

MEETING OF THE MINDS 2022

UK's largest international student-led conference on Neuroscience



DELEGATE HANDBOOK

29+30 JANUARY 2022



MEETING OF THE MINDS 2022

An international student-led conference on Neuroscience

IMPERIAL COLLEGE LONDON

29th + 30th January 2022

Organised by:



**IMPERIAL COLLEGE
NEUROSCIENCE
SOCIETY**

Proudly sponsored by:



MDU Pastes+

CONTENTS

1. Introduction

- [President's Address](#)
- [About Us](#)
- [Our Patrons](#)

2. Event Details

- [Event Schedule](#)
- [Speaker Biographies](#)
- [Workshop Details](#)
- [Our Sponsors](#)
- [Notes](#)

PRESIDENTS' WELCOME

Dear Delegate,

On behalf of the Committee of Imperial College's Neuroscience Society, we would like to extend our warm welcome to all of the presenters, participants and speakers at Meeting of the Minds 2022!



Since its conception, Meeting of the Minds has aimed to provide a platform for students and scientists alike to widen their passion for neuroscience and explore the different areas that the discipline has to offer. This international conference will give opportunities for sharing and exchanging original research ideas and opinions, gaining inspiration for future research and broadening knowledge about various fields in the world of neuroscience, from world-class experts.

Meeting of the Minds is the UK's largest university-based neuroscience conference and we are looking forward to making the conference even more accessible. This year, the conference will be delivered online, allowing us to reach a wider and more diverse delegation, ranging from pre-clinical students to post-doctoral researchers, from the UK and beyond. We hope this conference brings many of our delegates together, to form lasting connections founded on a shared passion for neuroscience.

We also want to express our sincere appreciation for the kindness and generosity of our sponsors and partners, from whom you will hear more throughout the conference. We would also like to thank our committee for working hard over the past several months to put together this truly fantastic set of opportunities for all of us today and throughout the rest of the year.

Most of all, we would like to thank you, our delegates, without whom there would not be a reason to host such a conference. We promise this will be an exciting learning experience for you all. We wish you a great day full of discussions, learning and new experiences. We hope you have a wonderful Meeting of the Minds 2022!

Nicole George

President Imperial Neuroscience Society 2022

Anex

President Imperial Neuroscience Society 2022

ABOUT US

Imperial College Neuroscience Society is the largest undergraduate and graduate student neuroscience organisation in London. We run over 20 events across a wide range of topics for both Imperial and public attendances, and have grown to be the largest and most active student-led neuroscience society in London.

We were established in 2011 by a group of medical and biomedical undergraduates with the vision of inspiring students who share a collective passion for neuroscience and nurturing neuroscience leaders of the future.

For more details, please visit: <https://www.icneuroscience.com>



**IMPERIAL COLLEGE
NEUROSCIENCE
SOCIETY**

EXECUTIVE COMMITTEE 2022

Presidents:	Nicole George, Anex Wilson
Treasurer:	Rena Darbar
Secretary:	Anusha Prabhu
Publicity Officer:	Rakhitha Katangodage
Research and Audit Coordinator:	Viren Rathod
Teaching Coordinator:	Charlotte Barot
Volunteer Coordinator:	Jessica Mascarenhas
Speaker Series Coordinator:	Ayse Caglayan

CONFERENCE COMMITTEE 2022

Chair:	Hamaas Hassan
Secretariat:	Aoife Madden
Speaker coordinator:	Ayomide Lawal
Workshop coordinators:	Julia Borowicz, Wei Quin Chan
Publicity officer:	Khushi Sakhi
Art director:	Hamza Rana
Sponsorship officer:	Soshin Limbu

OUR PATRONS

PROFESSOR STEVE GENTLEMAN

Professor Steve Gentleman is Professor of Neuropathology and Director of Education in the Department of Medicine at Imperial College London.

Over the past 20 years, he has run an active research team investigating the pathology of neuro- degenerative disease and traumatic brain injury. In some of his early work, he identified pathological changes in the brains of people who had died of serious head injuries, which were very similar to those seen in the early stages of Alzheimer's

disease. In more recent years, he has been part of a European consortium of neuropathologists who have been working to standardise the diagnosis of neurodegenerative diseases. Using this expertise, he provides diagnostic support for the Parkinson's UK and Multiple Sclerosis Society tissue banks at Imperial, and is a member of the Medical Research Council Brain Bank Network management committee.

