COMMENCES 5pm 4.11.21

New IoN Building opens 2024

QSIO&M ANNUAL ADDRESS 2021
REVIEW OF THE PAST YEAR
COVID-19 Research at Queen Square Institute of Neurology

QS-ION PIs pursuing COVID-19 research

>25 Principal investigators

QS-ION publications

>132 Research papers

QS-ION activities

• Medicinal Chemistry (COV-SARS-2 inhibitors)
• Assay Development (cytokine storm assay)
• COVID-19 100,000 project /GenOMICC
• COVID-CNS neurology and longcovid clinic
• EULAR COVID-19 Database
• Dynamic modelling of COVID-19 software development
• National outreach on effect of COVID-19 in the CNS
• National policy (House of Lords science technology committee)
COVID-19 Research at the Queen Square Institute of Neurology

Featuring in several national international media and editorials including:

- BBC news feature by Fergus Walsh
Landmark study of vaccine-associated cerebral venous thrombosis

Cerebral venous thrombosis after vaccination against COVID-19 in the UK: a multicentre cohort study

Richard J Perry, Arina Tamborska, Bhagteshwar Singh, Brian Craven, Richard Marigold, Peter Arthur-Farraj, Jing Ming Yeo, Liquan Zhang, Ghanash Hassan-Smith, Matthew Jones, Christopher Hutchcroft, Esther Hobson, Dana Warchel, Daniel White, Phillip Ferdinand, Alastair Webb, Tom Solomon, Marie Scully, David J Werring*, Christine Roffe*, on behalf of the CVT After Immunisation Against COVID-19 (CAIAC) collaborators

Lancet 2021; 398: 1147-56

Richard Perry
Stroke Research Centre

Dave Werring

UCL
Depts BRR and DCMN: Societal Impact

TACKLING THE COVID-19 PANDEMIC WITH EFFECTIVE THERAPY AND SUPPORT

Neuro-Rehabilitation OnLine (N-ROL): description and evaluation of a group-based telerehabilitation programme for acquired brain injury

New app can boost the reading ability of stroke survivors with language impairment

Paul Mylrea, COVID-19 stroke survivor

Over 2000 therapy sessions delivered
- Dean and Deputy to the Dean
- Director of Operations
- Heads of Research Depts/Theme Leads
- Faculty Representatives
- SLMS Finance
- HR Business Partners
- IT
- Research Co-ordination Team
- Translational Research Office
- UCL Consultancy
- Rachel Fishwick
- David Howard
- Rosie McAlonan
- **Faculty Office Team**
Peer reviewed publication outputs 2020-21

• 1906 papers  \textit{cf}(1726\ 19-20,\ 1601\ 18-19)
• 34 book chapters

One peer reviewed publication every 5h!

73 publications in the top 50 highest impact journals:

ESI world ranking for highly cited authors in Neuroscience and Behaviour:
• 7 in the top 100 authors / 5 in the top 50
5 year Income & Contribution

