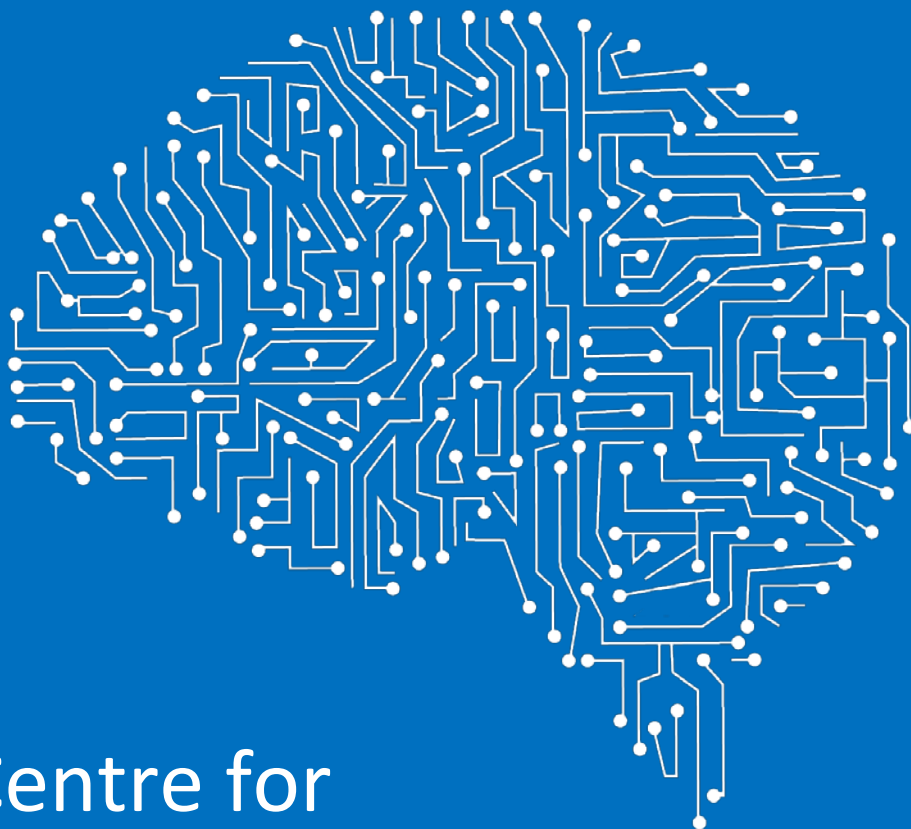


Imperial College  
London



EPSRC Centre for  
Doctoral Training in  
**Neurotechnology for Life  
and Health**

Student Handbook 2018/19



**EPSRC**

Engineering and Physical Sciences  
Research Council

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## WELCOME FROM THE CENTRE FOR DOCTORAL TRAINING

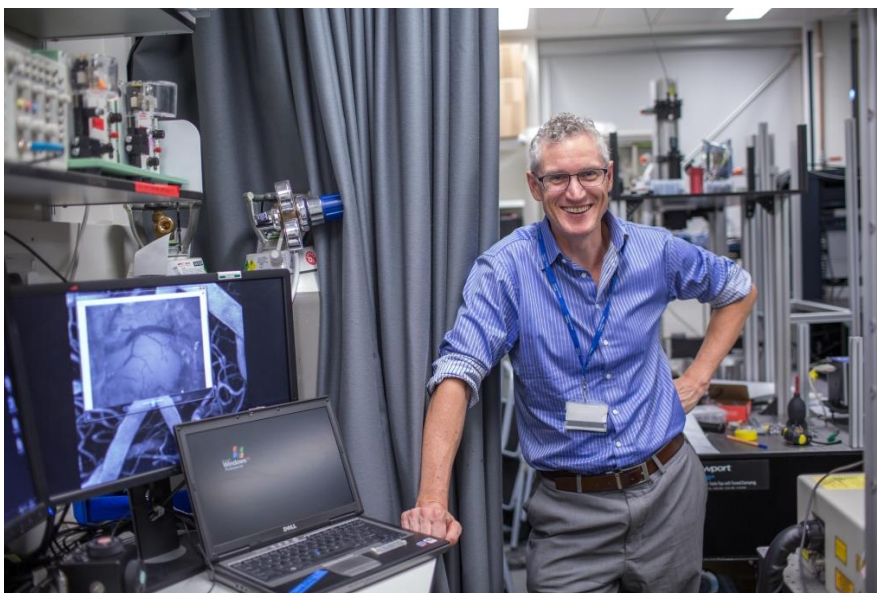
Welcome to the EPSRC Centre for Doctoral Training in Neurotechnology for Life and Health and congratulations on starting your CDT programme. This handbook contains essential information about the organisation and requirements of the CDT programme. You will also have received a separate handbook with full details of the MRes Neurotechnology, which forms the first year of the programme. You should read through these booklets, keep them, and refer to them throughout your studies.

