



Thematic Workshop 3 9-12 April 2024, Newcastle



Meeting venue: Dame Margaret Barbour Building,
Wallace St, Richardson Rd,
Newcastle upon Tyne
NE2 4DR

[Campus map](#)

<https://maps.app.goo.gl/jzH19PNzpJQmtanw9>

Day 1 – Tuesday 9/04	
AFTERNOON session	
Visual System Sessions	
Chairs: Sameer and Viviane	
13:00 – 13:50	Matteo Carandini (<i>University College London, UK</i>) How vision joins other signals to influence a decision.
13:50 – 14:00	Questions & Answers
14:00 – 14:20	Salvatore Giancani (<i>Aix-Marseille University, France</i>) Neuronal processing of long-range apparent motion and behavioral consequences in primates.
14:20 – 14:30	Questions & Answers
14:30 – 14:50	Valeriya Zelenkova (<i>University of Bremen, Germany</i>) - online Understanding network information processing and signal routing in monkey visual cortex.
14:50 – 15:00	Questions & Answers
15:00 – 15:15	Break
Chairs: Mojtaba and Viviane	
15:15 – 15:35	Mahyar Doost (<i>Newcastle University, UK</i>) Coupling of soloist and chorister neurons with cortical states.
15:35 – 15:45	Questions & Answers
15:45 – 16:35	Lars Muckli (<i>University of Glasgow, UK</i>) Layers of primary visual cortex as a window into internal models about predicted environments. Human fMRI and monkey and rodent neuroscience.
16:35 – 16:45	Questions & Answers
16:15 – 17:15	Supervisory Board Meeting (online/in person) – Consortium only

Day 2 – Wednesday 10/04	
MORNING session Motor System Sessions	
Chairs: Leyla and Laura	
09:00 – 09:50	Juan Alvaro Gallego (<i>Imperial College London, UK – on Zoom</i>) Understanding motor control through neural manifolds.
09:50 – 10:00	Questions & Answers
10:00 – 10:20	Yorgos Bardanikas (<i>Aix-Marseille University, France</i>) Evidence of dynamic top-down influences in the parieto-frontal network during visuomotor behavior.
10:20 – 10:30	Questions & Answers
10:30 – 10:45	Break
Chairs: Yorgos and Salvatore	
10:45 – 11:05	Alireza Fathian (<i>German Primate Center (DPZ), Germany</i>) Reaching and Grasping in the Primate Fronto-Parietal Grasp Network.
11:05 – 11:15	Questions & Answers
11:15 – 11:35	Viviane Tenorio (<i>Newcastle University, UK</i>) Not just another NHP reaching out dataset.
11:35 – 11:45	Questions & Answers
11:45 – 13:00	Lunch
AFTERNOON session Lab Tours	
13:00 – 15:00	Guided visit to the CBC Primate facility and labs. <ul style="list-style-type: none"> • 6 groups of 5 people ; • One group at a time ;
Chairs: Viviane Tenorio and Yorgos	
15:30 – 15:50	Laura López Galdo (<i>Aix-Marseille University, France</i>) Layer-resolved beta rhythm dynamics in macaque premotor cortex.
15:50 – 16:00	Questions & Answers
16:00 – 16:50	Nicolas Mallet (<i>Bordeaux Neurocampus, France</i>) Exploring the Function and Dysfunction of the Pallidostriatal Feedback Loop via Arkypallidal Neurons.
16:50 – 17:00	Questions & Answers
Day 3 – Thursday 11/04	
MORNING session Cognitive System	
Chairs: Reema and Alireza	
09:00 – 09:50	Sylvia Wirth (<i>CNRS, France</i>) Neural codes for space and time in the macaque hippocampus.
09:50 – 10:00	Questions & Answers
10:00 – 10:20	Seyed Mojtaba Alavi (<i>CNRS, France</i>) Modulation of Noradrenaline on Neuronal Basis of Attention in the Frontal Eye Field (FEF).