5 Year Trend - ION Income

£335m active
10% increase in income

5 Year Trend - ION Contribution

25% increase in contribution
# Awards over £500k Activated in 20-21

<table>
<thead>
<tr>
<th>Name</th>
<th>Fund</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chataway Jeremy Professor</td>
<td>Multiple Sclerosis Society</td>
<td>£12,989,042.92</td>
</tr>
<tr>
<td>Price Catherine Professor</td>
<td>Wellcome Trust</td>
<td>£3,732,109.00</td>
</tr>
<tr>
<td>Rothman James Professor</td>
<td>EC H2020 European Commission Horizon</td>
<td>£2,671,500.00</td>
</tr>
<tr>
<td>Kullmann Dimitri Professor</td>
<td>MRC Medical Research Council</td>
<td>£2,640,411.00</td>
</tr>
<tr>
<td>Houlden Henry Professor</td>
<td>Wellcome Trust</td>
<td>£2,387,230.00</td>
</tr>
<tr>
<td>Thom Maria Professor</td>
<td>Wellcome Trust</td>
<td>£2,367,251.00</td>
</tr>
<tr>
<td>Barkhof Frederik Professor</td>
<td>F Hoffman La Roche AG</td>
<td>£2,220,817.00</td>
</tr>
<tr>
<td>Wimmer George Dr</td>
<td>MRC Medical Research Council</td>
<td>£1,800,740.52</td>
</tr>
<tr>
<td>Tabrizi Sarah Professor</td>
<td>Chdi Foundation Inc</td>
<td>£1,574,978.00</td>
</tr>
<tr>
<td>Jeppson James Dr</td>
<td>MRC Medical Research Council</td>
<td>£1,490,164.65</td>
</tr>
<tr>
<td>Foltynie Thomas Professor</td>
<td>Edmond J Sfafa Philanthropic Founda</td>
<td>£1,375,000.00</td>
</tr>
<tr>
<td>Duff Karen Professor</td>
<td>NIH National Institutes of Health</td>
<td>£1,274,368.89</td>
</tr>
<tr>
<td>Gibbs Joanne Dr</td>
<td>NIHR National Institute for Health Research</td>
<td>£1,244,038.00</td>
</tr>
<tr>
<td>Giunti Paola Professor</td>
<td>Ataxia UK</td>
<td>£1,033,858.48</td>
</tr>
<tr>
<td>Harris Kenneth Professor</td>
<td>MRC Medical Research Council</td>
<td>£864,514.46</td>
</tr>
<tr>
<td>Fratta Pietro Professor</td>
<td>MRC Medical Research Council</td>
<td>£846,874.39</td>
</tr>
<tr>
<td>Reilly Mary Professor</td>
<td>Wellcome Trust</td>
<td>£810,083.00</td>
</tr>
<tr>
<td>Brownstone Robert Professor</td>
<td>MRC Medical Research Council</td>
<td>£801,575.96</td>
</tr>
<tr>
<td>Cash David Dr</td>
<td>MRC Medical Research Council</td>
<td>£799,401.64</td>
</tr>
<tr>
<td>Maguire Eleanor Professor</td>
<td>MRC Medical Research Council</td>
<td>£715,366.44</td>
</tr>
<tr>
<td>Lignani Gabriele Dr</td>
<td>UCLTF UCL Technology Fund</td>
<td>£710,969.28</td>
</tr>
<tr>
<td>Thalassinos Konstantinos Professor</td>
<td>Wellcome Trust</td>
<td>£674,756.00</td>
</tr>
<tr>
<td>Maguire Eleanor Professor</td>
<td>Wellcome Trust</td>
<td>£649,059.00</td>
</tr>
<tr>
<td>Niccoli Teresa Dr</td>
<td>MRC Medical Research Council</td>
<td>£567,267.79</td>
</tr>
<tr>
<td>Limousin Patricia Professor</td>
<td>NIHR National Institute for Health Research</td>
<td>£538,999.14</td>
</tr>
<tr>
<td>Kullmann Dimitri Professor</td>
<td>MRC Medical Research Council</td>
<td>£507,981.39</td>
</tr>
</tbody>
</table>
UCL’s submission to REF2021 UoA4 – Psychology, Psychiatry & Neurosci:

A total of 402 staff (IoN = 139) submitted from across FBS
950 journal articles
14 Impact Case Studies

The results will be reported on 12th May 2022

Dr. Claire Westwood
Strategic Research Facilitator

Prof David Shanks
19 OCTOBER ALL ION – PI SCIENCE AWAY DAY ON LINE 121-PIs
Heads convened PIs in eight departments to consider their discovery and translational science 22-27. 8000 words reduced to 50!
All ION Departments engaged in bidirectional translational research

Fundamental importance of connecting discovery science and deep expertise patients/disease
Queen Square Institute of Neurology Dual Hub: A flexible integrated translational ecosystem

One community combining excellence in clinical research and in pathomechanistic discoveries

Identify sensitive predictive biomarkers of neurological diseases and develop new therapies with societal impact
Translational Neuroscience in 2026-seamless connected bidirectional pipeline

*Understanding how the nervous system works and developing diagnostics, therapies and interventions*

---

**Discovery**

**Targets**

**Modelling**

**First in Man**

**Trials**

**Diagnostics and Therapies**

---

Students, early career researchers, PIs, all partners: BRC, NHS, funders, patients, philanthropy
21 First in Human trials

