08:30	**Registration Opens**
09:00	**Welcome** Hamid Dehghani, *University of Birmingham*
09:15	**Plenary: Biomarkers for Blood Flow, Metabolism, and Autoregulation: Progress @ Penn** Arjun Yodh, *University of Pennsylvania*
	Session 1 - Chair: Gemma Bale
09:45	**Mapping Resting-State Functional Connectivity in 4-month-old Monolingual and Bilingual Infants with fNIRS** Borja Blanco, *Basque Centre on Cognition, Brain and Language (BCBL)*
10:00	**Visual working memory performance in pre-schoolers is linked to parental life stress and academic aspirations.** Courtney Mckay, *University of Stirling*
10:15	**Neurovascular coupling in the developing neonatal brain at rest** Mina Nourhashemi, *Institut national de la santé et de la recherche médicale (INSERM)*
10:30	**Coffee Break**
	Session 2 - Chair: Ilias Tachtsidis
11:00	**Pulsatile hemodynamic parameters as a biomarker of cerebral health during the first mobilization of stroke patients** Jonas Fischer, *Institute of Photonic Sciences (ICFO)*
11:15	**Use of a newly developed multichannel broadband NIRS system to elucidate brain oxygenation and cellular metabolism during paediatric epileptic seizures** Katerina, Vezyroglou, *University College London*
11:30	**Characterization of the hemodynamic and metabolic changes during hyperventilation therapy in severe traumatic brain injury patients** Susanna Tagliabue, *Institute of Photonic Sciences (ICFO)/ Vall d'Hebron Research Institute (VHIR)*
11:45	**Dynamic contrast-enhanced near-infrared spectroscopy using indocyanine green on moderate and severe traumatic brain injury: an observational study** Mario Forcione, *University Hospital Birmingham*
12:00	**Lunchtime poster session**

12:00	**Lunchtime Poster Session**
14:00	**Plenary: *Using fNIRS to study human social cognition*** Antonia Hamilton, University College London
	Session 3 – Chair: Clare Elwell
14:30	**Cardiovascular disease associated with global cerebral haemodynamic response during Stroop task in older adults** Sarah Mason, *University College London*
14:45	**Neural correlates of lie production and lie detection in a two-person game measured with fNIRS** Paola Pinti, *University College London*
15:00	**Habituation and novelty detection fNIRS and EEG brain responses in 5 month old infants: The Gambia and UK** Sarah Lloyd-Fox, Birckbeck, *University of London*
15:15	**Examining changes in visual working memory in early development using fNIRS and structural MRI** John Spencer, *University of East Anglia*
15:30	**Coffee Break**
	Session 4 – Chair: Hamid Dehghani
16:00	**Multivariate Pattern Analysis for fNIRS using Explainable Machine Learning Models** Mehrin Kiani, *University of Essex*
16:15	**A new broadband NIRS and DCS device to monitor cerebral blood flow and cellular metabolism simultaneously** Gemma Bale, *University College London*
16:30	**Investigating infant social brain function with next-generation fNIRS: wearable, high-density diffuse optical tomography** Elisabetta Maria Frijia, *University College London*
16:45	**Closing Remarks- Feedback and student poster prize ceremony**
17:00+	Drinks and Networking at the hotel bar

