The ‘Zebrafish brain’ will feature on the cover of this year’s symposium brochure

The “Zebrafish brain” image submitted by Kate Turner from the Wilson Laboratory, in the Department of Cell and Developmental Biology, has been selected to feature on the cover of this year’s symposium brochure.

Kate said: “This image shows the beautiful axonal tracts and neuropil that make up the nervous system of a 4 day old zebrafish embryo. The image was collected using a confocal microscope. Axonal tracts and neuropil are visualised by fluorescent immunohistochemical labelling with antibodies against acetylated tubulin (green) and SV2 (magenta) respectively.”

She added, “This image is one of many neuroanatomical images we have collected to create Zebrafishbrain.org. This resource collates and curates neuroanatomical data and information generated both in-house and by the zebrafish community to communicate the current state of knowledge about neuroanatomical structures in the developing zebrafish. Our intention is to make the data intuitively accessible to all: not just those with expertise in neuroanatomy.”

Find out more
180-strong poster exhibition at this year’s symposium

Submissions for 2014 symposium poster exhibition closed in mid-May and interest in the exhibition has grown this year with almost 150 posters submitted for the research exhibition and 32 laboratory posters eligible for the lab poster prize.

All poster presenters have now been emailed to confirm they are happy with the poster details they have submitted and to specify where their poster will be located. If you need to amend your poster details or no longer wish to present a poster please email **Rachel Heatley** to submit your amendment or cancel your submission. **The deadline for making an amendment is Wednesday 28 May**, it will not be possible to make an amendment after this date as the symposium brochure will be going to print at the end of the month.

Please see below which poster themes will be located in the three main locations, **Elvin Hall, Jeffery Hall and the Drama Studio**:

**Elvin Hall**: Cognition and behaviour; Developmental neuroscience; Homeostatic and neuroendocrine systems; Sensory and Motor Systems

**Jeffery Hall**: Laboratory Posters; Novel methods, resources and technology development; Other, e.g. history of neuroscience, public awareness of neuroscience, resource posters

**Drama Studio**: Disorders of the Nervous System; Neural Excitability, Synapses, and Glia: Cellular Mechanisms

**Timing**: Posters with an **odd** number will be presented during poster session 1, which will take place between **10am and 11.30am**. Posters with an **even** number will be presented during poster session 2, (lunchtime), which will take place between **1pm and 2.30pm**.

**Size**: Poster boards are A0 portrait (1m wide by 2m high). All posters must fit in this space. We regret that we cannot accept any landscape posters wider than 1m.

**If you have any queries, please contact Rachel Heatley**

**Register Now**
2014 Neuroscience Symposium – Lab Poster Prize

Thursday 19 June, 9am-5pm (followed by wine reception)
Institute of Education

This year we are offering prizes for the best laboratory posters, with the winning lab receiving £250 and the runner-up lab receiving £100. The posters will be adjudicated by the Early Career Neuroscience Forum and will be evaluated on their design, presentation and content.

We are asking PI’s to nominate a junior member of their lab to present the poster during the first poster session (10am-11.30am) when the poster will be reviewed by the judging panel. Poster presenters must be available during this poster session to present their poster to the judging panel or they will not be eligible for the prize.

The lab which wins the first prize will be presented with their certificate during the final session of the symposium between 4.50-5.00pm

If you have any queries, please contact Rachel Heatley

Register Now

Professor Peter Fonagy elected to Academy of Medical Sciences

Deadline for EOI: Friday 23 May

44 researchers from across the UK, including Professor Peter Fonagy, UCL’s Freud Memorial Professor of Psychoanalysis, as well as the Institute of Neurology’s Professor Cathy Price and Professor Sarah Tabrizi (both of whom were highlighted in the previous issue of this newsletter).

Academy Fellows are elected for excellence in medical research, for innovative application of scientific knowledge or for their conspicuous service to healthcare. The expertise of the new Fellows includes haematology, bioinformatics, immunology, psychiatry, biochemistry and health services provision.

This year, fifteen (34%) of the new Fellows are women, compared to 23.2% of bioscience professors in the UK.

Find out more
Third Biennial Symposium of Neuroscience Researchers at the UCL School of Pharmacy

The Neuroscience in Health and Disease and Disease Models and Clinical Pharmacology Research Clusters held a joint symposium under the theme “Building Research Collaborations” on May 16th 2014. The programme was designed to encourage the exchange of ideas and scientific discussion focused on current and future research.

The Keynote Lecture was presented by Professor Patricia Salinas from the Department of Cell and Developmental Biology. There was a poster session from PhD students and series of short talks by Postdoctoral Assistants, to provide a training opportunity for both to further develop their presentation skills.