50 Industry Sponsors

13 Antisense Oligonucleotide studies

~ 1000 lumbar punctures

~ 200 intrathecal injections

63% Commerciy funded studies

37% Non-commercial

Prime site for Oxford/ChAdOx & Imperial COVAC1 (Phase 1) Covid-19 vaccines

>1200 vaccinations/boosters since June 2020

UCLH begins clinical trial of Alzheimer’s drug developed at UCL

Antisense oligonucleotide studies

HD
CNM
ALS
PSP
PD
MSA
AD

Neurodegenerative
Other Neurological Disorder

Phase I / FIH
Phase IIa
Experimental Medicine
Phase II/III

Active trials 2020/21
Potential Global Leader Translational Genomics-Gene Therapy

First in Man Trials 2020-21

Gene Therapy

Preclinical Gene Therapy
Refractory Epilepsy

Gene Discovery

Genetic Therapy Techniques

RNA ASO
DNA CRISPR
AAV virus

Gene Therapy
Spasticity & MND

ORIGINAL ARTICLE

Targeting Huntington Expression in Patients with Huntington's Disease

Sarah J. Teberlli, M.B., Ch.B., Ph.D., Blair R. Leavitt, M.D., C.M.,
G. Berndhard Landwehrmeyer, M.D., Edward J. Wild, M.B., B.Chir., Ph.D.,
Carsten Safit, M.D., Roger A. Barker, M.R.C.P., Ph.D., Nick F. Blair, M.B., B.S.,
David Crousard, M.B., B.S., Josef Pliller, M.D., Hugh Richards, M.D.,
Anne Rosser, M.B., B.Chir., Ph.D., Holly B. Kordosza, Ph.D.,
Christian Czech, Ph.D., Eric E. Swartz, Ph.D., Daniel A. Norris, Ph.D.,
Tiffany Baumann, B.S., Irene Gwirach, Ph.D., Scott A. Schoebel, M.D.,
Eric X. Ji, B.S., Anne Y. Samih, Ph.D., C. Brussels-Remer, Ph.D.
ION 2021 Enterprise for Translational Research

~£15m active enterprise grants

J Pocock
£175,000
TREM2 antibodies for Alzheimer’s disease

E Wild
£886,000
Digital Huntington’s disease

A Isaacs
£128,000
Biomarkers for C9orf72 ALS/FTD

P Giunti
£492,000
Antisense oligonucleotides for ataxia

S Tabrizi
£90,000
Novel compounds for Huntington’s disease

J Schott
~£1M in kind
PET ligand provision for Alzheimer’s disease imaging

D Kullmann, M Walker, G Lignani
£4M
Gene therapy for epilepsy

ION Spinouts

qMRI Calibration solutions X. Golay

Next-generation data analytics in neurology F. Barkholf
Clinical Translation at IoN

- Maximize IoN’s translational activity and Impact
- Deputy Director for Enterprise, Translation and Advanced Therapies (Dimitri Kullmann)
- IoN Translational Research Manager linked to TRO
- Initial steps:
  - Science Translational Advisory Group
  - Facilitate interaction with TRO, JRO, UCLB, UCLC
  - Annual Symposium on translation/advanced therapies in neurology & neurosurgery
  - Facilitate exchange of expertise in advanced therapies (Genetic Therapy Accelerator)
Key Partnerships to deliver Translational Neuroscience

Hospital / Trust

NIHR Biomedical Research Centre: TN and Dementia

Faculty of Brain Sciences, LMS

UCL Partners

Sainsbury Wellcome Centre

Crick Institute

UCL Neuroscience Domain
UCLH appointed David Probert as new Chief Executive
September 2021
Charity / Philanthropy Partners

UCL OVPA

Brain Research UK

National Brain Appeal

Many charities and patient organisations e.g. Epilepsy Society, SameYou, Alzheimer’s Society, ARUK, MDUK, UCLH charity
(Some) research highlights 2020-21
New Departmental Structure at QS ION