The Centre for Doctoral Training (CDT) offers a unique programme – created by Imperial College London in collaboration with 20 partners in industry and the charity sector – which aims to train a new generation of researchers across a range of disciplines. Students will work at the interface of neuroscience and engineering to develop and harness new technologies for understanding and treating brain disorders.

The CDT programme is not a standard PhD programme. Throughout the 4 years, there is considerable emphasis upon multidisciplinary and transferrable skills, through CDT activities beyond the individual research project (such as CDT colloquia, professional skills development courses, student exchange programmes etc). The programme begins with the MRes in Neurotechnology, which forms an integral part of the four year training programme, and comprises 3 months of taught courses specially developed for the CDT, followed by laboratory rotations as part of a single research training project. The MRes is taught in the Department of Bioengineering, where you will be registered for your first year. At the end of the first year, you will enter the PhD phase having developed the interdisciplinary and technical skills to thrive in a cutting edge research environment, and make the most impact with your PhD.

We are delighted to have you join our growing CDT and hope that you will thoroughly enjoy your time with us and flourish within this exciting and diverse environment. I wish you all the best for your programme and look forward to meeting you.

**Simon Schultz**  
CDT Director



# THE CENTRE FOR DOCTORAL TRAINING IN NEUROTECHNOLOGY FOR LIFE AND HEALTH

## Introduction to the CDT

Neurotechnology is the use of insights and tools from mathematics, physics, chemistry, biology and engineering to investigate neural function and treat dysfunction. Brain-related illnesses affect more than two billion people worldwide, and the numbers are growing. Reducing this burden is a major challenge for society. The Centre for Doctoral Training (CDT) will train a new generation of multidisciplinary researchers at the interface of neuroscience and engineering, to address this challenge.

The Centre spans the Faculties of Engineering, Natural Sciences and Medicine at Imperial, with investigators from the departments of Bioengineering, Chemistry, Computing, Design Engineering, Electrical and Electronic Engineering, Institute of Clinical Sciences, Life Sciences, Materials, Mathematics, Mechanical Engineering, Medicine, National Heart and Lung Institute, Physics, and Surgery and Cancer.

Directed by Professors Simon Schultz, Bill Wisden and Paul Matthews, it typically admits around 12 students per year. All research projects involve a team of supervisors, each of whom will bring complementary expertise to the project. In addition to researchers from across Imperial College, the Centre involves twenty [industry and charity partners](#), as well as satellite research groups at the Crick Institute, the University of Oxford and the Sainsbury Wellcome Centre at UCL.

## Research themes

A multidisciplinary approach is core to all CDT research projects. PhD students work with a team of supervisors, each of whom brings complementary expertise to the training programme. Projects bring one or more technological approaches together with neuroscience expertise to solve an important problem underlying brain disorders. Technology themes include:

- Microelectronics, devices & biosensors
- Optical & genetic neurotechnology
- Computational modelling and data analysis tools
- Neuroprosthetics & neural interface technology
- Robotics & human-machine interaction
- Imaging

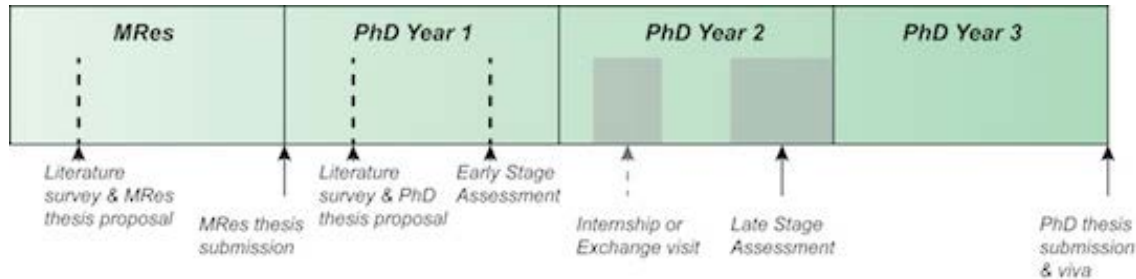
These are applied to Health themes including:

- Diagnostics & clinical monitoring
- Modulation of peripheral disease-controlling neural circuits
- Brain repair & neuroregeneration
- Brain circuits in health & disease
- Rehabilitation & augmentation
- Lifelong health & well-being

A full list of [current CDT studentship projects](#) can be found on the [CDT website](#).

## Programme structure

The training programme has a “1+3” structure, with the first year being a purpose-developed MRes in Neurotechnology, followed by a three year PhD. The major milestones of the programme are shown below.