The symposium was organised by Dr Jasmina Jovanovic (j.jovanovic@ucl.ac.uk) and Dr Afia Ali (afia.b.ali@ucl.ac.uk).

Early Career Neuroscience

100 IUPAB Travel Awards available for early career investigators

Travel Award closing date: 31 May 2014

The IUPAB Congress in Australia (3-7 August, Brisbane) offers financial support to young scientists to assist with expenses to attend the 18th International Biophysics Congress. These grants are primarily intended for young researchers such as PhD candidates, usually up to 30 years of age, and preference is given to those from developing countries.

Approximately 100 Travel Awards are available for young scientists, and may be up to US$1,000 each depending on where you call home. There are still plenty of awards left for those of you who want to rise to the challenge of learning great science by visiting one of
the most intriguing countries in the world, Australia.

Find out more

**Internship in Neuroscience, Neurodegeneration and Regeneration (6 months)**

Roche’s Neuroscience Discovery group in Basel is responsible for the identification and validation of targets, the selection and characterization of drug candidates, as well as the scientific aspects of projects aiming at the identification of new medicines for diseases of the central nervous system. Their task is to support ongoing research projects using molecular pharmacological methods in order to understand the mode of action of novel compounds.

As an Intern in the Neuroscience Discovery group you will:

- Learn and apply state-of-the-art cell biology techniques to understand the cellular aspects of pathology progression in a neurodegenerative mouse model
- Prepare brain samples and analyze them using fluorescence microscopy (epifluorescence and confocal)
- Participate to cell culture work, profile and characterize small molecule compounds in relevant assay systems and using biochemical read-outs
- Be part of a team of 3 biologists team under the supervision of a laboratory head

Find out more

**Special Seminars and Events**

**FREE master class in Branding for Health by the BBC and Global Health Experts**

**Thursday 29 May, 6-8pm**

**Darwin Lecture Theatre, Darwin Building, UCL**

Interested in Health Communications? Ever wondered how to change behaviour through clear branding? Want to learn from the BBC about how to pitch a clear, successful idea for broadcast? Join us at UCL for a unique workshop in branding for global health?

NCDs (non-communicable diseases) are lifestyle related diseases which are the biggest killers in the developing world. Help us to simplify the message, whilst walking away with key branding and pitching skills from Industry professionals.
Speakers include: Fred Hersch, from NCD Free and Frank Ash, Head of Creativity Training, BBC

Sponsored by the Global Alliance for Chronic Diseases

Register now

15th Queen Square Symposium 2014

30 May 2014, 9.30am-5pm
Basement Lecture Theatre, 33 Queen Square, London, WC1N 3BG

The symposium is a student-organised event that offers postgraduates from the ION and ICN an invaluable opportunity to present and discuss their work with peers and academics from across Queen Square.

The Symposium brings together MSc and PhD students across diverse neuroscience domains, including clinical, cognitive and computational scopes of study, and offers students at the IoN an invaluable opportunity to showcase and discuss their research.

The symposium will be a day-long event commencing with poster sessions in the morning, followed by talks by students and early career neuroscientists in the afternoon. Organisers are delighted to announce that this year’s Keynote Lecture will be given by Professor Russell Foster from the University of Oxford.

The poster session will be judged competitively by academic members of the IoN, and the quality of work presented has always been highly acknowledged. Cash prizes will be given to each poster winner.

Contact: Louise Marshall and Jonathan Cornford Co-Chairs of the Queen Square Students’ Committee

Find out more

EU Grant Impact preparation Workshop

5 June 2014, 10am-12noon
Room Eng 1.02, Engineering Building at Malet Place
Map of location

UCL’s European Research and Innovation Office (ERIO) plans to hold a series of proposal writing workshops, for all UCL staff and will concentrate on writing the impact sections of the EU grants and will provide vital assistance for those staff already preparing EU grants.

This first workshop is focused on preparing the impact
section for Horizon 2020 calls, as greater emphasis is being placed on these by the EU grant evaluators (compared to FP7). The workshop organizers will design the workshop more specifically depending on the attendees' profiles and needs, so researchers are invited to fill in this online registration form* as accurately as possible.

ERIO plan to hold further workshops in the near future, which will additionally cover other topics. Stay tuned for more information on ERIO's website.