Queen Square Institute of Neurology

Wellcome Centre for Human Neuroimaging
Prof Cathy Price

UK Dementia Research Institute @ UCL
Prof Karen Duff

Neuromuscular Diseases
Prof Linda Greensmith

Neurodegenerative Disease
Profs Sarah Tabrizi and Nick Fox

Brain Repair & Rehabilitation
Prof Dave Werring

Clinical & Experimental Epilepsy
Prof Ley Sander

Clinical & Movement Neuroscience
Prof Tony Schapira

Neuroinflammation
Prof Olga Ciccarelli
New Department new synergies
33 PIs Active Grants ~£39m

Discovery Science  Clinical research trials

(Movement Disorders Parkinson’s, Ataxia, mitochondrial disease),

Publications >200
Nature
Lancet Neurology
Nature Communications
JAMA Neurology
Brain
Annals of Neurology
Movement disorders
**Spontaneous replay of brain states in humans (Max Planck Centre)**

**Discovery:** Liu Y, ..., Dolan R. *Science* (2021)  
*The brain learns from both experienced and imagined events through replay*

**Translation:** Nour MM, Liu Y, ... Dolan R. *Cell* (2021)  
*Patients with schizophrenia exhibit reduced replay after inferring new relationships*
Improving epilepsy surgery outcomes with automated lesion detection
(Adler, Wagstyl et al., 2017, Wagstyl, Adler et al., 2020)

- Multi-centre study including 28 neurosurgery centres
- Algorithm for automated detection of Epileptogenic MRI abnormalities
- Incorporation into Epilepsy Surgery Meetings: NHNN, Cleveland Clinic
**How TDP-43 condensation influences its RNA binding specificity.**

RNA Binding-Protein condensation can occur in a binding-region-specific manner to selectively modulate transcriptome-wide RNA regulation. This has implications for remodeling RNA networks in the context of signaling, disease and evolution.
Circulating miR-181 is a prognostic biomarker for amyotrophic lateral sclerosis.

Magen……..Greensmith, Malaspina, Fratta & Hornstein

**Plasma miR-181: A novel predictive ALS biomarker**

When combined, miR-181+NfL represent a novel RNA-protein biomarker pair with superior prediction capacity of ALS prognosis.
A genetic link between risk for Alzheimer’s disease and severe COVID-19 outcomes via the OAS1 gene

Naciye Magusali,1,4 Andrew C. Graham,2,4 Thomas M. Piers,2 Pantila Panichnantakul,1 Umran Yaman,1 Maryam Shoaii,1,3 Regina H. Reynolds,3,4,5 Juan A. Botía,3,6 Keeley J. Brookes,7 Tamar Guetta-Baranes,8 Effychia Sellou,9 Sevinc Boyram,10 Dimitra Sokolova,1 Mina Ryten,3,4,5 Carlo Sala Frigerio,1 Valentina Escott-Price,9 Kevin Morgan,4 Jennifer M. Pocock,2 John Hardy1,3 Dervis Salih3

The Telegraph

Gene that increases risk of Alzheimer’s ‘also raises chance of severe Covid’

By Sarah Knaggon, Science Editor
03 Oct 2021 08:00

Dervis Salih (John Hardy lab)
Improved understanding of hallucinations & PD

Weil

Positive effect of ApoE

Crutch/Schott

Progranulin AAV gene therapy – NgTP programme to develop new biomarkers

Rohrer

International lead for Tau ASO trial in AD

Mummery

Contribution to societal portrayal of dementia in TV and film

Crutch and Rare Dementia Support team

Plasma amyloid predicts age at onset

Fox

Societal Impact

Enterprise

Discovery Neuroscience

Dept of Neurodegenerative Disease: Dementia Research Centre

Progranulin AAV gene therapy – NgTP programme to develop new biomarkers

Rohrer

International lead for Tau ASO trial in AD

Mummery

Contribution to societal portrayal of dementia in TV and film

Crutch and Rare Dementia Support team

Plasma amyloid predicts age at onset

Fox
Imbalanced basal ganglia connectivity is associated with motor deficits and apathy in Huntington’s disease.

Cell Reports

FAN1 controls mismatch repair complex assembly via MLH1 retention to stabilize CAG repeat expansion in Huntington’s disease.

