2014 Neuroscience Symposium – Registration now open

Thursday 19 June, 8.15am-5pm (followed by wine reception)
Institute of Education

The 2014 UCL Neuroscience Symposium will take place on Thursday 19 June at the Institute of Education. Registration is now open via eventbrite: https://2014-ucl-neuroscience-symposium.eventbrite.com Registration will be available for interested parties until Friday June 13.

Cancellation fee: This year in order to discourage no-shows we will be charging a £10 cancellation fee for delegates who fail to notify organisers by Monday 16 June that they won’t be attending the conference. Registrants will be asked to submit a cost code/grant code at the time of registration and the cancellation fee will be requested post-symposium if attendees don’t notify organisers by June 16 that they can no longer attend.

Posters: This year’s 2014 Neuroscience Symposium will feature two extended poster sessions of 1.5 hours each to give early career researchers a greater opportunity to present their work, as well as network and interact with colleagues. If you would like to be considered for poster presentation, please be ready to submit your title and abstract (200 words maximum) when registering from March 31 onwards (you will have time after registration to amend your title and abstract).

Deadline: The deadline for submitting poster abstracts (200 words max) is midday, Tuesday 13 May 2014.
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
Triage: Anyone from the UCL Neuroscience community can present a poster, however, if demand exceeds the number of boards available, then the organising committee will use a triage process to allocate the spaces available.

To register visit: [2014 UCL Neuroscience Symposium](#)  
For more information visit: [ucl.ac.uk/neuroscience/seminars-and-events/2014-neuroscience-symposium](#)  
If you have any queries, please contact Rachel Heatley on [r.heatley@ucl.ac.uk](mailto:r.heatley@ucl.ac.uk)

### Remembering Who I Am

Rosetta Life, a group of film makers, dancers, writers and musicians who initiate creative partnerships with people living with life-threatening illness, families, carers and friends, have worked with the Neurorehabilitation Unit at Queen Square to create a participative film of dance sessions in the hospital and in the community.


### SLMS Photography Competition: Photosynthesis

The School of Life and Medical Sciences is running a competition for high calibre, creative and relevant photographs of Research, Professional and Teaching activity within its community. The competition is open to all UCL staff and students. Entrants may enter one photograph per themed category below.

Photographs can be entered under the following themes:

- **Live Academic Cultures** Images of Professional and Academic Life in Science
- **Discovery Channels** Images of Research Methods and Discovery
- **Public View** Images of Community Engagement in Science

#### How to Enter

All entries must be emailed with a [completed entry form](mailto:emily.morrison@ucl.ac.uk) to [emily.morrison@ucl.ac.uk](mailto:emily.morrison@ucl.ac.uk). Each entry should include a brief synopsis of the Research or Science behind the image. First prize will be a mini-IPAD in each case + an Apple Camera Connection Kit for downloading, viewing and sharing your photos on the go.
Early Career Neuroscience

Athena Swan Career Talks Day

10 April 2014, 10am-1pm
Darwin Lecture Theatre

The talks will be focused on how to progress in science and balance a successful career with family life and is therefore of interest for both male and female scientists.

Speakers include:
- Prof Christiana Ruhrberg, UCL Institute of Ophthalmology
- Dr Thomas Milne, WIMM, University of Oxford
- Dr Helen Rowe, UCL Infection and Immunity
- Dr Emily Chenett, Nature Publishing Group
- Prof Alison Woollard, Biochemistry, University of Oxford
- Dr Lilian Hook, Cell Therapy Catapult

ESRC Early career researcher’s media training

11 June 2014
Sherlock Holmes Park Plaza Hotel, London

- Covers PhD students and postdoctoral researchers
- Run by ESRC's Senior Communications Manager
- Generally 30-50 attendees
- Run at various locations across the country to make it easy for people to attend

The purpose of training
- To equip researchers with basic skills to disseminate their research to the public
- To explain to researchers what makes a good press release and how the press works
- To give researchers a survival guide for radio and television interviews

You can book your place on an ESRC media training course using the [online booking form](http://www.ucl.ac.uk/slms/staff-students/info/photosynthesis)
Special Seminars and Events

4th UK Paediatric Neuropsychology Symposium

19 - 23 May 2014
UCL Institute of Child Health, 30 Guilford Street, London, WC1N 1EH

The 4th UK Paediatric Neuropsychology Symposium takes place at the UCL Institute of Child Health, London between 19-23 May 2014. This symposium will include the latest research in brain plasticity as well as children’s cognition, behaviour, emotional and social processing in a range of conditions including: autism, ADHD, cerebral palsy, dyslexia, dyscalculia, dyspraxia, poor nutrition, epilepsy, stressful environments, traumatic brain injury, language impairments, memory difficulties and the power of early interventions.