Contact: Pauline Chetail

Psychodynamic Neuroscience Research meeting – change of speaker

11 June 2014, 6pm
UCL Institute of Cognitive Neuroscience

Topic: A mentalization-based approach to the understanding and treatment of patients with persistent somatic complaints

Speaker: Patrick Luyten, University of Leuven (Belgium) and UCL

Short bio: Patrick Luyten, PhD, is Associate Professor at the Faculty of Psychology and Educational Sciences, University of Leuven (Belgium) and Reader at the Research Department of Clinical, Educational, and Health Psychology, University College London (UK). His main research interest focuses on depression, chronic fatigue syndrome and fibromyalgia. He is also interested in the processes involved in the intergenerational transmission of these disorders, and in the role of early adversity in particular. He is currently also involved in studies on mentalization based treatment of patients with borderline personality disorder. He is the recipient of the 2009 Psychoanalytic Research Exceptional Contributions Award from the International Psychoanalytical Association, and heads a treatment service for patients with depression and functional somatic disorders in Leuven, Belgium.

NB: Aonghus Ryan and Giles Yeates will give their talk Neuropathological inertia and re-mobilisation of catexes/SEEKING system through rage and working through: a video presentation of psychodynamic therapy with a survivor of bilateral globus pallidus (basal ganglia) lesions on Thursday 3 July.

If you read this for the first time, and are interested in joining or visiting this group, please contact: Dr Katerina Fotopoulou, providing 2-3 lines indicating your discipline and the nature of your interest, and feel
ERC Advanced Grants: Information and Proposal Writing Event

Monday 16 June 2014, 10am – 3pm
King’s College London

The 2014 ERC Advanced Grants call is expected to open on 17 June 2014 and to close on 21 October 2014. The UK Research Office is holding an information event to provide a detailed overview of this grant scheme and cover the key issues relating to planning, writing and costing a proposal. This is aimed at academics who are planning to submit an application to the 2014 AdvG call.

More information on ERC advanced grants
- Funding: up to €2.5 million per grant (in some circumstances up to €3.5 million per grant)
- Duration: up to 5 years
- Researchers: any nationality, any age. Applicants must be scientifically independent and have a recent research track-record and profile which identifies them as leaders in their respective field(s) of research
- Sole evaluation criterion: scientific excellence of researcher and research proposal

Find out more

Lord Brain Memorial Lecture: Uncovering the genetic causes of neurodegeneration

12 June 2014, 5.30pm
Perrin Lecture Theatre, Blizard Institute, 4 Newark Street, Whitechapel, London, E1 2AT

Speaker: Professor John Hardy, Chair of Molecular Biology of Neurological Disease, The Reta Lila Weston Institute of Neurological Studies, UCL.

Host: Professor Gavin Giovannoni, Centre for Neuroscience and Trauma, Blizard Institute.

Event is free but attendees must RSVP by Friday 23 May 2014.

Contact: Professor Gavin Giovannoni
ESRC update presentation by the Chief Executive Professor Paul Boyle - REGISTRATION NOW OPEN

Wednesday 25 June, 12:45-13:45
Malet Place Eng 1.02, Malet Place Engineering Building

The ESRC’s Chief Executive Professor Paul Boyle will visit UCL on Wednesday 25 June and will give an ESRC update presentation open to all UCL staff and students:
If you are interested in attending, please register using the eventbrite page: ESRC presentation

BRC Neuroscience Programme Annual Meeting

21 October 2014. 3pm to 5pm
Lecture Theatre at The National Hospital for Neurology and Neurosurgery, 33 Queen Square London WC1N 3BG

It has once again been a productive year for our NIHR University College London Hospitals BRC Neuroscience Programme. The Neuroscience Programme has been supporting a range of activities in experimental neurology which we will showcase at the meeting. While we finalise the programme, we wanted to send this invite out, which also serves as a save-the-date. A programme will be sent separately in the coming weeks.

The BRC Neuroscience programme Annual Meeting is an opportunity for you to hear more about the progress the BRC has been making, the impact it is having in developing infrastructure for experimental neurology research and the BRC’s future strategy.

Contact: Daniel Herron

Public Engagement

Creating Connections 8: Wellbeing and mental health

Tuesday 17th June 2014 6pm to 8pm
Crossfields Centre, 8 Fairhazel Gdns, London NW6 3SG on

Creating Connections 7 is open for registration.
- Are you looking for partners for a public engagement project?
- Want to build stronger links with community organisations?
- Have areas of research that may be of interest to the wider community?
- Would you like to get another view on your work from outside academia?

If so, come along to Creating Connections, the regular networking event that brings together UCL staff and postgraduate students with representatives from community organisations, charities, residents’ groups, social enterprises and statutory organisations. The evening is a mixture of themed discussions in small groups with more informal hob-nobbing; the aim is to find areas of common interest and collaborative working.