10:20 – 10:30	Questions & Answers
10:30 – 10:45	Break
Chairs: Mariia and Mahyar	
10:45 – 11:05	Sameer Manickam (<i>CNRS, France</i>) Anaesthesia affects the functional organization of fronto-parietal network in macaque brain.
11:05 – 11:15	Questions & Answers
11:15 – 11:35	Emile Caytan (<i>F.O.R.T.H., Crete</i>) Neuronal activity in prefrontal cortex and visual area V4 predict attentional behavior.
11:35 – 11:45	Questions & Answers
12:15 – 13:30	Lunch
Chairs: Salvatore and Ivania	
13:30 – 13:50	Leyla Elyaszad (<i>Sapienza University of Rome, Italy</i>) Criticality in the macaque brain.
13:50 – 14:00	Questions & Answers
14:00 – 14:20	Mariia Kadochnikova (<i>German Primate Center (DPZ), Germany</i>) Decoding instructed and choice spatial selectivity in parietal area LIP before and after dorsal pulvinar inactivation
14:20 – 14:30	Questions & Answers
14:30 – 15:20	Laura Dugue (<i>Universite Paris Cite, France</i>) Oscillatory Traveling Waves and Cognition.
15 :20 – 15 :30	Questions & Answers
15:30 – 15:45	Break
15:45 – 16:15	Debate over Wine : What does the future of neuroscience research look like?
EVENING	
19:30 – 22:00	Dinner @ Valley Junction <i>The Old Station, Jesmond Three Sixty, Jesmond Newcastle upon Tyne NE2 1DB United Kingdom</i>
Day 4 – Friday 12/04:	
MORNING session Technologies	
Chairs: Ivania and Mariia	
09:00 – 09:50	Luca Berdondini (<i>IIT, Italy</i>) Active dense SiNAPS probes: from passive to active dense electrode probes for electrophysiology at high spatiotemporal resolution.
09:50 – 10:00	Questions & Answers
10:00 – 10:20	Ivânia Trêpo (<i>ATLAS Neuroengineering, Belgium</i>) Navigating the depths: flexible electrode array implantation mechanism for neural recordings in the non-human primate brainstem.



10:20 – 10:30	Questions & Answers
10:30 – 10:50	Reema Gupta (<i>Ludwig-Maximilians-Universität München, Germany</i>) Integration of open-source solutions for comprehensive data and metadata management in a multi-lab collaboration.
10:50 – 11:00	Questions & Answers
11:00 – 11:15	Break
Chairs: Reema and Laura	
11:15 – 11:35	Sareer Ahmad (<i>Labcorp, Germany</i>) Comprehensive assessment of cognitive function and motor precision in cynomolgus monkeys using an automated touch screen device (mCANTAB).
11:35 – 11:45	Questions & Answers
11:45 – 12:35	Alexander Roxin (<i>Centre de Recerca Matemàtica, Barcelona</i>) The long-term dynamics of neuronal representations in hippocampus and cortex: how memory storage leads to drift.
12:35 – 12:45	Questions & Answers
12:45 – 14:00	Lunch
AFTERNOON session	
14:30 – 16:00	PUBLIC LECTURE – Setup booths (only ESRS) Pls: Renewal Discussions
16:30 – 18:30	PUBLIC LECTURE (Boiler House)

5th DAY – Saturday 13/04: Social day or FREE/OPEN day



- Alnwick Gardens
- Alnwick Castle

USEFUL INFORMATION

Gala Dinner Restaurant
<https://www.valleyrestaurants.co.uk/valleyjunction.php>

Getting to Newcastle

- **Newcastle Central Railway station** is approximately a 20 minute walk from the conference venue and has regular direct rail services run from many UK cities.
- **Newcastle Airport** is located about seven miles north west of University campus and hosts regular flights to domestic and international airports.

Getting around town

The Newcastle Metro is our underground system which has stations in the city centre, train station, airport and will even take you out to our beautiful North East coast. Uber operates in the city and you can usually hail a taxi in the city centre or at one of the city taxi ranks. Alternatively you could try a private hire firm such as:



- NODA 0191 222 1 888
- LA taxis 0191 287 7777 or
- Blueline taxis 0191 262 6666