The MRes Neurotechnology is hosted within the Department of Bioengineering, where all students are registered for the MRes year. Full details of the MRes programme, including a detailed timeline, are provided in your separate MRes Neurotechnology handbook.

For the PhD, you will be registered in the home department of your primary supervisor. The basic academic milestones for the PhD phase are described later in this handbook, but full details will be provided for you by your home department on registering for your PhD phase.

## Centre for Doctoral Training locations

For the MRes year, you will be allocated a desk in the EPSRC Centres for Doctoral Training suite, on the 4<sup>th</sup> floor of the Imperial College Science Museum building (ICSM). Access to the CDT space is via the Sherfield Building level 2 lift lobby as shown in the diagram over the page.

You will need your ID card to enter the CDT space; you can enter between 8am and 11pm, Monday to Friday, however if you wish to work between 6pm and 11pm you must inform College Security so that they are aware of your presence in case of emergencies.

This space – which is shared with 8 other CDTs – comprises open plan desk space for 130 students, 4 teaching rooms, a kitchen area and the CDT Managers’ office. Each student is allocated a lockable pedestal – please ensure you lock away valuables when away from your desk or put them in one of the lockers in the space.

**Please be mindful of your fellow students in this shared space.** A guide to the CDT space and open plan etiquette will be provided to you in Welcome Week.

The Department of Bioengineering is housed mainly on levels 3 and 4 of the Royal School of Mines Building (RSM), Goldsmith’s Wing, with additional laboratories and office space in the adjacent Bessemer Building. The RSM and Bessemer facilities comprise academic and support staff offices, two seminar rooms, several meeting rooms, several labs and space for over 120 PhD students. Administrative offices are located on RSM level 3 and Bessemer level 2. Most of the academic offices, including that of the CDT Director, are on level 4 RSM with some also in Bessemer level 4 and 7.

Most teaching for the MRes will take place in the Bioengineering lecture theatres in the RSM Building, notably RSM 228 and RSM 147 lecture theatres. Laboratory locations will vary depending on the home departments of your supervisors.

Two large computer rooms in RSM can be used by MRes, MSc and undergraduate students; RSM 338 which can be found at the opposite end of the corridor to the offices on Level 3 of the RSM, and RSM G07, which is located in the Goldsmith Wing of RSM, on the ground floor, end of the corridor.

There is a café on the ground floor of the library building and café and common room area on level 3 of the RSM building.

## Centre for Doctoral Training staff

### CDT Management

#### Simon Schultz

Paul Matthews  
Bill Wisden  
Martyn Boutelle  
Stephen Brickley  
Dario Farina  
Magdalena Sastre  
David Sharp

#### CDT Director

41533

CDT Co-Director  
CDT Co-Director  
Research Board member, Bioengineering  
Research Board member, Life Sciences  
Research Board member, Bioengineering  
Research Board member, Medicine  
Research Board member, Medicine

### Operations Board

#### Simon Schultz

#### Andrei Kozlov

#### Kate Hobson

#### Amanda Foust

James Choi  
Dan Goodman  
Claudia Clopath  
Adam Hampshire  
Tobias Reichenbach

#### CDT Director

41533

#### Director of MRes Neurotechnology

41338

#### CDT Manager

45101

CDT Cohort 5 mentor  
CDT Cohort 3 mentor  
CDT Cohort 2 mentor  
CDT Cohort 1 mentor  
Academic member & Journal Club leader  
Admissions Tutor

Robert Ferguson

Industrial Liaison Manager

### Research Board

Mauricio Barahona

Martyn Boutelle

Stephen Brickley

Paul Chadderton

Claudia Clopath

Tim Constandinou

Simone di Giovanni

Aldo Faisal

Dario Farina

Dan Goodman

Adam Hampshire

Paul Matthews

Department of Mathematics  
Department of Bioengineering  
Department of Life Sciences  
Department of Bioengineering  
Department of Bioengineering  
Department of Electrical & Electronic Engineering  
Division of Brain Sciences  
Departments of Bioengineering & Computing  
Department of Bioengineering  
Department of Electrical & Electronic Engineering  
Division of Brain Sciences  
Head, Division of Brain Sciences

Mark Neil	Department of Physics
Tobias Reichenbach	Department of Bioengineering
Magdalena Sastre	Division of Brain Sciences
Simon Schultz	Department of Bioengineering
David Sharp	Division of Brain Sciences
Ravi Vaidyanathan	Department of Mechanical Engineering
Bill Wisden	Department of Life Sciences