Patent licensed by Adrestia Therapeutics (Steve Jackson) to translate findings into therapies or HD and other repeat expansion disorders.

Prof Tabrizi interviewed for Inside Health and Ingenious Radio 4 programmes.

Clinical trials

- UniQure (Phase I/II) gene therapy trial initiated
- PTC (Phase IIA) and Novartis (Phase IIB) small molecule splicing modulator trials initiated
- Development of MSH3 ASO and ZFN/TR gene therapies

9 new industry collaborations

Societal Impact

Prof Wild heavily involved in setup and running of the Crick and Business Design Centre COVID-19 vaccine centres.

North Central London recently passed the 2 million dose mark.

Enterprise

- Development of MSH3 ASO and ZFN/TR gene therapies
- Patent licensed by Adrestia Therapeutics (Steve Jackson) to translate findings into therapies or HD and other repeat expansion disorders
- Clinical trials initiated by UniQure (Phase I/II) and PTC (Phase IIA) and Novartis (Phase IIB)
- 9 new industry collaborations

Subject of special preview commentary article & journal front cover.

Jean Brown (left) and Rosemary Cowley, “Huntington loss”: research to help transform future of young patients.

Biological and clinical characteristics of gene carriers far from predicted onset in the Huntington’s disease Young Adult Study (HD-YAS): a cross-sectional analysis.

9 new industry collaborations

- Development of MSH3 ASO and ZFN/TR gene therapies
- Patent licensed by Adrestia Therapeutics (Steve Jackson) to translate findings into therapies or HD and other repeat expansion disorders
- Clinical trials initiated by UniQure (Phase I/II) and PTC (Phase IIA) and Novartis (Phase IIB)

9 new industry collaborations
Multimodal Biomarkers Quantify Recovery in Autoimmune Autonomic Ganglionopathy

Shihwen Koay, MBBS, BSc,1,2, Elvafat Vichayarat, MD, PhD,2, Fion Bremner, PhD, FRCP,1,3 Jalesh N. Panicker, MD, DM, FRCP,1,3 Bethan Lang, PhD,2 Michael P. Lunn, PhD, FRCP,2,4 Laura Watson, BSc,2 Gordon T. Ingle, MBChB, MD,2 Elke Merente Hagen, MD, PhD,2 Patricia McNamara, MB BCH BAO, PhD,2 Leslie Jacobson, DPhil,2,3 Vincenzo Provitora, MD,6,7 Maria Nolano, MD, PhD,7,8 Angela Vincent, FRCPath, FMedSci, FRSM,1,9 Christopher J. Mathias, FRCP, FMedSci,1,10 and Valeria Iodice, MD, PhD,1,2

Clinical stroke risk scores from a study of 20,000 patients

Jonathan Best, David Werring

Lancet Neurol 2021; 20: 294–303

Developement of imaging-based risk scores for prediction of intracranal haemorrhage and ischaemic stroke in patients taking antithrombotic therapy after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies

Valeria Iodice

Autonomic neurology group

Ying Li

Spinal Repair Group

High-Yield Mucosal Olfactory Ensheathing Cells Restore Loss of Function in Rat Dorsal Root Injury

Kamile Minkelyte 1, Andrew Collins 1, Modinat Liadi 1, Ahmed Ibrahim 1, Daqing Li 1, and Ying Li 1,2,3

Brain Repair Rehabilitation: Discovery & Translational Science
Prof Karen Duff
Head of DRI
Department @ION
14 PIs £39m

£250m
investment from 3 founding funders

400
UK DRI researchers will accelerate treatments for millions of people

Partners
are key to the success of the UK DRI

Adrian Ivinson
COO.

Bart De Strooper
Discovery Neuroscience

Dr Tim Bartels - Immune cells as modifiers pathology spread in PD mouse models
In collaboration with Soyon Hong (Chan Zuckerberg Initiative) £120k direct now, potentially £1.2M

Dr Frances Wiseman - RoseTrees Trust PhD Studentship Using transcriptomics to investigate neuroinflammation in Alzheimer’s disease associated with Down Syndrome £75,000

*Prof Karen Duff - Differential vulnerability to tauopathy in Alzheimer’s disease and Frontotemporal Lobe Dementia £5,115,000.00
*grant transferred to UCL Summer 2021

Prof Bart De Strooper

Cell Stem Cell

Restoring miR-132 expression rescues adult hippocampal neurogenesis and memory deficits in Alzheimer’s disease

Authors
Hannah Walgrave, Srinim Balusu, Sarah Snoeck, ..., Carlo Sala Frigerio, Bart De Strooper, Evgenia Safa

Correspondence
b.strooper@ucl.ac.uk (B.D.S.), e.safatmim.know.nl (E.S.)

In brief
The process of generating new neurons from adult NSCs in the brain is hindered in AD. Walgrave et al. identify miR-132, a microRNA strongly downregulated in AD, as a potent regulator of neurogenesis in mouse and human, whose overexpression in adult NSCs rescues neurogenic and memory deficits in AD mice.
Enterprise

- EpiNav software platform for 3D multimodal imaging and planning intracranial trajectories and resections had been granted a US patent – John Duncan

- Spinout Company: EpilepsyGTX to bring several Gene Therapies for Epilepsy to the clinic - Dimitri Kullmann

Gene Therapy and Gene Editing for Channelopathies
Nimodipine Reduces Dysfunction and Demyelination in Models of Multiple Sclerosis

Roshni A. Desai, PhD, 1,7 Andrew L. Davies, PhD, 1,7 Natalie Del Rossi, MSc, 1
Mohamed Tachrount, PhD, 2,7 Alex Dyson, PhD, 3 Britta Gustavson, MSc, 1
Pardis Kaynezhad, PhD, 1,7 Lewis Mackenzie, PhD, 3,8 Marieke A. van der Putten, PhD, 1,9
Daniel McElroy, PhD, 6 Dimitra Schiza, PhD, 1 Christopher Linnington, PhD, 6
Mervyn Singer, MD FRCP, 3 Andrew R. Harvey, PhD, 5 Ilias Tachtisidis, PhD, 4
Xavier Golay, PhD, 2 and Kenneth J. Smith, PhD 1

ANN NEUROL 2020;88:123–136
Lead by Prof Chataway and Prof Parmer, MRC-CTU
£12M award from UK MS Society
2021 Sustainability Award winners at the Institute

Green Impact (Office awards)
- IoN Admin* (Silver)
- Queen Square Library (Silver)
- Dementia Research Centre (Gold)

*includes: Brain Repair and Rehabilitation (Russell Square House), Imaging Neuroscience (12 Queen Square), Neurodegenerative Disease (Queen Square House), Education Team (7 Queen Square) and Admin and Library (23 Queen Square), Max Planck UCL Centre for Computational Psychiatry and Ageing Research (RSH)

LEAF (Labs awards)

Bronze
- Neuroinflammation (Wakefield Street)
- Brain Repair and Rehabilitation
- Clinical and Movement Neurosciences

Silver
- Neurodegenerative Disease
- Clinical and Experimental Epilepsy
- UK DRI at UCL

Gold
- Neuromuscular Diseases
- Neuromuscular Diseases (Cruciform)

UCL Queen Square Institute of Neurology Green Day Symposium 25th January 2021

25 January 2021

The Institute held its first Green Day Symposium on 25th January 2021, building on its success in recent UCL Sustainability awards, and celebrating initiatives at UCL and beyond. The virtual event was joined by nearly 120 UCL staff and students.
Our EDI Mission:
The Institute fosters a positive cultural climate where all staff and students can flourish and be their authentic selves.

Information, resources and support: www.ucl.ac.uk/ion/working-institute

Harness the power of diversity
Dr Ana De Sousa e Faro
Athena EDI Project Manager
Joined September 2020

Deputy Institute Director for
Equality, Diversity & Inclusion
Professor Helene Plun-Favareau
Chair of ION EDI committee
We welcome new Athena SWAN Leads and new EDI Reps

Gabriele Lignani
Athena SWAN Co-Lead

Laura Allum
Athena SWAN Co-Lead

Tracy Skinner
PSS Representative

Tatiana Georgiades
Students Representative

Tricia Seow
ECR Representative

Elizabeth Fisher
Athena SWAN Co-Lead

Nick Wood
Co-Lead

Thank you for all your hard work!
Committed to support Career Development at the IoN

Jo Barnes
Former IoN Mentoring Scheme Lead
2016 - 2021

Thank you for all your hard work!

Bilal Malik
IoN Mentoring Scheme Lead

Ed Wild
Contact for Clinical Scientists Mentoring Scheme

Team supporting work of Mentoring Scheme:
Chris Hardy
Katarzyna Schubert
Katie Kelly
Phillip Muza
Sophie Roberts
Ali Alim-Marvasti

Chris Hardy
Recipient of 2021 IoN Excellence in Mentoring Award

Thank you to all the mentors!
Senior Promotions 2021

Effective 1st October 2021

Christos Proukakis
Professor of Neurology and Neurogenetics

Jonathan Rohrer
Professor of Neurology

Vladimir Litvak
Professor of Translational Neurophysiology

Dominic Bach
Professor of Cognitive-Computational and Clinical Neuroscience

Gabriele Lignani
Principal Research Fellow

Rina Bandopadhyay
Principal Research Fellow

Rebecca Samson
Principal Research Fellow

Christian Lambert
Principal Research Fellow
Early Career Research Promotions

Lauren Byrne (Neurodegenerative Diseases)

Miha Modic (Neuromuscular Diseases)

Yael Hacohen (Neuroinflammation)

Nadine Dijkstra (Imaging Neuroscience)

Tim Tierney (Imaging Neuroscience)

Elliott Wimmer (Imaging Neuroscience)
Prof Roger Lemon elected Fellow of the Royal Society

Prof Antonella Spinazzola
BRUK Miriam Marks Fellowship 2020

Prof Tom Warner
President 2021-23

Gabriele Lignani received
the Young Investigator
Harinarayan Award from ILAE Epilepsy

Prof Lisa Cipolotti elected Fellow of the Academy of Medical Sciences

Royal College of Physicians announces Dr Catherine Mummery as new councillor

Winner of the 2021 Charcot Award
Professor Alan Thompson
Emeritus Professor Louis Lim
Department of Neurochemistry
Died February 02, 2021.
NO FUNDS IDENTIFIED!

£281m
256 Grays Inn Road:
Construction Progress
Nov 2021 images

Thanks to Kevin Argent UCL Estates Team
Sponsor Alan Thompson
Thanks to David Howard

“BIG DIG” STARTS NOV - “BOTTOM OUT” FEB 2022 “TOP OUT” FEB 2023
“BREAKING GROUND”
MAY 2021
256 Grays Inn Road: CGI impressions  Co-location patients and science
New Core Facilities Connecting Community

New technologies and new ways of working

Connecting Patients/samples with research Scientists to technology Scientists to Scientists

- Animal Behavioral Unit
- Scientific IT Platform
- Single Cell Analysis
- MRI Research
- Genetic Therapy
- Cell Imaging & Microscopy
- Bioinformatics & Biostatistics
- Engineering & Electronics
- Genomics & NGS
- Robotic HiPSC
- Tissue Processing & Analysis

Next Generation Sequencing

Human Imaging

Super-resolution microscopy
Queens Square Institute of Neurology

IoN-DRI programme UCL Translational Neuroscience

We are building a world-class research and treatment environment to fight neurological diseases and maintain UCL's position as a global leader in pioneering research into neurological conditions.

UCL Translational Neuroscience

Unrivalled opportunities for multidisciplinary collaboration.

Scientists - Clinicians - Patients

Breakthrough discoveries → Targeted development → Effective treatments

New ways of working

Shared facilities → Flexible space → Core technologies & central services

Designed to support collaborative, efficient and sustainable ways of working.

A dual hub for UCL Translational Neuroscience

By bringing the new facility into UCL's existing neuroscience community, we aim to create an outstanding environment for students and the most comprehensive, coordinated neuroscience research hub in the world.

Core technology platforms

11 state-of-the-art core technology platforms will revolutionise scientific discovery.

The core technology platforms will enable a faster, more efficient and scalable translation of scientific discoveries into new therapies for neurological diseases.