Confirmed speakers: Vicki Anderson, University of Melbourne, Australia; Gillian Baird, Guys & St Thomas’ Hospitals; Gus Baker, University of Liverpool; Torsten Baldeweg, UCL; Lucia Braga, SARA Network, Brazil; Brian Butterworth, UCL; Dido Green, Oxford Brookes University; Megan Gunnar, University of Minnesota, USA; Francesca Happe, King’s College London; Elizabeth Isaacs, UCL; Mark Johnson, Birkbeck, University of London; Bryan Kolb, University of Lethbridge, Canada; Val Muter, UCL; John Oates, Open University; Helen Tager-Flusberg, Boston University, USA; Faraneh Vargha-Khadem, UCL; and Huw Williams, University of Exeter.

For more information visit: http://www.ucl.ac.uk/neuropsych/4th_InternationalSymposia

A Showcase of Dementia Research at UCL

Wednesday 21 May, 3.30pm
B17 Basement Lecture Theatre, 1-19 Torrington Place, WC1E 7HB

The Research Department of Mental Health of Older People be playing host to the following speakers during their May meeting:

- Professor Martin Orrell, Division of Psychiatry; ‘Promoting Independence in Dementia (PRIDE)’
- Dr Sebastian Crutch, Dementia Research Centre, ‘Seeing What They See’
- Professor Gill Livingston, Division of Psychiatry, ‘Managing Agitation and Raising
Public Engagement

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) 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 16th July-29th 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, email: r.mckelvey@in2scienceuk.org

**Control participants for a study about social development in children between 8 and 12 years needed**

The UCL Developmental Cognitive Neuroscience Unit are conducting a study about social development in children between the ages of 8 and 12 years. They are investigating social development in sighted children to help understand more about how development might be different in children with visual impairment.

**What does the study involve?** The testing will involve child-friendly game-like tests as well as questionnaires for the parent. Some other tests will be conducted on a computer. The researchers are interested in how the brain is involved in differences between sighted and visually impaired children. The brain communicates through electrical signals. They want to record these signals through an electroencephalogram (EEG). For the EEG, your child will wear a net of sensors on the head. The sensors are attached to sponges that are soaked in water and are held together by an elastic band. The sensors only record activity and the procedure involves no risk for your child. Travel expenses and subsistence costs for the day of testing will be covered. You will also receive a £10 book voucher for your child.

**Why is this important?** The results of this study will help the researchers to understand in what areas visually impaired children struggle compared to normal children. Together with the brain investigation, this will help to improve treatment for children with visual impairment in the future. In order to understand the challenges that visually impaired children face, they need to relate the findings to sighted children. This investigation depends on the participation of sighted volunteers.

**For more information please contact:** Joe Bathelt
Tel: 020 7905 2749
Email: johannes.bathelt.10@ucl.ac.uk
Light-activated neurons from stem cells restore function to paralysed muscles

A new way to artificially control muscles using light, with the potential to restore function to muscles paralysed by conditions such as motor neuron disease and spinal cord injury, has been developed by scientists at UCL and King’s College London. The technique involves transplanting specially-designed motor neurons created from stem cells into injured nerve branches. These motor neurons are designed to react to pulses of blue light, allowing scientists to fine-tune muscle control by adjusting the intensity, duration and frequency of the light pulses. In the study, published this week in Science, the team demonstrated the method in mice in which the nerves that supply muscles in the hind legs were injured. They showed that the transplanted stem cell-derived motor neurons grew along the injured nerves to connect successfully with the paralyzed muscles, which could then be controlled by pulses of blue light.

To read the full article visit: https://www.ucl.ac.uk/news/news-articles/0414/040414-Stem-cell-injections-restore-paralysed-muscles/

World’s first computational psychiatry centre opens in London

The Max Planck UCL Centre for Computational Psychiatry and Ageing Research, which opened on last week, aims to use computational models to bridge the gap between neuroscience and the phenomena seen in psychiatric disorders. Backed by a five-year €5m (£4.1m) investment from the Max Planck Society and UCL, the centre, which is named after its funders and will be based in London and Berlin, will use powerful modern technology in an effort to create more detailed models than ever before of how the human brain works.

To read the full article visit: http://www.theguardian.com/science/2014/apr/02/worlds-first-computational-psychiatry-centre-london#start-of-comments

Horizon: Living with Autism

On the eve of National Autism Day, BBC Horizon revealed how Professor Uta Frith’s (UCL Cognitive Neuroscience) lifetime study of people with autism has transformed our understanding of this mysterious condition. In this film, Professor Frith shows how people with autism perceive the world and interact with their surroundings, and how, for them, another kind of reality exists. She meets people with autism
who have extraordinary talents, and explains why they often fail to understand jokes. She also explores whether many of us could be just a little bit autistic.