**Supervisors 2018/19**

Paul Bentley	Department of Medicine
Etienne Burdet	Department of Bioengineering
Martyn Boutelle	Department of Bioengineering
Claudia Clopath	Department of Bioengineering
Manos Drakakis	Department of Bioengineering
Aldo Faisal	Department of Bioengineering/Computing
Dario Farina	Department of Bioengineering
Pantelis Georgiou	Department of Electrical & Electronic Engineering
Nir Grossman	Department of Medicine
Adam Hampshire	Division of Brain Sciences
Andrei Kozlov	Department of Bioengineering
Paul Matthews	Department of Medicine
Alison McGregor	Department of Surgery & Cancer
Tobias Reichenbach	Department of Bioengineering
Chris Rowlands	Department of Bioengineering
Gregory Scott	Department of Medicine
David Sharp	Division of Brain Sciences
Mengxing Tang	Department of Bioengineering
Ravi Vaidyanathan	Department of Mechanical Engineering
Mike Warner	Department of Earth Science & Engineering
Matthew Williams	Department of Surgery & Cancer
Mark Wilson	Department of Surgery & Cancer
Bill Wisden	Department of Life Sciences

**Academic collaborators 2018/19**

Paul Chadderton	University of Bristol
Peter Hellyer	Kings College London
Robert Leech	Kings College London

**Industrial supervisors 2018/19**

Ásgeir Alexandersson	Össur
Hildur Einarsdóttir	Össur
Patrick Kaifosh	CTRL-Labs

**External Examiner  
Chair of Exam Board**

**Dr Mark van Rossum**, Uni of Nottingham  
**Prof Anthony Bull** (HoD Bioengineering)

## Supervision and support

### *Supervisors*

Your supervisors will be your main contacts during your MRes and PhD and will be responsible for your academic progress and for ensuring that you complete all components of your MRes successfully and submit your PhD thesis on time. Your supervisors should also help to ensure that you complete any relevant training courses and comply with departmental safety guidelines where appropriate.

In addition to your supervisors, various other members of staff are involved in supporting your CDT programme:

### *Centre for Doctoral Training support*



**The CDT Director, Simon Schultz.** The CDT Director is responsible for CDT strategy and the day to day management of the CDT programme. He will be your first point of contact for any academic questions relating to the CDT programme overall.

**The MRes Neurotechnology Director, Andrei Kozlov.** Andrei has overall responsibility for the MRes programme, so can help with any academic queries relating to the MRes year



**The CDT Manager, Kate Hobson.** Kate provides administrative support for the CDT and Centre for Neurotechnology and will assist you with the practical administrative aspects of your MRes, ie completing forms, submitting assessments, problems with registration etc.

**Your cohort mentor, Amanda Foust.** Amanda is responsible for cohort welfare and will be your mentor for the 4-year duration of your programme. The mentor's role is a pastoral one; they are not intended to act as a supervisor, but as an additional person in the CDT with whom you can consult informally. Amanda can provide advice on personal or financial matters which you may not wish to discuss with your supervisors.



### *Department of Bioengineering support (MRes year)*

Full details of all staff in the Bioengineering Department can be found in your MRes handbook, but key contacts are:

- **the Director of Postgraduate Studies (Research), Anil Bharath.** Dr Bharath has overall responsibility for the Department's research programmes and he can provide academic advice in cases where a student's supervisor or the CDT Director cannot help. You may contact him if you have general questions about postgraduate training in the Department of Bioengineering.
- **the Postgraduate Tutor, Tom Ellis.** Dr Ellis is responsible for the welfare of the research students in the Department of Bioengineering. Although your mentor would be the natural first point of contact for pastoral advice, Dr Ellis is also available to provide additional assistance.
- **the Student Office.** The Student Office provides administrative support for all UG, Masters and PhD programmes in the Department of Bioengineering. They may contact you with regard to MRes matters where they relate to Bioengineering.

## Consumables funding

Each CDT student will receive £4,000 per year for consumables, ie costs directly related to your project. This comprises £1,000 per year for travel/conference expenses and £3,000 for other costs (eg buying chemicals or components, taking training courses, etc). When attending conferences, we would normally expect you to present if you wish to use your CDT travel allowance. If you do not plan to present, you will need to provide a justification to the CDT Manager before travel funds can be authorised. Travel funding cannot be used for travel to/from the College.

An account will be set up for you at the start of term into which your £4,000 allowance will be transferred each year. **You should keep track of your expenditure as far as possible.** We will provide you with a spreadsheet (accessible by you, your supervisors and the CDT Manager) to record all purchases. All purchases should be discussed first with your supervisor, and signed off by them. To access your consumables funding you can either order items directly, through your department (if you are set up to do this) or through the Bioengineering orders team, or buy items yourself and claim back using a standard college expenses claim form. Reimbursement usually takes around 2 weeks.