Working in partnership with industry

Queen's Square Institute of Neurology

UK Dementia Research Institute

University College London Hospitals

NHS Foundation Trust
Training the Next Generation

Deputy IoN Director Education & Student Experience

### IoN Student Numbers

<table>
<thead>
<tr>
<th></th>
<th>Oct 2012</th>
<th>Oct 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc</td>
<td>80</td>
<td>260</td>
</tr>
<tr>
<td>PhD</td>
<td>170</td>
<td>281</td>
</tr>
<tr>
<td>Total</td>
<td>250</td>
<td>541</td>
</tr>
</tbody>
</table>
PGT Scholarships

BAME Scholarship
Razna Ahmed, MSc Clinical Neuroscience
Edouard Chkaiban, Clinical Neuroscience

International Excellence Scholarships
Tsi Lok Ho, Clinical Neuroscience
Siew Mei Yap, MRes Neuromuscular Disease
Shai Fuchs, Clinical Neuroscience

Stroke Academic Excellence Scholarship
Denisa Rijal, Clinical Neuroscience: Stroke Medicine
Ezarat Cheah, Clinical Neuroscience: Stroke Medicine

UCLFAA MSc in Dementia Scholarship
Nalini Hazra, Dementia: Causes, Treatments and Research (Neuroscience)

ION Delighted to welcome new international PGT scholarship students 2021
Masters Student Awards

MSc Dementia (Neuroscience) award
• Hye Jeong

Richard Frackowiak Award MSc Brain and Mind Sciences award
• Ms Sylvia Blackmore

MRes Translational Neuroscience award
• Ms Sophie Field
IoN Education Achievements

- **2021 IoN PhD Student Supervision Survey:**
  87% report overall supervision is excellent/good

- **2021 PRES Results: Continued Improvement!**

Special Thanks for PGR Support:

Tracy Skinner
Research Degree Programme Coordinator

Des Bates
Research Degree Programme Manager

<table>
<thead>
<tr>
<th>Year</th>
<th>Response %</th>
<th>Supervision</th>
<th>Resources</th>
<th>Research</th>
<th>Culture</th>
<th>Progression</th>
<th>Responsibilities</th>
<th>Research Skills</th>
<th>Professional Development</th>
<th>Overall</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>54</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>N/A</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>44</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Key:
1 Top quartile
2 Upper quartile
3 Lower quartile
4 Bottom quartile
2021 PhD Supervision Award: Professor Gipi Schiavo.

Students/R(DGT)s say:
- Outstanding scientific/technical knowledge
- Despite large group and major UCL duties, he regularly meets/makes time for students
- Great pastoral care (esp. during pandemic)
- Supports academic/career development
Empowering undergraduates and graduates from disadvantaged backgrounds to progress into careers in research and academia

- The one-year mentorship and development programme includes a paid 8-week research placement and recently gained external sponsorship from Deep Mind, Cancer Research UK, and Sainsbury Wellcome Centre.

- The programme has also just been awarded £800K by Office for Students and UKRI to expand the initiative across the UK.
The Queen Square Institute of Neurology is pleased to offer four 4-year basic science PhD studentships in the field of Neurodegenerative Disease starting in September 2020.

6 NEW NEUROLOGY NEUROSURGERY PHD FELLOWSHIPS recruiting for 2021/22
CONGRATULATIONS TO ALL ION STUDENTS GRADUATED ON LINE 20-21!

Huge congrats to all of our students who graduated over the last week. We hope you have been celebrating! 🎉🥳🎉

bit.ly/2TapH6M

#FBS2021Grad #UCLGrad

"As a Faculty, we champion ‘research embedded’ education and provide opportunities for students to network and communicate the output of their research. We aim to prepare our students not only to succeed but to become the next generation of experts in brain sciences."

Professor Alan Thompson Dean, Faculty of Brain Sciences

UCL Queen Square Institute of Neurology and 4 others

3:27 pm - 13 Jul 2021 - Twitter Web App
Senior Promotions 2020 Effective 1st October 2021

Tim Young
Associate Professor (teaching)

Adam Liston
Associate Professor (teaching)

Amit Batla
Associate Professor (teaching)
Dr Michael Spence
Provost & President
UCL

“Universities and a Health System for the Future”.