To read the full article visit: [http://www.ucl.ac.uk/news/news-articles/170314-Information-overload-dims-our-lights](http://www.ucl.ac.uk/news/news-articles/170314-Information-overload-dims-our-lights)

**Bang Goes the Theory: Ageing**

Professor David Gems (UCL Genetics, Evolution and Environment) discusses his research using *C. elegans* roundworms and how this can help us understand what ageing is.

Watch: [BBC One ‘Bang Goes the Theory’ (from 25 minutes)](http://www.bbc.co.uk/programmes/p025zlgd)

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**Current Funding Opportunities**

The second opportunity is part of the GSK Biopharmaceuticals R&D Innovation Fund Call for Proposals Process. This call is targeted at UCL and a few other Higher Education Institutes for collaborative research funding around the GSK AlbudAbTM half-life extension platform where GSK is seeking proposals that apply GSK’s AlbudAbTM technology to an Investigator’s research programme. Funding of up to £300,000/year for a two year period in the first instance, will be available for selected research project(s). Successful applicants will also be given access to the AlbudAbTM

TRO is coordinating a meeting in May (date tbc) with interested investigators from UCL and GSK. The aim of this meeting is to explore potential collaborations for UCL with GSK and ask any questions regarding the technology and selection process.

If you are interested in applying for this funding and would like to attend this meeting please contact Maryam Atakhorrami (maryam.atakhorrami@ucl.ac.uk) from the Industrial Partnership Group of TRO before 15th April 2014.
GSK Discovery Fast Track Challenge  
Deadline: Wednesday April 23, 2014

The first opportunity is in drug discovery from GSK as part of Discovery Fast Track Challenge call. If successful investigators could access GSK technologies such High Throughput Screening (HTS) and Encoded Library Technologies (ELT). The challenge closes on 23rd April and a one page non-confidential proposal needs to be submitted by that time. Applicants may need to get in touch earlier with their business manager from UCLB for approval of the proposal before submission. The Translational Research Office are happy to support investigators who would like to apply for this calls.

Please contact: Maryam Atakhorrami (maryam.atakhorrami@ucl.ac.uk)

2014 MQ Fellows Programme  
Deadline: Thursday 24 April 2014

The 2014 MQ Fellows Programme aims to support the most promising early career scientists and clinicians who are asking challenging questions that will contribute to transformative advances in mental health research. MQ is seeking the best and brightest researchers, who are newly independent or finalising their transition to independence. The Programme is open to Applicants from all scientific disciplines and around the world.

We are now calling for applications, which will be reviewed by our MQ Fellows Committee. The deadline is 24th April 2014. This year, the application process has 2 stages, and the initial stage is a Letter of Intent.

For more information visit: http://dnwssx4f7q17s.cloudfront.net/joinmq/default/page/file/cfaec2781844cbbdd8e_k2m6i600d.pdf

Software for the Future II  
Deadline: Monday 28 April 2014, 4pm

In both the recently published EPSRC E-infrastructure roadmap and the EPSRC Software as an Infrastructure strategy, the importance of software development and the need to invest in people and training in this area has been strongly highlighted. EPSRC has therefore made a long-term commitment to support software development, ensuring that funding continues to support leading scientific research and key codes used by the Engineering and Physical Sciences community. Subject to quality, up to £4M of funding is available for projects focused on the development of software that is used in computational science and engineering. All proposals submitted to this call must fall within the EPSRC remit.

As part of an on-going series of regular software development calls, this call covers the development of novel code, the development of new functionality for existing codes and the development and re-engineering
of existing codes. Strategic drivers are: developing code for emerging hardware architectures; developing researchers with key software engineering skills and software sustainability. In order to allow maximum time for the selection of appropriate reviewers and panel members, all applicants must register their intent to submit using the electronic ‘Intent to submit’ form on the Software for the Future II call page on the EPSRC website. The form must be submitted to EPSRC by 16:00 on Monday 28th April 2014. Full applications will not be accepted where EPSRC has not received an intent to submit form.

For more information visit:
http://www.epsrc.ac.uk/funding/calls/2014/Pages/softwarefuture.aspx

Mental Health Research UK PhD Scholarships 2015
Deadline: Wednesday 14 May

MHRUK have announced a new funding opportunity for mental health research, their UK PhD Scholarships for 2015. The Scholarships aim to support the most promising research scientists who are asking challenging questions that will contribute to advances in mental health research. MHRUK is seeking the best and brightest researchers and the Scholarships are open to UK Universities with a Department active in research in the fields of Schizophrenia and Bipolar Disorder. Only one application for each Scholarship from each University is permitted.