## Research outputs

### *Recording your research outputs: ResearchFish*

It is vital that we can record the outputs of your research, not only so that you can collate this information for your own CV, but for us to be able to report to the EPSRC on the CDT's progress and impact. ResearchFish is a system implemented by the UK Research Councils to track research outputs; you will be asked to complete a ResearchFish return each year, giving details of any papers published, conference talks given, outreach activities, etc. We therefore encourage you to keep a record of any such outputs as you progress through the programme, to make your return easier to complete. We will provide details of the ResearchFish process in good time for you to complete your return.

### *Referencing*

When submitting a paper/abstract you must reference the Centre for Neurotechnology and the CDT grant correctly. Please check with the CDT Manager to ensure you have the correct format for this.

## THE MRES IN NEUROTECHNOLOGY

The MRes Neurotechnology is a 12 month full-time programme comprising 3 months of taught courses and a 9-month research project, and concluding with submission of the MRes thesis in mid-September. Students make their choice of research project prior to beginning the programme. Assessment is in the form of written exams, written coursework (including the final thesis), journal club and oral presentations and a final oral examination. A full description of the MRes Neurotechnology programme is provided in the dedicated MRes Handbook but a summary is also provided here.

### *Assessment summary*

The two elements of the MRes – the *taught element* and the *research element* – are subdivided into individually assessed modules with weighting (percentage of the overall degree mark) as below:

TAUGHT ELEMENT		RESEARCH ELEMENT	
ASSESSED COMPONENT	WEIGHTING	ASSESSED COMPONENT	WEIGHTING
<i>Written exams:</i> Neuroscience Statistics & Data Analysis	8.25% 8.25%	Literature review & thesis proposal	10%
<i>Coursework:</i> Ethical & Social Implications of Neurotech.	4.25%	Poster presentation	10%
Journal club presentations	4.25%	MRes Project (30% research conduct, 70% written thesis)	45%
Computational Methods Training Elective Group 1 (modules from MSc) Elective Group 2 (Lab skills workshops)	0%* 0%* 0%*	Oral examination	10%
<b>TOTAL FOR TAUGHT ELEMENT</b>	<b>25%</b>	<b>TOTAL FOR RESEARCH ELEMENT</b>	<b>75%</b>

\* these modules must be passed, but do not contribute to the overall degree mark

The pass mark for the MRes is 50%, however **STUDENTS WILL NORMALLY NEED TO ACHIEVE AN OVERALL MARK OF AT LEAST 60% IN ORDER TO PROGRESS TO THE PHD PHASE OF THE CDT PROGRAMME.**

Please refer to your MRes handbook for full details of the MRes assessment and award scheme.

### *Completing the MRes and progressing to the PhD phase*

Subject to successful completion of the MRes, the CDT Manager will confirm your progression to the PhD phase at the end of September. Following this, the College Registry will clear you to register for the PhD phase of your programme, in the home department of your supervisor. Your supervisor will be responsible for arranging a desk for you in your new department, so you should ensure that you discuss arrangements with them well before the start of term. You will also need to arrange a desktop PC for you to use during the PhD phase, which can be bought from your student consumables fund.

## THE PHD PHASE

In the PhD phase, you will register in the home department of your supervisor. Although you will remain a CDT student, you will also become integrated into your home department and will follow their academic milestone rules for your PhD. You must attend any induction activities for new PhD students, so that you are aware of all departmental policies and regulations – these may be different from those in Bioengineering.

The basic College framework and milestones for PhD progression are shown below. Further details are also available online at:

<http://www.imperial.ac.uk/about/governance/academic-governance/academic-policy/research-programmes/>

and

<http://www.imperial.ac.uk/students/success-guide/pgr/progression-and-feedback/main-stages-of-your-research-degree/>.

Your home department will provide you with full details on your PhD milestones once you register with them.