Each event has a number of discussion themes, intended as a starting point for sharing ideas and making those connections. June’s event will be of particular value to anyone interested in Wellbeing and mental health: working together Charities and third sector organisations often lack the time and resources to sift through academic research to find something applicable to their own work. On the other hand, academic and students often struggle to gain entrance to community organisations in order to carry their research. This group will aim to help emerge a common agenda for academics and community organisations wishing to work together on common issues surrounding mental health. Additionally, it will aim at exploring the tension and implications surrounding this type of cooperation.

Find out more (Deadline for booking: 9am Friday 13 June)

Contact: Rachel Leighton

Help inspire students with a laboratory placement this summer
Rebecca McKelvey, a PhD student at UCL is running a two-week laboratory placement scheme in the summer for gifted A-level science students from low income backgrounds (the poorest 10% of our society) and is calling on UCL neuroscientists to get involved by providing a placement for these students.

The aim of this scheme is to inspire and motivate students and support them in their application to competitive research universities. We ask students (who are interviewed prior to being placed in your lab) to support you with your experiments and have the opportunity to talk to you and others in your group about research and your past education experiences. The scheme is designed so that supervisors are asked to complete the minimal amount of paper work. We will ensure all students have health and safety documentation, inductions, access cards and insurance. Last year was a massive success with 38 students being placed in laboratories in biosciences including that of Prof Fitzgerald, Prof Dickenson, Prof Atwell, Dr Edwards, Dr. Bähler, Prof Dolphin and Prof Gibb.

- **When are the placements and how long do they last?** Placements occur for a period of 2 weeks during the students summer holiday (any time between the 16\textsuperscript{th} July-29\textsuperscript{th} August). A day usually starts at 10am and finishes at 4pm.

- **Does the student need an individual project?** This is advised but not essential. Students may also support you with your on-going project. Students are able to observe animal studies.

- **If the student has down time in the lab and there are no experiments to complete, what should they do?** The student will have a number of reading and writing tasks to complete during the placement. Students will write a summary on a journal article, and they will also need to submit a brief report on their placement. This usually includes the techniques they learn, and any results they may have.

- **How do students afford to get to their placement?** Students receive £100 for the two weeks at placement to pay for their travel and lunch. Students also receive a ‘New Scientist.

If you, or someone in your lab, would like to make a difference to the prospects of these young people by providing a placement please contact Rebecca McKelvey.
Horizon: The £10 million challenge

Dr Kevin Fong (UCL Neuroscience, Physiology & Pharmacology) presents his choices for the 2014 Longitude Prize and Dr Tom Carlson (UCL Orthopaedics & Musculoskeletal Science) demonstrates the use of robotics to help those with paralysis.

Watch: BBC Two ‘Horizon: The £10 million challenge’

The enigma of the teen brain

Professor Sarah-Jayne Blakemore (UCL Cognitive Neuroscience) and her team look at how modern technology has revolutionised our understanding of how the adolescent mind develops and the impact this can have on education.

Read full article

Specialised nerve cells in the auditory brainstem allow ‘cocktail party listening’

Nerve cells in the auditory brainstem are specialised to be able to pick out sounds at different frequencies in an efficient manner reports a new study published in the journal PNAS Plus.

Cocktail party listening’ - the ability to pick out specific sounds against a background of noise, such as conversations in a party, has been recognized for some time. In this study Professor David McAlpine (UCL Ear Institute) showed that nerve cells in the auditory brainstem are specialised to be able to pick out sounds at different frequencies in an efficient manner.

Read full article
Moderate internet use unlikely to harm teenagers' brains

A review study conducted by Kathryn Mills (UCL Psychology & Language Sciences) has found that moderate internet use does not appear to adversely affect the development of teenage brains. Kathryn said, “The main conclusion from this review was that I did not find evidence that typical Internet use is affecting teenage brains… Finding a lack of evidence is different from finding evidence that there is no effect. This is why this is a call for more studies.

Read full article

What do mobiles do to children’s brains?

Professor Patrick Haggard (UCL Institute of Cognitive Neuroscience) will chair a steering committee on the Study of Cognition, Adolescents and Mobile Phones (Scamp), tasked with examining the effects mobile phones have on the developing brains of children.

Read full article

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Current Funding Opportunities

Neurosciences and Mental Health
Deadline: 4 June 2014

If you are submitting a grant to the Neuroscience & Mental Health Boards and would like internal review of your draft application or advice on general sections e.g. Pathways to Impact, please contact Claire Westwood as soon as possible with your application title and a brief summary.