If you are intending to apply for this funding opportunity, please send an email by Wednesday 14 May to Matt Wakelin (m.wakelin@ucl.ac.uk) who will coordinate the application process.

For more information on the funding call visit:
http://www.mhruk.org/research-awards/

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

For more information visit:
UCL Neuroscience Events and Seminars – April 2014

Neuroscience seminars and events listings

8 April, 2014 - Queen Square Imaging Centre: GP Educational Evening
Time: 19:00 - 21:00
The evening will feature a presentation by Dr Diane Playford on Neuro Rehabilitation Services at the NHNN, followed by a networking drinks reception the Queen Square Private Consulting Rooms.
Host: Queen Square Imaging Centre
Location: 33 Lecture Theatre, National Hospital for Neurology and Neurosurgery, 33 Queen Square, London, WC1N 3BG
Contact: Catherine Scale
Email: Catherine@journalista.co.uk
Phone: 0207 2324 673

9 April, 2014 - Cerebral Asymmetry and Language Development: Are Genes Implicated?
Time: 16:30 - 17:30
Speaker information: Professor Dorothy Bishop, Experimental Psychology, University of Oxford.
Host: CDCN 2013/14 Seminar Series.
Location: Leolin Price Lecture Theatre, Institute of Child Health, 30 Guilford Street, London,
Contact: Esther Huntbach
Email: cdcn@ucl.ac.uk

10 April, 2014 - Sainsbury Wellcome Centre: The roles of dopamine in adaptive decision-making
Time: 16:00 - 17:00
Speaker information: Joshua Berke, Department of Psychology, University of Michigan, Ann Arbor.
Host: Sainsbury Wellcome Centre for Neural Circuits and Behaviour (SWC). Followed by a drinks reception in the Gavin de Beer and Anatomy foyer.
Location: JZ Young Lecture Theatre, Anatomy Building
Contact: Marg Glover
Email: m.glover@ucl.ac.uk

11 April, 2014 - Brain Meeting: Understanding others’ emotions before motor resonance
Time: 16:15 - 17:15
Speaker information: Alessio Avenanti, University of Bologna.
Host: Brain Meeting
Location: Fourth Floor Seminar Room, Wellcome Trust Centre for Neuroimaging, 12 Queen Square, London,
Contact: Max-Philipp Stenner
Email: max-philipp.stenner@med.ovgu.de

14 April, 2014 - Joint Centre for Neurorehabilitation@UCLP & Institute of Movement Neuroscience Seminar: The spontaneous recovery process after stroke – what happens in humans?
Time: 17:15 - 18:15
Speaker information: Winston Byblow & Cathy Stinear, Movement Neuroscience Laboratory Department of Sport & Exercise Science Centre for Brain Research, The University of Auckland.
15 April, 2014 - Queen Square MS Centre seminar: Leukocyte-endothelial interactions under flow in vitro: Relation to Neuromyelitis Optica (NMO)
Time: 13:00 - 14:00
Speaker Information: Professor Richard Ransohoff, Department of Neurosciences, Director – Neuroinflammation Research Center, Cleveland Clinic, Cleveland, USA.
Host: Queen Square MS Centre seminar series
Location: 33 Queen Square Lecture Theatre, Basement, 33 Queen Square, London,
Contact: Tina Holmes
Email: millerpa@ucl.ac.uk

17 April, 2014 - Big Data Imaging Studies: UK Biobank and HCP
Time: 17:00 - 18:00
Speaker information: Steve Smith (Oxford).
Host: UCL Centre for Neuroimaging Techniques.
Location: 4th floor seminar room, FIL, 12 Queen Square, London,
Contact: N/A
Email: http://www.ucl.ac.uk/CNT/index

24 April, 2014 - TBC
Time: 12:00 - 13:00
Speaker information: Pr Eirini Flouri, Institute of Education.
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

25 April, 2014 - Inhibitory field potentials
Time: 12:30 - 13:30
Speaker information: Dr Richard Miles, The Brain and Spine Institute, Hôpital Pitié Salpêtrière, Paris, France.
Host: UCL School of Pharmacy Pharmacology seminar programme.
Location: JHLT, UCL School of Pharmacy, 29-39 Brunswick Square, London,
Contact: Dr Audrey Mercer
Email: a.mercer@ucl.ac.uk

External Events of Interest

Controlling Neurons, Circuits and Behaviour: Online registration now open
20-24 April 2014
Rungstedgaard, Rungsted, Denmark
This meeting is part of a new series of high-level biannual Brain Conferences in Europe. The Brain Conferences are organised by the Federation of European Neuroscience Societies (FENS, the major neuroscience association in Europe) in partnership
with The Brain Prize. They bring together outstanding researchers in key broadly defined areas of contemporary neuroscience to discuss current concepts and define challenges for future research.