DATE	ACTIVITY	AIM	POSSIBLE OUTCOMES
6-12 WEEKS <a href="#">Initial Research Plan (IRP)</a>	Plan of study (typically 2-4 pages)	To: 1) ensure communication between the student and the supervisor 2) provide description of possible project 3) assess potential of project	1) Progress 2) Re-submit
By 9 MONTHS <a href="#">Early Stage Assessment (ESA) Milestone</a>	Substantial report (typically 20-30 pages) to include: 1) Literature review 2) Plan for future work 3) Results to date, if any  Oral presentation (closed-door or seminar)  <a href="#">Professional Skills Development requirement</a>	To show the student has: 1) an understanding of the field of research 2) a critical awareness of the relevant literature 3) an understanding of the direction of their project 4) the potential to pursue research.  Data may be minimal and more indicative of ability to perform.	Complete before 12 months 1) Progress 2) Re-submit (by 11 months) 3) Transfer to MPhil registration 4) Fail/withdraw
18-24 MONTHS <a href="#">Late Stage Review (LSR) Milestone</a>	The form of this review is determined by the student's department but typically would include: A presentation A Plan of future work	To establish that the student: 1) understands research problem adequately 2) has a critical awareness of the relevant literature on the subject 3) has a reasonable plan for future work 4) has the capacity to pursue research 5) will complete within the registration period	1) Progress 2) Re-submit (within 3 months of first submission) 3) Transfer to MPhil registration and write up 4) Fail/withdraw  NB: Students who transfer to MPhil at this stage must complete the MPhil within 3-6 months of their initial LSR
At 36 MONTHS*	Students would normally register as <a href="#">Completing Research Status (CRS)</a>		
By 44 months*	Students are required to submit a research degree <a href="#">examination entry form</a> no later than 44 months after initial registration for the research degree		

**\*Please bear in mind that your CDT funding is for four years, including the MRes year. WE WOULD THEREFORE EXPECT YOU TO WORK TOWARDS SUBMITTING YOUR THESIS 36 MONTHS AFTER STARTING THE PHD PHASE.** If you are not able to submit by this time, you may move to completing research status (CRS) for up to 12 months, but **no further funding will be available from the CDT.**

## ADDITIONAL CDT TRAINING ELEMENTS

In addition to working towards your official research milestones, you will take part in a number of CDT activities throughout the programme, as detailed below.

### *Academic Courses*

In addition to the modules you will take as part of your MRes degree, you are permitted to audit (ie, to attend but not be assessed for) any subject-specific courses offered by the Department of Bioengineering or other departments in the College, if they are relevant to your research. You should consult with your supervisor before arranging to attend extra courses and you will normally also need to seek permission to attend from the course leader/administrator in the relevant department.

A list of all taught courses offered by the Department of Bioengineering can be found on the [Departmental Student System](#) (DSS) and on the Bioengineering website at: <http://www.imperial.ac.uk/bioengineering/admin/current-pgt/options>. For other departments, check their website or contact the taught courses administrator in the relevant department directly for information on the courses they have available.

### *Graduate School Professional Development Skills programme*

The Graduate School at Imperial provides an internationally renowned and award winning [Professional Development Programme](#) for Postgraduate Research and Postgraduate Taught students.

Funders of doctoral programmes, including governments, industry and research councils expect that you spend time on your professional development, and developing generic research, personal and professional skills is an important part of your postgraduate training.

The Professional Development Programme offers you support in your study and research, as well as the opportunity to develop skills relevant to your Master's or Doctorate and your future career whether inside or outside academia. These skills can improve your ability to undertake focused and successful research, present your work to a variety of audiences, and enhance your overall experience at College. Postgraduate alumni, academics and employers have noted the value of the programme. In addition to enhancing your research and professional skill, these sessions offer a great opportunity for you to meet fellow students from other parts of the College.

### **Master's courses**

The “*MasterClass*” programme has been designed specifically to meet the needs of Master's level students and comprises a series of stand-alone lectures covering a range of skills. You will take MasterClass workshops on writing, presenting and entrepreneurship as part of the wider MRes syllabus, however you are free to attend any other courses (timetable clashes permitting) during the MRes year

### **Doctoral courses – Graduate School requirement**

All research students are expected to complete a number of Graduate School our Professional Skills courses as part of their research degree registration. The attendance requirement exists in order to ensure that all students receive some generic skills training while at Imperial and have the opportunity to engage with the programme, alongside their laboratory and other work.

Full details of the Professional Skills Development programme can be found on the Graduate School website at: <http://www.imperial.ac.uk/study/pg/graduate-school/students/doctoral/professional-development/>

**Plagiarism Awareness course**

All postgraduate students must take the [online course in plagiarism awareness](#).

In light of the College's requirement for all theses to be submitted electronically, the Graduate School, in conjunction with the Library, has developed an online course entitled Ensuring Integrity I: Plagiarism Awareness (Masters Students).

This course aims to equip Imperial Masters students with a working knowledge of the concept of plagiarism and how to avoid it so that in their academic studies and career they can use and share information ethically, with academic integrity and in accordance with Imperial College's Examination & Assessment: Academic Integrity Policy.

**All Master's students are required to complete the Master's version of the online plagiarism awareness course.** Please ensure you complete this by the end of term 1.

A doctoral version of the course exists for PhD students; you will not be required to take this as well once you progress to PhD, but will be reminded about the course 6 months prior to the submission of the thesis.

*CDT Colloquia and other seminars*

The Centre for Neurotechnology runs a regular colloquium series, which all MRes Neurotechnology and CDT students are expected to attend. MRes Neurotechnology students will normally take the speakers to lunch on the day of the colloquium talks. Details of the colloquium series and other Centre for Neurotechnology seminars are available online at:

<http://www.imperial.ac.uk/neurotechnology/news-and-events/>.

You are encouraged also to attend seminars outside the CDT; the Department of Bioengineering hosts regular seminars as do many of the other departments – check College and departmental websites for details. Experience shows that even when a seminar is not in your area it can often spark ideas or inform you about methods that will be of value for your own project. In this respect the seminar series available throughout the College provide you with a unique opportunity to broaden your scientific horizons.

*Annual Research Symposium*

The Centre for Neurotechnology holds an annual research symposium, normally in July. This is a day of talks and posters, which involves representatives from both academia and industry, to provide you with an industry perspective on topics in neurotechnology research and an opportunity for networking and informal career advice. All CDT students are expected to attend and you will present your MRes poster as part of the research symposium.

*CDT internship programme*

All students are expected to participate in a [student internship or exchange programme](#) during their CDT programme. This may take the form of:

- An academic exchange – spending time in another research lab (national or international)
- An industry internship – the CDT has several partners in industry that may be able to host you for a short internship. If your project already involves an industry partner, you would normally spend your internship working at the partner institution, or
- A policy/other internship – there are many opportunities for other types of internship available, eg the EPSRC science policy internship scheme

Internships would normally be for a maximum of 3 months, taken in the 2<sup>nd</sup> year of the PhD phase. However some flexibility is allowed to enable you to take best advantage of the opportunities available.

Where your internship is directly related to your research, you would be expected to take this time as “study leave”. This allows you to remain registered, and continue to receive your bursary during the internship, as if you were studying at the College. If your internship is unrelated to your research, you would normally take an interruption of studies during this time. This suspends your registration for the internship period meaning that this time does not count towards your degree (ie you will have an additional 3 months of registration added at the end of your normal registration period). Tuition fee and bursary payments are suspended during an interruption of studies.

Each student will be eligible for a contribution towards travel/living costs during the internship. The amount of funding will vary depending on the nature of your internship (eg whether it is industry-funded, whether you will continue to be paid your bursary or not).

You will be expected to make arrangements for the internship yourself, in discussion with your supervisors. We therefore encourage you to start discussing potential opportunities with your supervisors in the MRes year and try to plan your internship well in advance to ensure you can make best use of this opportunity.

Visit: [http://www.imperial.ac.uk/neurotechnology/cdt/student\\_info/internships/](http://www.imperial.ac.uk/neurotechnology/cdt/student_info/internships/) for further details, including potential opportunities and internship/exchange partners.

#### *CDT Winter School*

The CDT hosts a regular Winter School, normally every other year. The last Winter School was run in collaboration with researchers from the Neural Engineering Transformative Technologies consortium (NETT). The Winter School typically takes place in early January and comprises 2 days of talks aimed at students and researchers from the CDT and beyond. The date for the next Winter School is to be confirmed.

#### *Public engagement training*

As a CDT student, we encourage you to participate in outreach and public engagement activities, in order to share your research with wider audiences. In order to support you in this area, we provide an annual public engagement workshop for CDT and Centre researchers, which aims to guide you in engaging the public with your research, designing a public engagement activity and measuring impact of public engagement.

#### *Imperial Festival*

The annual Imperial Festival is dedicated to sharing the best science and arts on offer from Imperial College. During your MRes year, you will be expected to get involved in the Imperial Festival, to develop and host two CDT exhibits. The Imperial Festival for 2018-19 will take place at the end of June – we will ask you to mark these dates in your diary once announced.

#### *CDT Festival of Science and Engineering*

CDT students are encouraged to attend and participate in the organisation of the annual Imperial College CDT Festival of Science. This event allows students to collaborate with the other CDTs at Imperial to demonstrate to the research community of Imperial College the range of current research taking place and to come together to discuss scientific issues.

*Conferences*

All students will attend at least one major international conference during the PhD, as well as one national conference per year. You will also be encouraged to join professional societies including the Society for Neuroscience, British Neuroscience Association, IET and/or IEEE. You should record details of all conferences attended as you will need to report on these annually. A list of relevant upcoming conferences is available on the [CDT website](#).

## STUDENT REPRESENTATION AND FEEDBACK

### Student representation and staff-student committee

The CDT will normally have one student representative (rep) per cohort who will be elected in the first few weeks of term. He/she will represent the MRes Neurotechnology students on the Bioengineering Department Staff-Research-Student Committee, joining reps from the PhD and other MRes programmes in Bioengineering. The Staff-Research-Student Committee normally meets twice a year and allows research students, to make suggestions, air grievances, etc.

All student representatives will be offered full training and on-going support and development by the Imperial College Union. More information about the Academic Representation Network can be found online at: <https://www.imperialcollegeunion.org/your-union/your-representatives/academic-representatives/overview>.

### Feedback

#### *Receiving feedback*

Feedback in the MRes year will be provided to you via completed mark sheets for assignments, during journal club presentations, during the oral presentation, and at individual research group meetings. The Staff-Research-Student Committee, individual meetings with project supervisors, and meetings with the CDT Director all serve to monitor that these processes are effective. Full details of feedback procedures for the MRes year are provided in your MRes handbook.

#### *Giving feedback*

Your feedback is important to the CDT, the College and Imperial College Union.

If you have any questions about the research training in the CDT or Department of Bioengineering, you are welcome to discuss these with the CDT Director, MRes Director, or Director of Postgraduate Studies for Bioengineering. Alternatively you can talk to your cohort mentor at one of the cohort lunches, which we aim to provide termly, or to your cohort rep, who will be able to bring any issues up at the next staff research-student committee meeting. Feedback from the meetings will normally be disseminated to CDT students by the CDT Manager.

There are a number of College-wide surveys which give you regular opportunities to make your voice heard and give your views on lecturers and modules, supervision, overall programmes, support services, resources, welfare support and social opportunities around campus – these are detailed in the MRes handbook.

In addition to College surveys, the CDT will ask you to complete a feedback survey at the end of your taught modules/the MRes year. This information is invaluable to us in shaping the CDT programme for future cohorts so we really appreciate your input.

Finally, if you have any feedback or problems that you may be experiencing that you would prefer not to discuss via other routes, you can complete a confidential report form at any time. Your comments will be sent automatically to your cohort mentor but will not be shown to other CDT staff unless you authorise this. A link to the confidential report form will be available on the current students' area of the CDT website.

## USEFUL INFORMATION

### Student health and welfare

We take the welfare of our students very seriously indeed and will try to provide all the help that we can if you encounter problems of any sort. There is extensive information in your MRes handbook about the different support available but we summarise some of these again here.

#### *Support within the CDT*

If you have any difficulties, either with your research or with personal matters, the natural first contact would be your supervisor. If for any reason you would prefer not to talk with your supervisor, you can contact your mentor, Amanda Foust, or any of the CDT staff.

#### *Support within the Department of Bioengineering*

Further support is available from the Department, from the Postgraduate Tutor, Director of Postgraduate Studies, Academic Tutor and Student Office. Please refer to your MRes handbook for a full list of contacts.

#### *College-wide facilities*

Outside the CDT, the College provides extensive services for health, counselling, English language support, etc. Details of these are given in your MRes handbook and on the College Student Space webpage at: <http://www.imperial.ac.uk/student-space/>

If there is anything you would prefer not to discuss with CDT staff or the Department, the Academic Registrar is available to discuss academic matters and the College tutors are available to discuss personal matters. See the student space webpages for further details.

#### *Registering with a GP in London*

You will need to register with a doctor (GP) in London; don't leave this until you need medical treatment.

Students who live within the extended catchment area may register with the College's NHS Health Centre in Princes Gardens. If you live outside the catchment area you may use the Health Centre's services on site but only within normal working hours and you are strongly advised to register with a NHS Doctor (GP Practice) local to you.

International students who have the necessary residency papers are entitled to full NHS care.

Please visit <http://www.imperial.ac.uk/student-space/here-for-you/find-a-doctor/> for details of the College Health Centre, how to find a GP Practice local to you and information for international students.

**If you have a medical emergency, dial 4444 (internal) or 0207 589 1000.**

## Useful links

*Information for CDT Neurotechnology students*

[http://www.imperial.ac.uk/neurotechnology/cdt/student\\_info/](http://www.imperial.ac.uk/neurotechnology/cdt/student_info/)

*College information for new students*

<http://www.imperial.ac.uk/students/new-students>

*Imperial College Registry*

<http://www.imperial.ac.uk/registry>

<http://www3.imperial.ac.uk/registry/currentstudents>

*The Student Hub*

<http://www3.imperial.ac.uk/studenthub/hubservices>

*The Department of Bioengineering*

<http://www3.imperial.ac.uk/bioengineering>

*Imperial Success Guide*

<http://www3.imperial.ac.uk/success-guide>

*The Graduate School*

<http://www3.imperial.ac.uk/graduateschool>

*Student Finance pages*

<http://www.imperial.ac.uk/students/fees-and-funding/>

*Information and Communication Technologies (ICT)*

<http://www3.imperial.ac.uk/ict>

*Alumni*

<http://www3.imperial.ac.uk/alumni>