Find out more
EPSRC Assistive, Adaptive and Rehabilitative Technologies Sandpit
Deadline for expressions of interest: 5 June 2014

The EPSRC is running a sandpit in the broad area of assistive and rehabilitative devices in order to try to engender a radical change in the research undertaken in this field in the UK. The sandpit, which lasts for 5 days, will take place on 1-5 September 2014. Up to £5M is available to support projects developed, and evaluated, at the event.

The sandpit will be focused on key research challenges within the sphere of intelligent and intentional assistive, adaptive, and rehabilitative technologies. The challenges in this field are likely to need highly multidisciplinary solutions, as result EPSRC are offering researchers from a wide range of disciplines the opportunity to come together to innovate scientific and technological solutions to identifiable user needs.

Find out more

The Elizabeth Martin Postgraduate Studentship Bursary
Deadline for expressions of interest: 6 June 2014

SIA wishes to commission a longitudinal research study, initially as a pilot study over 3-4 years, to investigate socio-medical outcomes in a cohort of SCI people post-discharge from the SCICs in England. The research is intended to evidence the extent to which societal reintegration is achieved, incidences of post-discharge medical complications, and extent of unmet need, and thereby ultimately inform commissioners and policy makers regarding future provision for this patient population.

The research will be funded by a PhD Studentship Bursary in the name of Elizabeth Martin, a benefactor and former SCI Trustee of the Charity. Anticipated funding will encompass the Research Councils UK National Minimum Doctoral Stipend and Indicative Fee Level for 2014/15, plus an element for research costs.

The Bursary will be open to students of UK Universities with an Upper Second or First Class Degree in an appropriate discipline and with UK/EU fee status.
It is expected that research data will be published in appropriate peer-reviewed journals and presented at conferences, and that the successful candidate will maintain close links with the Charity and provide regular progress updates.

Expressions of interest are sought from established and experienced UK researchers with a track record of successfully supervising postgraduate research. Applicants should submit an Expression of Interest using the template provided here.

Find out more
Eppendorf & Science Prize for Neurobiology
Deadline: Sunday June 15, 2014

Is one of your young scientists doing great research? If so, why not encourage them to apply for the prestigious Eppendorf & Science Prize for Neurobiology. The Eppendorf & Science Prize for Neurobiology is an international research prize. It is awarded annually to one young scientist of 35 years of age or younger for the most outstanding neurobiological research based on methods of molecular and cell biology.

The winner receives:
Prize money of US$25,000
Publication in Science of an essay by the winner about his/her research
Full support to attend the Prize Ceremony held in conjunction with the Annual Meeting of the Society for Neuroscience in the USA
An invitation to visit Eppendorf in Hamburg, Germany
Up to three finalists are honoured

Find out more

Apply for a Grand Challenges Small Grant
Deadline: Midnight, Monday 16 June 2014

Grand Challenges Small Grants offer:
- up to £4,000 available for applications led by UCL staff
- support for a wide range of societally relevant cross-disciplinary activities
- funding for activities undertaken from 1 August 2014 to 31 July 2015

All applications must be submitted using the online form

BBSRC Anniversary Future Leader Fellowship
Deadline: 26 June 2014

Open to applicants within BBSRC’s remit who have demonstrated high potential and have no more than five years of postdoctoral research experience
Up to £250k total per award. This is aimed at early career researchers who want to conduct their own independent research within a host laboratory. The call is also open to current PhD students who are expected to have completed their PhD viva exam prior to announcement of the awarded AFLFs (30 November 2014).

Find out more
Horizon 2020 - Marie Curie Individual Fellowships
Deadline: 11 September 2014

European Fellowships and Global Fellowships are available. Note that there are specific eligibility criteria relating to “mobility” i.e. moving institutions to undertake these fellowships. Fixed rate for salary, mobility and research expenses.

The goal of Individual Fellowships is to enhance the creative and innovative potential of experienced researchers wishing to diversify their individual competence in terms of skill acquisition at multi- or interdisciplinary level through advanced training, international and intersectoral mobility. Individual Fellowships provide opportunities to acquire and transfer new knowledge and to work on research in a European context (EU Member States and Associated Countries) or outside Europe. The scheme particularly supports the return and reintegration of researchers from outside Europe who have previously worked here. It also develops or helps to restart the careers of individual researchers that show great potential, considering their experience.