Professor Gentleman is one of Imperial College Neuroscience Society's strongest supporters, and has driven the success of one of the society's key initiatives - the Brain Cutting Scheme, offering the rare opportunity for students to witness his brain autopsies. He is also an active mentor for many students at the university.



PROFESSOR ADOLFO BRONSTEIN

Professor Adolfo Bronstein is Professor of Clinical Neuro-otology at Imperial College London, Consultant Neurologist at Charing Cross Hospital as well as the National Hospital for Neurology and Neurosurgery, Queen Square, London. He heads the Neuro-otology Unit in the Division of Brain Sciences at Imperial College and is an Honorary Professor at the UCL Institute of Neurology.

Professor Bronstein is the Chairman of the British Society of Neuro-otology, and President of the Neuroscience section of the Royal Society of Medicine. He has written over 200 papers on

clinical and basic aspects of eye movements, balance and spatial orientation. He is Associate Editor of Gait and Posture and is on the editorial board of Journal of Vestibular Research, Auris-Nasus-Larynx, and Frontiers in Neurology.

Professor Bronstein is a founding patron of the Imperial College Neuroscience Society, and a long-time supporter of the society's many events since its inception.

SCHEDULE

29TH JANUARY

Time	Event
09:20-09:30	Opening remarks
09:30-10:40	Professor Friston
10:45-11:55	Sarah Warley
12:15-13:00	Mr Tsang

30TH JANUARY

Time	Event
9:30-10:40	Dr Udeh-Momoh
10:45-11:55	Elizabeth Nightingale
12:00-13:10	Luming Zhou
13:30-14:30	Professor Steve Gentlemen

SPEAKER BIOGRAPHIES

Speaker: Professor Karl Friston



Professor Karl Friston is a critically acclaimed neuroscientist who invented statistical parametric mapping (SPM), voxel-based morphometry (VBM) and dynamic causal modelling (DCM). These contributions were motivated by schizophrenia research.

Friston currently works on models of functional integration in the human brain and the principles underlying neuronal interactions.

He was elected a Fellow of the Academy of Medical Sciences (1999). In 2008 he received a Medal, College de France and an Honorary Doctorate from the University of York in 2011. He became a Fellow of the Royal Society of Biology in 2012, received the Weldon Memorial prize and Medal in 2013 for contributions to mathematical biology and was elected as a member of EMBO (excellence in the life sciences) in 2014 and the Academia Europaea.

Sarah Warley



Sarah Warley is the founder of The Key Clinic, the first practice to bring together multiple cutting edge, drug-free treatments under one roof to help improve people's lives. Sarah has a BA and MA in Experimental Psychology from Oxford University. Following the birth of her four children, she was struck by the increase in childhood learning and behavioural difficulties and how little practical knowledge and help there was on offer to help overcome these problems.

She went on to complete post graduate training as a Neurophysiological Psychologist at the Institute of Neurophysiological Psychology (INPP) in Chester and also qualified as an Auditory Integration Therapist, targeting the root causes of many learning and behavioural difficulties.

Dr Chi Udeh-Momoh



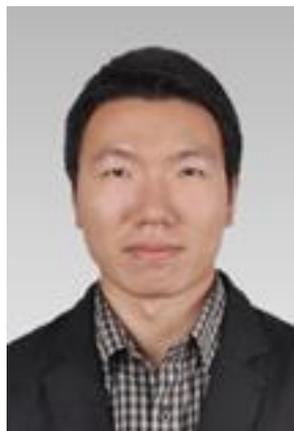
Dr Chi Udeh-Momoh is a Neuroscientist based at Imperial College London. Having completed a competitive CASE PhD studentship in Neuroscience and Neuroendocrinology at the MRC Centre for Synaptic Plasticity at the University of Bristol, her current research focuses on the brain-immune-endocrine system interplay in the aetiology and pathophysiology of neurocognitive disorders, particularly Alzheimer's disease. She is scientific coordinator and programme manager of one of the world's largest longitudinal dementia-prevention programmes, the CHARIOT:PRO studies, with > 2000 cognitively healthy older adults screened.

In 2018, she initiated the FINGER-AFRICA project that aims to develop and implement culturally-sensitive and sustainable multimodal lifestyle intervention strategies targeting multimorbidities including dementia, in Sub-Saharan African populations, and investigate underlying mechanisms contributing to observed effects.