**Co-chairs:** Michael Hausser (UCL, UK), Botond Roska (FMI, Switzerland), Helen Mayberg (Emory University, USA)

For more information visit: [http://www.fens.org/Meetings/Brain-Conferences/Controlling-Neurons-Circuits-and-Behaviour/](http://www.fens.org/Meetings/Brain-Conferences/Controlling-Neurons-Circuits-and-Behaviour/)

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**HowTheLightGetsIn 2014 – The Philosophy and Music Festival at Hay**

**20-24 April 2014**

Rungstedgaard, Rungsted, Denmark

Dr Molly Crockett from UCL’s Wellcome Trust Centre for Neuroimaging, will be speaking at *HowTheLightGetsIn*, the world’s largest philosophy and music festival, this May. Bringing together world-leading scientists, musicians, philosophers and politicians including Roger Penrose, Bernard-Henri Levy, Laurie Penny, Lawrence Krauss, Saskia Sassen, David Nutt, Margaret Boden, Molotov Jukebox, Owen Jones, and Mr. Scruff for debates, talks, and wild parties, this year’s programme uncovers the new heresies that might become the truths of the future.

Molly Crockett will be joining outspoken bioethicist John Harris and philosopher Christopher Hamilton to uncover whether morality is instinct.

For more information visit: [www.howthelightgetsin.org](http://www.howthelightgetsin.org)

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**Open Source Brain Workshop 2014: Building and sharing models of the cortex**

**May 14-16 2014 (Deadline for registration: 15 April)**

Alghero, Sardinia

In this meeting, we will look at the range of cortico-thalamic models out there which are of widespread interest and work towards getting these into public, open source repositories, in standardised formats such as NeuroML and PyNN. We will investigate the steps needed to ensure these models are well tested, annotated and ready for use as research tools by the attendees and the wider community. There will be presentations from experimentalists who are producing the data to constrain these models, as well as simulator and application developers who will
create the infrastructure to build, simulate, analyse and share the models.

Confirmed speakers:
Sharon Crook, Arizona State University, USA
Markus Diesmann, Research Center Jülich, Germany
Dirk Feldmeyer, Aachen University, Germany
Rick Gerkin, Arizona State University, USA
Alon Korngreen, Bar-Ilan University, Israel
Dave Lester, SpiNNaker project, University of Manchester, UK
Angus Silver, University College London
Tim Vogels, University of Oxford, UK
Daniel Wójcik, Nencki Institute, Poland

Email: Padraig Gleeson p.gleeson@ucl.ac.uk
For more information visit:

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.

This event is free to attend but you must register at cricksymp7.eventbrite.co.uk

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)
Email: a.silver@ucl.ac.uk
For more information visit:
http://www.cnrs.fr/insb/cjm/2014/Silver_e.html

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
Wellcome Trust Molecular Neurology and Therapeutics Course

12-18 July, 2014 (Deadline for registration: 11 April 2014)
Wellcome Trust Genome Campus, Hinxton, Cambridge, UK

This popular course provides a concentrated examination of the molecular basis of neurological diseases and strategies in development for their treatment. The course curriculum offers a unique opportunity to learn the latest concepts associated with the study of both rare and common neurological disorders such as Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, the ataxias, Fragile X syndrome and others. Participants will discuss in detail the strengths and weaknesses of the experimental evidence underlying our current understanding of these diseases and how this knowledge is being applied to develop small molecule and nucleic acid based therapies.

Registration fee and bursaries: Registration (including accommodation and all meals) £950.00. Limited bursaries are available covering up to 50% of the registration fee.
Email: Emily Rees emily.rees@wtgc.org
Direct dial: +44 (0) 1223 495111
Website address: https://registration.hinxton.wellcome.ac.uk/display_info.asp?id=364

How Can Neuroscience Better Inform Neurorehabilitation?
Thursday 16 October 2014
The Pullman Hotel, St Pancras, London

Neuroscience researchers from across the world reflecting upon how the latest neuroscientific understandings may help the neurorehabilitation patient. The focus will be on how these findings can impact upon practical application as opposed to theoretical concepts.

Costs:
£195+VAT: Early bird rate for bookings received on or before 16 July 2014
£245+VAT: Standard rate

For more information visit: