology). Being aware of the great help previous studies, here and abroad, give to our current research, the aim of the seminar series is to continue this fruitful exchange. Anyone, from any Department, is very welcome and we invite speakers from all over the country with an interdisciplinary approach to the Middle Ages.

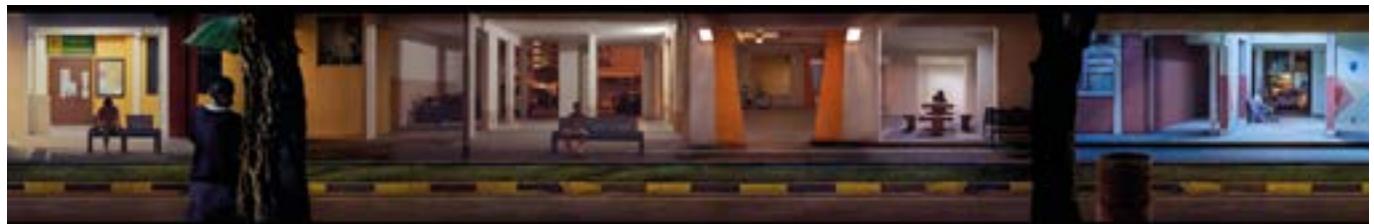
Further information can be found at:

www.ucl.ac.uk/mars/mars-centre/seminars

Opticon1826 – UCL’s All-Faculty Academic Journal

Opticon1826 is UCL’s student-run peer-reviewed journal, published throughout the year. Its content includes academic articles, reviews, images, and creative work. Contribution is open to UCL students and staff across all disciplines. It is an organ by means of which UCL’s members can disseminate their scholarship which, we hope, will facilitate communication between disciplines and faculties, while showcasing new directions in the university’s research:

www.opticon1826.com



Miss Sarah Choo
Slade School of Fine Art

COMPETITIONS

The Doctoral School runs competitions each year, offering you the chance to share your research and win some generous prizes. These include: the Research Images as Art/Art Images as Research Competition, the Research Poster Competition and the UCL 3MT.

Research Images As Art/Art Images As Research Competition

The Doctoral School runs a competition for researchers and artists, both students and staff, who are invited to submit images associated with their work, which have an aesthetic appeal. Selected images are used to illustrate the Doctoral School's Handbook and other UCL publications.

An exhibition of the images is held centrally in College and assessed by a panel of judges. Pictures are selected by the panel on the basis of their aesthetic appeal, the nature of their subject matter and technical quality. The panel is particularly interested in images that effect a transformation in the eye of the viewer in translating or communicating the subject that they portray and which have the potential to alter the way that we view the world. Prizes are awarded for the best images and all the images are presented in an on-line gallery on the Doctoral School website.

Further information on all our events and competitions can be found on our website at: www.ucl.ac.uk/docschool

A selection of images from the 2014/15 Research Images as Art competition are featured throughout this handbook.

Research Poster Competition

The Doctoral School organises an annual Research Poster Competition for all UCL research students.

Students are invited to display their posters centrally in College and these are then judged by a panel of UCL academics. Prizes are awarded for the best posters.

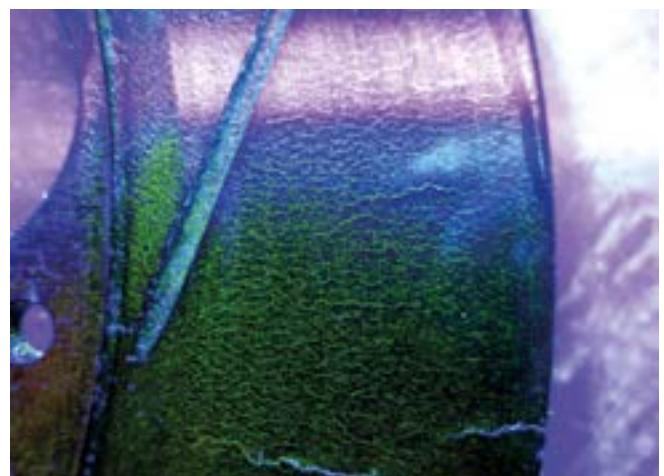
The posters exhibited should convey the essence of a student's research to an audience of both colleagues and non-specialists. The exhibition attracts interest among UCL staff, students and visitors. The competing students have in the past found it a valuable way of focusing on their own research, and learning about the research of others.

3MT Three Minute Thesis (3MT®)

Your PhD thesis will be tens of thousands of words long when you submit it. Could you explain it in three minutes?

The Doctoral School and UCLU PGA run a Three Minute Thesis competition at UCL in the summer term, the winner of which is eligible to enter the national semi-finals, and hopefully the finals.

Three Minute Thesis (3MT®) celebrates the exciting research conducted by research students. Originally developed by the University of Queensland, the competition focuses on students' academic, presentation, and research communication skills. The competition supports students' capacity to effectively explain their research in three minutes, in a language appropriate to a non-specialist audience – it is also great fun.



Dr Adam Wojcik
Mechanical Engineering

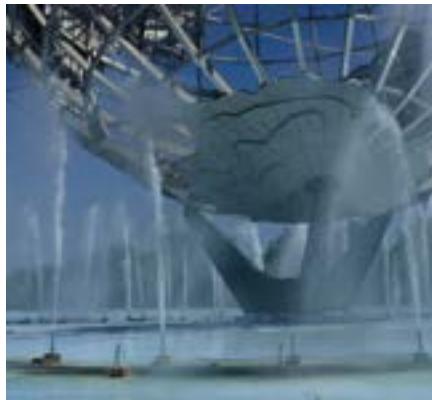
GALLERY OF WINNING IMAGES 2014/15

FIRST PRIZE



Mr Chris Falla
Bartlett School of Architecture

RUNNERS-UP



Mr Jonathan Gardner
Institute of Archaeology



Dr Thomas Grisaffi
Institute of the Americas

RESEARCH IMAGES AS ART

PEOPLE'S CHOICE



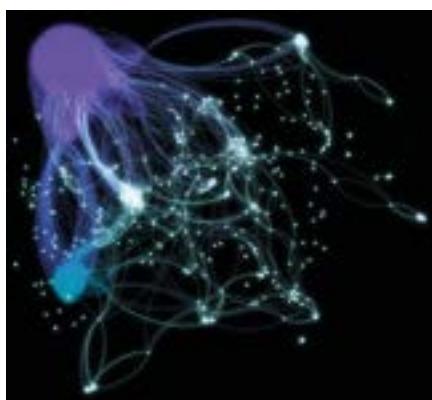
Mr David-Paul Pertaub
Anthropology



Miss Olga Koroleva
Slade School of Fine Art



Mr Pratik Patel
Bartlett Development Planning Unit



Mr Stefano Gurciullo
Political Science / School of Public Policy



Mr Charles Thomson
Civil, Environmental & Geomatic Engineering

GRADUATE COMMUNITY

UCL UNION POSTGRADUATE ASSOCIATION

UCLU Postgraduate Association (PGA) is the democratic section of the student union dedicated to you. It is the collective voice of UCL graduate students and looks after your academic, social, and welfare needs. Should you need advice, want to get involved in campaigning, or have a problem, for example with your programme or Supervisor, the PGA and UCLU can help you. The PGA exists to ensure that your time at UCL is as rewarding and enjoyable as possible.

A variety of PGA social events offer a break from work and the opportunity to meet like-minded people. In the past the social calendar has included film nights, quizzes, the Three Minute Thesis Competition, parties, picnics and more!

The PGA sends out a fortnightly e-bulletin, full of relevant postgraduate activities, events, opportunities, and information. The bulletin will also let you know how to submit your own items, whether you are looking for a new housemate or participants for your research project!

The PGA is run by a full-time Postgraduate Students' Officer (research student Suguna Nair for 2015/16), and a Committee of part-time officers elected every October, including both taught and research postgraduates. Each of UCL's 11 Faculties also elects postgraduate reps (some in October and some in Spring), and every course and department elects its own Student Academic Reps (StARs).

They meet regularly with students and other UCLU Officers to organise representation and campaigning work on issues affecting graduate students and to plan the social calendar. Officers also meet regularly with the Pro-Provost of the Doctoral School and represent you on many important College committees.

All postgraduate students can get involved by participating in campaigns and social events, taking part in Open Meetings that decide the activities and campaigns of the PGA, and voting or standing for election to the Committee. These are all great ways to meet other students from across UCL and play a role in shaping your union and your experience at UCL.

Remember, the Union is here to provide what you want. If you have any difficulties related to your postgraduate study, or any ideas or suggestions for the PGA, please contact PGA officers, raise them at an Open Meeting, or consider standing in the October elections to help tackle them yourself!

Information can be found on the PGA's website, uclu.org/pga, or on facebook.com/uclu.postgrads



SPACES FOR GRADUATES



Graduate Hub

A space for graduates to meet on central campus, comprising a seminar room for group discussion and presentations, a breakout space with integrated kitchenette, and a common room with flat-screen computers and comfortable seating. The room is located in the South Wing basement opposite the Print Room Café.



Research Grid

A study suite, solely for the use of graduate students, is re-locating early in the autumn term from its current location in the Wilkins basement (between the South Junction and the Refectory) to a great new location on the 4th floor of the DMS Wilkins Library in Foster Court. It includes study desks with PCs, group working room facilities, and a small bank of lockers, alongside comfortable seating and a tea point.



Graduate Cluster Area

A PC cluster exclusively for graduates situated in the DMS Watson Buildings alongside other clusters.

UCL Campus Map

www.ucl.ac.uk/maps



■ Main UCL Buildings
■ Student Accommodation
■ UCL Union Buildings
■ Pedestrian Area

■ UCL Library Sites
■ UCL Shop
■ Information Point
■ Security and Access
■ Hospital

■ Cafés
● Cycle Parking
■ Museums & Collections
■ Theatre
■ Accessible Parking

■ Underground Station
■ Railway Station
■ Cycle Hire Station
■ Bus stop
■ One-Way Streets

■ Street number
■ Access to Main Campus
■ Accessible Route
■ Pedestrian Access

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