Find out more

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**UCL Neuroscience Events and Seminars – May/June 2014**

Time: 16:30 - 17:30
Speaker information: Steven Dakin, UCL Institute of Ophthalmology and Dept. of Optometry & Vision Science, University of Auckland.
Host: UCL Institute of Ophthalmology
Location: UCL Institute of Ophthalmology lecture theatre, 11-43 Bath Street, London, EC1V 9EL
Contact: Andrew Stockman
Email: a.stockman@ucl.ac.uk

**30 May, 2014 - Brain Meeting: Bayesian modelling of both brain and behaviour and its potential for psychiatry**
Time: 16:15 - 17:15
Speaker information: Rick Adams, UCL.
Host: Brain Meeting.
Location: 4th Floor Seminar Room, Wellcome Trust Centre for Neuroimaging, 12 Queen Square, London,
Contact: Raphael Köster
Email: raphael_koester@hotmail.com

**4 June, 2014 - Receptors, Synapses and Memory**
Time: 16:30 - 17:30
Speaker information: Prof Richard Huganir; Director, Department of Neuroscience, Investigator, Howard Hughes Medical Institute Co-Director, Brain Science Institute, The Johns Hopkins University School of Medicine.
Host: Prof. Trevor Smart  
Location: Cruciform Lecture Theatre 1, Cruciform Building, Gower Street, London,  
Contact: Tina Bashford  
Email: t.bashford@ucl.ac.uk

5 June, 2014 - **Imaging local neuronal activity**  
Time: 17:00 - 18:00  
Speaker information: Serge Charpak (Paris). Host: UCL Centre for Neuroimaging Techniques.  
Location: 4th floor seminar room, FIL, 12 Queen Square, London  
Contact: N/A  
Email: www.ucl.ac.uk/CNT  
Phone: N/A

6 June, 2014 - **The MRC Centre for Neuromuscular Diseases Seminar Series presents: Chronic Inflammatory Demyelinating Polyneuropathy**  
Time: 16:30 - 17:30  
Speaker Information: David Cornblath MD, Director, Neurology EMG Laboratory, Professor of Neurology, Professor of Neurological Surgery, Johns Hopkins University, Baltimore, US. Host: MRC Centre for Neuromuscular Diseases. Additional Info: Open to UCL and UCLH staff and students.  
Location: Wolfson lecture theatre, National Hospital for Neurology and Neurosurgery, Queen Square, London, WC1N 3BG  
Contact: Christine Oldfield  
Email: christine.oldfield@ucl.ac.uk

6 June, 2014 - **UCL School of Pharmacy seminar series: Role of the extracellular matrix protein reelin in the physiopathological maturation of prefrontal circuits**  
Time: 16:00 -  
Speaker information: Dr Pascale Chavis, INMED, Marseille, France. Host: UCL School of Pharmacy Pharmacology seminar programme.  
Location: M2, UCL School of Pharmacy, 29-39 Brunswick Square, London,  
Contact: Dr Audrey Mercer  
Email: a.mercer@ucl.ac.uk

12 June, 2014 - **Joint Epilepsy Lecture Series: Seizure control after temporal lobe surgery what can we learn from preoperative quantitative MRI?**  
Time: 18:00 - 19:00  
Speaker: Dr. Simon Keller, Lecturer in Neuroimaging and Epilepsy, University of Liverpool. Hosted by: UCL/Epilepsy Society/UCB. You are also invited to join us for a light dinner after the lecture at “Giraffe”, in the Brunswick Centre. Numbers at dinner are limited to 30 and it will be on a first come first served basis.  
Location: Wolfson Lecture Theatre, National Hospital, Queen Square, London, WC1N 3BG  
Contact: Hannah Stapley  
Email: ion.epilepsy@ucl.ac.uk  
Phone: Please email

18 June, 2014 - **IMN Seminar: Title TBC**  
Time: 16:15 - 17:15  
Speaker information: Dr Tamar Makin, Nuffield Dept of Clinical Neurosciences, University of Oxford. Host: Joern Diedrichsen  
Location: 4th Floor Seminar Room, FIL, 12 Queen Square, London,  
Contact: Deborah Hadley  
Email: d.hadley@ucl.ac.uk

19 June, 2014 - **2nd Queen Square Upper Limb Neurorehabilitation Course**  
Time:  
Treating patients with upper limb deficit: Integrating research into practice. Speakers include: Kate Kelly; Fran Brander; Nick Ward; Diane Playford; Karen Baker; Wemdy Conner; Sarah Daniels; Laura Fliser; Kelly Broome and Sarah Norman.
Contact: Christine Stephens Volante
Email: christine.stephens-volante@uclh.nhs.uk

26 June, 2014 - IMN Seminar: TBC
Time: 16:15 - 17:15
Speaker information: Dr Thomas Brochier, Institut de Neurosciences Cognitives de la Méditerranée.
Host: Sasha Kraskov.
Location: 4th Floor Seminar Room, FIL, 12 Queen Square, London,
Contact: Deborah Hadley
Email: d.hadley@ucl.ac.uk

26 June, 2014 - IMN Seminar: Title TBC
Time: 16:15 - 17:15
Speaker information: Dr Thomas Brochier, Institut de Neurosciences Cognitives de la Méditerranée.
Host: Sasha Kraskov.
Location: 4th Floor Seminar Room, FIL, 12 Queen Square, London,
Contact: Deborah Hadley
Email: d.hadley@ucl.ac.uk

26 June, 2014 - Mental Health and Schools; Opportunities and Costs
Time: 12:00 - 13:00
Speaker information: Pr Tamsin Ford, University of Exeter.
Host: The Behavioural and Brain Sciences Unit.
Location: PUW4, ICH, 30 Guilford Street, London, WC1N 1EH
Contact: Radha Kothari
Email: radha.kothari.10@ucl.ac.uk

30 June, 2014 - IMN Seminar: Tracing and tuning cortico-cortical connectivity in cognitive systems with offline rTMS
Time: 16:15 - 17:15
Speaker information: Dr Hartwig Siebner, Danish Research Centre for Magnetic Resonance.
Location: Basement Seminar Room (B10), Institute of Cognitive Neuroscience, 17 Queen Square, London,
Contact: Deborah Hadley
Email: d.hadley@ucl.ac.uk

30 June, 2014 - UCL School of Pharmacy seminar series: Diverse intracellular signalling mechanisms regulating M-type (KCNQ) K+ channels in neurons
Time: 12:30 - 13:30
Speaker information: Prof. Mark Shapiro, UT San Antonio, USA.
Host: UCL School of Pharmacy Pharmacology seminar programme.
Location: TBC, UCL School of Pharmacy, 29-39 Brunswick Square, London,
Contact: Dr Audrey Mercer
Email: a.mercer@ucl.ac.uk
Phone: Please email

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External Events of Interest

Neurodevelopmental disorders: From neuroscience to the clinic
30-31 May 2014
Champalimaud Centre for the Unknown in Lisbon, Portugal

This symposium will be a 2-day event co-organized by the CNP, a dynamic research center, and PIN, a clinic specializing in neurodevelopmental disorders.

The goal for this symposium is to foster discussion between scientists and clinicians about neurodevelopmental disorders, such as ADHD, autism, and OCD in the hopes of promoting new ideas and potential collaborations in translational neuroscience.

Find out more

Crick Symposium: New Frontiers in Optical Microscopy

9 June 2014
New Hunt’s House, Guy’s Campus, King’s College London

The power of fluorescence-based optical imaging to drive major discoveries in cell biology is universally recognised. This power stems from the combined advantages of molecular specificity, single-molecule sensitivity, sub-cellular resolution, and real-time data collection from live cells and whole organisms. In the last few years, development of new imaging methods and advances in technology have revolutionized the way that we image biological materials and process large data sets and these advances are now impacting across numerous fields of cell biology.

The aim of this Crick Symposium is to showcase the novel microscopy development projects currently ongoing within Crick and its HEI partners and to promote future collaborations between physicists, cell and developmental biologists.

Register Now

Jacques Monod conference series: Optical imaging of brain structure and function on multiple spatial scales
11-15 June 2014
Roscoff, France

This international symposium will bring together leading scientists to present their latest discoveries on synaptic, neuronal and network function and new technological developments for studying the structure and function of the brain. This will foster scientific exchange between neurobiologists and those actively developing new optical methods, connectomics approaches and optogenetic tools.

This multidisciplinary interaction will advance our understanding and facilitate new approaches for investigating brain structure and function, both in vitro and in vivo, from the individual molecular components to complex networks in the intact brain. Indeed, advances in understanding brain function critically depend on our capacity to improve the tools available. These advances are particularly important in the field of Neuroscience where challenges in mapping the connections within and between highly complex neuronal networks and measuring signal processing in 3D networks is driving the development of automated electron microscopy, image reconstruction methods and a panoply of new optical methods for measuring and controlling neural activity.

Chairperson: Angus Silver (UCL Neuroscience, Physiology & Pharmacology)
Find out more

European Molecular and Cellular Cognition Society (EMCCS)- FENS 6th meeting

July 3-4, 2014
Istituto di Ricerche Farmacologiche Mario Negri, via La Masa 19, 20156 Milano, Italy.

The meeting will survey recent discoveries in the field of molecular and cellular cognition, including hot topics such as optogenetics and epigenetics of memory, and mechanisms of cognitive decline and enhancement. There will be 28 oral presentations with 3 of the speakers being chosen from submitted abstracts.

Organisers: Riccardo Brambilla (Milano, Italy), Kobi Rozenblum (Haifa, Israel) and Angel Barco (Alicante, Spain)

The list of confirmed speakers includes: Ted Abel, Penn University (USA); Schahram Akbarian, Mount Sinai School of Medicine (USA); Claudia Bagni, VIB-KU Leuven (Belgium); Erwan Bezard, CNRS- Université Bordeaux 2 (France); Tiziana Borsello, IRFMN (Italy); Timothy Bredy, QBI-UoQ (Australia); Mauro Costa Mattioli, BCM (USA); Jose A. Esteban, CBMSO (Spain); Gilberto Fisone, KI (Sweden); Gianluigi Forloni, IRFMN (Italy); K. Peter Giese, King’s College London
Jean-Antoine Girault, Inserm - UPMC (France); Eckart Gundelfinger, LIN (Germany); Marian Joëls, UMC Utrecht (The Netherlands); Itamar Kahn, Technion (Israel); Hanco Kaphzan, HU (Israel); Eric Klann, New York University (USA); Steven Kushner, Erasmus MC (The Netherlands); Serge Laroche, CNRS - Université Paris-Sud (France); Andreas Lüthi, FMI (Switzerland); Tom McHugh, Riken BSI (Japan); Moshe Szyf, McGill University (Canada) and Ofer Yizhar, Weizmann Institute (Israel).

Email: Riccardo Brambilla

Find out more

The Historical Evolution and Future of Neurology and Psychiatry

9 July 2014
The Institute of Psychiatry, King’s College London

Reviewing the historical evolution of neurology and psychiatry, the programme includes the Babylonian, Islamic, 17th, 18th, 19th and 20th century developments and exploration of the present and future relationships of the two disciplines. Illustrative topics include consciousness, daemonomania, epilepsy, hysteria and war neurosis.


Find out more

2014 Human Brain Anatomy Course (3-day course)

23-25 July, 2014
Guy's Campus, King's College London

Course director: Dr Paul Johns, BSc BM MSc FRCPath

- NEW improved programme for 2014!
- Comprehensive introduction to functional brain anatomy
- Assumes minimal prior knowledge
- Emphasises functional, clinical and radiological neuroanatomy

Three-day course: £395
Suitable for undergraduate / postgraduate students in medicine and biomedical sciences, neuroscience and psychology

Find out more
The Limbic Brain (2-day course)
21-22 August, 2014
Guy’s Campus, King’s College London

Course director: Dr Paul Johns, BSc BM MSc FRCPATH

- Advanced functional neuroanatomy course
- Presented in a very clear, logical and memorable style
- Focuses on the limbic lobe, hippocampus, amygdala, prefrontal cortex and ‘limbic’ loops of the basal ganglia
- Includes the basal forebrain / substantia innominata, 'extended amygdala' and diffuse neurochemical systems
- Emphasises core limbic brain structures of central importance in clinical neurology, psychiatry and the imaging neurosciences

Mean feedback score (July 2013): 4.9/5.0
Course fee: £295

Find out more

The Dementia Challenge (North)
18 September, 2014
School of Music, University of Leeds

The Dementia Challenge North – Continuing the Fight Back conference will provide a unique opportunity for all those working with, caring for and living with dementia to come together to gain real insight into the fight back against the disease. With a spiralling aged population, the prevalence of dementia is perhaps the most significant and worrying 21st century health and social care challenge we face. With rates in the UK expected to more than double by 2051 it is imperative that continued and prolonged focus is maintained on the dementia agenda.

The programme will look in detail at:
- The current situation
- Latest announcements and developments following the g8 summit
- Recommendations on care and support
- Working practices and strategies for improved outcomes
- The role of society

An exclusive interview with a dementia sufferer will be an emotive close to the day, leaving no doubt as to the devastating affects the condition inflicts on all concerned. There will be ample opportunity for
delegates to network with fellow peers to share experiences and knowledge whilst the programme allows for plenty of discussion and debate during the interactive question and answer sessions. **Delegate Rates:**

- Charity Sector - £295+VAT
- Public Sector - £395+VAT
- Private Sector - £395+VAT

To secure your place call Rob Daniels on 0161 686 5583 or email rob.daniels@govtoday.co.uk

Find out more