She is incredibly passionate about gender and racial disparities in medical research and academia; and alongside research in this area leads diversity initiatives as part of the Opportunity Committee at Imperial College, and further sits on the Board of Trustees of the British Society of Neuroendocrinology as the Equality and Diversity Inclusion Lead.

Dr Luming Zhou

Luming Zhou obtained his Ph.D at Hertie Institute for Clinical Brain Research (HIH), University of Tuebingen in Germany supervised by Prof. Simone Di Giovanni. He has been investigating the epigenetic mechanisms controlling axonal regeneration in dorsal root ganglion (DRG) neurons following spinal cord and sciatic nerve injury. He is currently a Research Associate in Prof. Simone Di Giovanni's laboratory at Imperial College London where he investigates age-dependent mechanisms that underpin regenerative decline.



Elizabeth Nightingale



Elizabeth is a qualified Music Therapist, registered Neurologic Music Therapy Fellow, qualified MATADOC assessor, NICU-MT, and a UK trainer in the Music Therapy Star – an evidence-based outcome measure. Elizabeth holds the role of Neuro Services Lead at Chiltern Music Therapy, leading on business development in the neuro rehab and medicolegal sectors. NMT mentoring and supervision support to trainees and therapists

also forms part of this role alongside raising awareness of NMT by delivering bespoke training and presentations to relevant professionals. She also works clinically as a Neurologic Music Therapist specialising in brain injury, working as a practitioner in a Level 1 rehabilitation unit and in the community with case managed individuals. Elizabeth has had her work and research published in the Brain & Spinal Injury Handbook, Journal of Dementia Care, and the British Journal of Music Therapy. 

WORKSHOP DETAILS

Workshop

Live Brain Dissection

Presented by: Professor Steve Gentleman, Professor of Neuropathology, Imperial College London

Available during: Saturday 29th 12:15 – 1:00pm



Our popular brain dissection workshops are back! This rare opportunity to witness a live brain autopsy is something that cannot be missed!

Join Imperial's very own Professor Steve Gentleman, Professor of Neuropathology, as he performs an autopsy on specimens diagnosed with neurodegenerative conditions during antemortem period.

This brain-cutting workshop will provide an opportunity for students to appreciate the central nervous system in ways they have never seen before. The interior features of the brain are analysed in great detail with a world-class neuroscientist, with opportunity to ask questions and observing brain pathology along the way - a truly once-in-a-life experience!

The workshop will cover the following topics:

- The basic structure of the central nervous system (including the interior features of the brain)
- The common brain pathologies associated with neurodegenerative conditions

Workshop 2

Introduction to Neurosurgery and Case-Based Discussion

Presented by: Mr Kevin Tsang, Consultant Neurosurgeon, Imperial College Healthcare NHS Trust

Available during: Saturday 29th 12:15 – 1:00pm



Delivered by Mr Kevin Tsang, Consultant Neurosurgeon at Imperial College Healthcare NHS Trust, this workshop will provide delegates with an insight into the variety of neurosurgery and interesting cases that we can encounter on a neurosurgical ward.

The workshop will cover the following topics:

- Delegates will gain essential knowledge and top tips on the effective management of key neurosurgical conditions, which might arise in an acutely unwell neurosurgical patient
- The example cases might include headaches, brain vascular abnormalities and neuro-oncology
- Current best practice, new developments, and clinical trials in progress in neurosurgery will also be discussed



MDU

Free MDU membership for medical students

MDU members get:

- **Notes** journal packed with advice, news and views
- revision resources and events sponsorship
- confidential medico-legal advice
- assistance with medical school fitness to practise procedures
- indemnity for your elective* and access to The Electives Network
- access to quick guides, student dilemmas, e-learning and more.

The MDU is a mutual, not-for-profit organisation that provides access to indemnity and medico-legal advice for members.

Join the MDU

w [themdu.com/apply](https://www.themdu.com/apply)
t 0800 716 376



*Contact our membership team to arrange your indemnity before you go. Some countries are excluded.

Ace your Finals with Pastest!



- 5500+ med school specific questions
- Free app
- Mock exams
- New Expanded Explanations
- Free OSCE, SJT and PSA resources.

Now just £12 for 4 months!

Buy or try the resource:
pastest.com/finals

Pastes⁺





MEETING OF THE MINDS 2022

A student-led international conference on Neuroscience



**IMPERIAL COLLEGE
NEUROSCIENCE
SOCIETY**