Poster Presentations

#	Title	Name	Institution
1	*Using fNIRS Hyperscanning to Study Dyadic Interactions: the Case of Reputation Management*	Roser Cañigueral	UCL
2	*Convolutional Neural Networks learn functional hemodynamic signatures that enable the detection of temporal lateralised features during non-stationary grasping*	Pablo Ortega	Imperial
3	*Standardising an infant fNIRS analysis pipeline to investigate neurodevelopment in global health*	Chiara Bulgarelli	UCL
4	*Wearable High-Density Diffuse Optical Tomography for Unrestricted 3D Functional Neuroimaging*	Ernesto Elias Vidal Rosas	UCL
5	*Study of distance functions and space geometry for topological analysis of connectivity in fNIRS*	Felipe Orihuela-Espina,	INOEP
6	*Functional NIRS of Human Laughter: A Window into Non-verbal Social Behavior*	Addison Billing	UCL
7	*The ANIMATE system: a scalable, wearable, and flexible high-density diffuse optical tomography technology designed specifically for the neonate*	Hubin Zhao	UCL
8	*Correlation between frontal lobe oxygenation and temperament traits during phasic alertness state. An fNIRS study*	Dariusz Zapała	Lublin
9	*Performance comparison of two algorithms for retrieving optical properties from spatio-temporal NIRS information*	Lin Yang	PTB
10	*Developing a Database of Individual Neonatal Structural Priors for Use in Localising Activation with Diffuse Optical Tomography*	Liam Collins-Jones	UCL
11	*Psychomotor development assessment and non invasive optical monitoring in children with "benign" enlargement of subarachnoid spaces*	Federica Maruccia	VHIR
12	*Validation of portable fNIRS device intended for monitoring the state of attention*	Pawel Augustynowicz	Lublin
13	*Diffuse optical signals characterization in the injured brain*	Susanna Tagliabue	ICFO/VHIR
14	*Derivation of an intracranial pressure index by an analysis of the pulsatile cerebral blood flow measured by diffuse correlation spectroscopy*	Jonas B. Fischer	ICFO
15	*Digging deeper into the cerebrovascular changes induced by a mild-orthostatic challenge*	Jonas B. Fischer	ICFO
16	*The development of a broadband multi-distance approach to measure brain tissue oxygen saturation with NIRS*	Zuzana Kovacsova	UCL
17	*Near infrared hyperspectral imaging of the hemodynamic and metabolic states of the exposed cortex: in vivo investigation on small animal models*	Luca Giannoni	UCL
18	*A Monte Carlo hyperspectral imaging framework simulating hemodynamic and metabolic monitoring of the exposed cortex*	Luca Giannoni	UCL

19	*A phantom recipe to validate the measurement of both oxygenation and oxidative state of the cytochrome-c-oxidase with NIRS systems*	Frederic Lange	UCL
20	*Intraoperative functional brain mapping based on RGB imaging*	Charly Caredda	Creatis-Lyon
21	*Broadband near-infrared spectroscopy to detect oxygenation concentration using unsupervised machine learning*	Susana Zhou	UCL
22	*Current status and issues regarding pre-processing of fNIRS neuroimaging data: An investigation of diverse signal filtering methods within a General Linear Model framework*	Paola Pinti	UCL
23	*Tissue Oxygen Saturation (StO2) measurement in Continuous Wave NIRS: quantification and sensitivity*	Paul Letendre	CEA-LETI
24	*Coupling Optics and Fluid Dynamics: Dynamic Interferometry from Blood Flow*	Kevin van As	TU Delft
25	*Spectrally constrained approach of spatially resolved spectroscopy: towards a better estimate of tissue oxygenation*	Joshua Deepak Veesa	UoB
26	*Are These Lips Speaking? Activity of the TVSA at 5 Months of Age.*	Aleksandra Dopierała	Warsaw
27	*The Role of Timing and Similarity for the Social Consequences of Mimicry*	Alexandra Georgescu	KCL
28	*Spectral parameter recovery of cerebral and extra-cerebral tissues using broadband near-infrared spectroscopy*	Joshua Deepak Veesa	UoB
29	*A method to perform optical brain reconstruction in complex clinical environments: a prospective study on healthy volunteers*	Mario Forcione	UHB
30	*Graph-based numerical method for diffuse optical tomography*	Wenqi Lu	UoB
31	*Measuring changes in brain oxygenation and metabolism with broadband NIRS in infants with hypoxic-ischaemic encephalopathy during functional activation*	Georgina Leadley	UCL
32	*Quantification of path-length-resolved dynamical properties of layered turbid media by time-domain diffuse correlation spectroscopy technique*	Saeed Samaei	IBIB
33	*Multi-wavelength time-resolved NIRS for estimation of changes in oxy-, deoxyhaemoglobin and cytochrome-c-oxidase*	Aleh Sudakou	IBIB
34	*Assessing Localisation of Cerebral Haemodynamic and Metabolic Response Using Multichannel Broadband NIRS*	Jed Willcox	UCL
35	*Coordination in mother-child conversation: A dual-fNIRS study*	Trinh Nguyen	Vienna
36	*An fNIRS-based approach to understanding the role of sleep in the development of visual working memory*	Samuel Forbes	UEA
37	*Reduction of ambient light artefacts in broadband NIRS*	Rebecca Nagle, Alyssa Foong Quinney	UCL