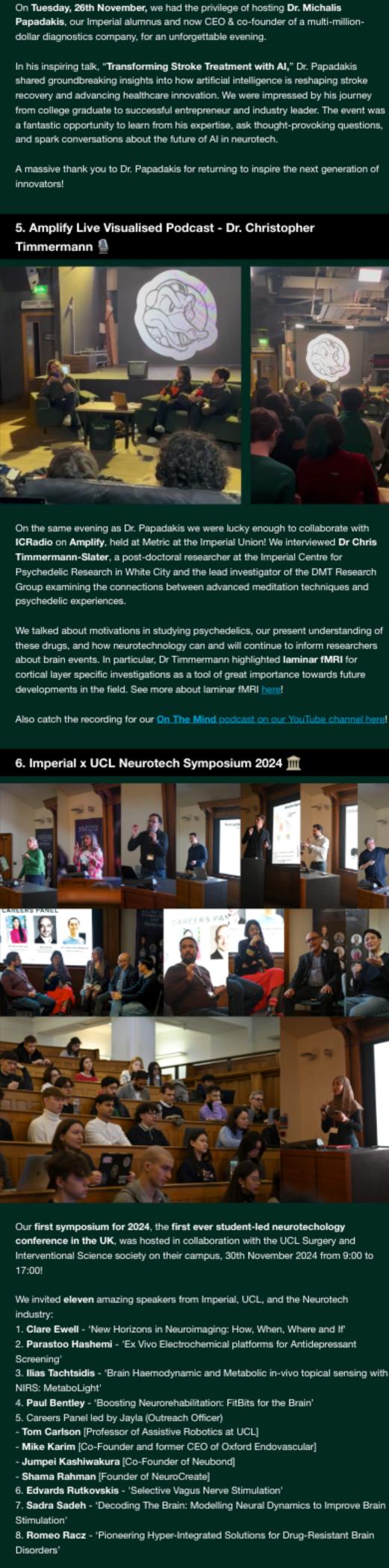


ICL Neurotech Monthly Newsletter 🎄

ISSUE 2. DECEMBER 2024



Our symposium was a hub of groundbreaking insights and innovation, bringing together the brightest minds in the field. We are immensely grateful to the

professionals who shared their expertise through informative and inspiring talks, covering a wide array of fields within neurotech—from brain-computer interfaces to therapeutic applications and beyond. The lively careers panel offered invaluable advice for aspiring professors, researchers, and entrepreneurs, leaving attendees

It was heartening to see the attendees and professionals engaging in meaningful networking, exchanging ideas, and building connections that could spark future collaborations. The vibrant discussions and shared passion for neurotech made this

Also, huge congrats to the 1st place winner of the essay competition, Alima Nurpeissova, for her insightful essay about 'Revolutioning Epilepsy Care with

Thank you to Imperial and UCL committee who made a great effort to organise this event and all the attendees who made this symposium an unforgettable experience!

 December 5th 6pm: Simon Schultz Talk - Watching Thought: using light, and viruses, to probe brain function and how it goes

NEUROTECH TALK

WATCHING THOUGHT: USING LIGHT, AND VIRUSES, TO
PROBE BRAIN FUNCTION AND HOW IT GOES WRONG.

PROF. SIMON SCHULTZ

Professor Simon Schultz, Professor of Neurotechnology and Director of the Centre for Neurotechnology at Imperial, will present his groundbreaking research on using

December 12th 6pm: Neurotech x Femtech x Neuroscience Collab Series Talk #5: Jumpei Kashiwakura, Co-Founder and

neurorehabilitation company will be talking about his work on neurorehabilitaiton, how he started in the Neurotech space, and pitfalls to avoid for prospective

Not many events this month due to winter break
\$\left(\frac{\pi}{2}\) Enjoy your break and look forward for more events at spring term!

EXTERNAL NEUROTECH OPPORTUNITIES 👘

1. Student Position in Startup Focused on Brain Health and

Seeking a student with an entrepreneurial spirit for a flexible 10-20 hour per week position in a startup focused on holistic brain health, and with additional focus on

Minimum commitment of 3 months, with potential for a longer term role.

the website and generally supporting the Founders and team.

nutritional product to help people manage their brain health.

dementia by adjusting their lifestyle choices.

The product will be launched in 2025.

brain health, and entrepreneurial.

Brain health Network

is launched.

How to apply

and Future

Link to tickets

haemoglobin.

and speak naturally.

placed in an MRI machine.

https://doi.org/10.1016/E678-0-12-600670-6.00017-0

(Muirhead et al, 2024)

will provide everything!

🎢 Join us <u>here now</u>! 🎢

settings.

THE MONTH

Selected paper of December 2024 is:

emotions made of?

Wed, 4 Dec 2024 18:30 - 21:00 GMT

Disorder and Schizophrenia

Thu, 5 Dec 2024 18:00 - 20:00 GMT

1-19 Torrington Place London WC1E 7HB

Wednesday, December 4 · 6 - 7:30pm GMT

Tuesday, 17 December 2024, Time: 12.00 - 13.00 GMT

3.03, Royal School Of Mines, South Kensington Campus

Maxwell Centre, JJ Thomson Avenue Cambridge CB3 0HE

7. Neuromorphic Computing for Science

The Royal Institution, 21 Albemarle Street London W1S 4BS

TECHNOLOGY 🕸 OF THE MONTH 🛨

Functional near-infrared spectroscopy (fNIRS) 📦 🚨 is a non-invasive

absorption/scattering of light in response to oxygenated and deoxygenated

advantage is that participants feel more comfortable during measurements

neurotechnology that shines near-infrared light through the skull and analyses the

It is safer and more cost-effective alternative to fMRI (at 1/10th the price), making it more convenient for conducting research on a large number of participants. Another

compared to fMRI, as they don't have to lie still in an MRI machine and can move

We came across this technology in the Imperial x UCL Neurotech Symposium, where Professor Clare Ewell from UCL introduced her research using fNIRS to image infant brains and monitor their brain development. Professor Ewell's research demonstrates how fNIRS is effective for studying samples like babies, who are too sensitive to be

"Implanted cortical neuroprosthetics for speech and movement restoration 🎉"

This paper reviews the development and use of implanted cortical neuroprosthetics (ICNs) designed to help individuals with paralysis, aphasia, or other conditions regain speech and movement by decoding brain signals. It examines current progress, potential applications, technical and ethical challenges, and highlights the

importance of these devices for improving communication and mobility in clinical

We are thrilled to announce our very own Neurotech hackathon for next month!

long lock-in, providing you with the tools and food to build something great.

In collaboration with NeurotechX and Entrepreneur First, we are hosting a 30-hour

Come with ideas; with dreams; with aspirations for a better tomorrow.... or don't, we

Our website: https://iclneurotech.co.uk/
Contact us: neurotec@ic.ac.uk

View email in browser

ICL Neurotech · Exhibition Road · London, London SW7 2AS · United Kingdom

update your preferences or unsubscribe

If you are interested, have a look at the full paper with this link

Teams, food, drink, prizes, inspiration and more - we got it all.

THACKATHON ANNOUNCEMENT

Wed, 18 Dec 2024 15:30 - 18:30 GMT

Fri, 24 Jan 2025 19:00 - 20:30 GMT

Rewley House, 1 Wellington Square Oxford OX1 2JA

Important information

closely with the team.

 Responsibilities will vary and we are looking for someone who likes to do lots of different things including: preparing for product launch, working with a network of >30 neuroscientist academics, building audience engagement via social media and

The ideal candidate is adaptable, articulate, passionate about neuroscience /

 A small team has set up Brain Health Network (link) - a dedicated platform to help people understand and manage brain health through the latest research. A number of years of research and development has also gone into formulating and preparing a

The ultimate goal is to help people to reduce the risk / delay the onset of

 The team have already built a significant audience of people concerned about their brain health, and this will be the first target market once the nutritional product

You will need to spend some time in London from time to time, to meet and work

Send your CV and 3 reasons why you'd love to do this role and how you can best

The role will be paid at £15/hour, whether in London or working from home.

contribute to the goals of Brain Health Network to oliver.sharman@brain.health

3. UCL Psychology Society - Field Perspectives on Bipolar

4. Northeastern University - Neurocollective meetup: What are

Northeastern University London, 58 Saint Katharine's Way London E1W 1LP

5. 2-Photon Optogenetic Mapping of Neocortical Microcircuits

6. Cambridge NeuroWorks Launch Event - Powered by ARIA

2. Christmas Lecture: Computation and Society: Past, Present

Dr Jumpei Kashiwakura, Co-Founder and CEO of Neubond, a stroke

motivated and prepared for their next steps.

Shape-Changing Neural Interfaces'. 🎉

wrong

event not just informative but also truly memorable.

WHAT'S ON 📆 DECEMBER 2024

Thursday 5th Dec 6:00 pm

light and viruses to study brain function.

CEO of Neubond

entrepreneurs.

Nutrition

nutrition.

📆 Thursday, 5 Dec 2024, 6:00pm, RSM 1.31

Thursday, 12 Dec 2024, 6:00pm, RSM 1.31

ES\$