

fNIRS Conference Oct 2012

		Session	Speaker	Location
Fri 26th Oct	2:00pm	REGISTRATION OPENS		North Cloisters
	5:15pm	Welcome and Introduction of Sponsors	Clare Elwell	Cruciform Lecture Theatre
	5:30pm	KEYNOTE: "Trends in Functional Near Infrared Spectroscopy"	David Boas	Cruciform Lecture Theatre
	6:30pm	WELCOME RECEPTION Sponsored by Hitachi Medical Corporation and Rogue Research Inc.		North Cloisters
Sat 27th Oct		HARDWARE DEVELOPMENTS <i>Chair: Heidrun Wabnitz</i>		Cruciform Lecture Theatre
	8:00 - 8:30am	Invited Talk: "Ischemic stroke & hybrid diffuse optics combining diffuse correlation spectroscopy (DCS) and diffuse optical spectroscopy (DOS-NIRS)"	Turgut Durduran	
	8:30-8:45	Time resolved functional near infrared spectroscopy by means of time gated system at small interfiber distance	Davide Contini	
	8:45-9:00	Imaging multiple functional networks with diffuse optical tomography	Adam T. Eggebrecht	
		MULTI-MODAL MONITORING <i>Chair: Maria Angela Franceschini</i>		Cruciform Lecture Theatre
	9:00 - 9:30am	False Positives in fNIRS: Identifying and Quantifying Systemic Influences on Neurovascular Coupling in fNIRS Data during Cognitive Tasks.	Ilias Tachtsidis	
	9:30 - 9:45am	Neurovascular Coupling Varies with Level of Global Cerebral Ischemia in a Rat Model	Wesley B Baker	

	Impact of Extracranial Vessels on Task-Evoked Artefacts in Functional Near Infrared Spectroscopy for Multiple Tasks	Evgeniya Kirilina	
10:00 - 10:45am	COFFEE Sponsored by Spectratech Inc.		North Cloisters
	DATA ANALYSIS <i>Chair: Joseph Culver</i>		
10:45 - 11:15am	Methodological challenges in the application of fNIRS for infant cognitive neuroscience	Emmanuel Dupoux	Cruciform Lecture Theatre
11:15 - 11:30am	Low frequency oscillations measured in the periphery with near infrared spectroscopy (NIRS) are strongly correlated with blood oxygen level-dependent functional magnetic resonance imaging (BOLD fMRI) signals	Yunjie Tong	
11:30 - 11:45pm	Integrated Data Analysis Environment for fNIRS	Takusige Katura	
11:45 - 12:00pm	Is it possible to extract cortical depth information from traditionally 2D optical imaging spectroscopy using concurrent fMRI data?	A.J.Kennerley	
12:00 - 12:15pm	Non-contact photogrammetric spatial registration system for fNIRS featuring color-coded markers	Daisuke Tsuzuki	
12:15 - 12:30pm	Functional Connectivity of the PFC via Partial Correlation Analysis	Z. Einalou	
12:30 - 12:45pm	Hierarchical Bayesian estimation with ARD prior improves depth accuracy and spatial resolution of diffuse optical tomography	Takeaki Shimokawa	
12:45 - 1:45pm	LUNCH Sponsored by TechEn, Shimadzu and ISS		North Cloisters
	NEURODEVELOPMENT (I) <i>Chair: Richard Aslin</i>		Cruciform Lecture Theatre

1:45 - 2:15pm	A cognitive neuroscience approach to the early identification of autism	Charles Nelson	
2:15 - 2:30pm	Evoked changes in oxygen consumption in premature neonates	Nadege Roche-Labarbe	
2:30 - 2:45pm	Building from Basics: fNIRS recordings from 6-month olds investigate sensory cortex selectivity and response suppression	Lauren L. Emberson	
2:45 - 3:00pm	The specificity of the neural response to language at birth	Lillian May	
3:00 - 5:00pm	POSTER VIEWING OF EVEN NUMBERED POSTERS TEA Sponsored by Loptek		North Cloisters and Old Refectory
	NEURODEVELOPMENT (II) <i>Chair: Gergely Csibra</i>		Cruciform Lecture Theatre
5:00 - 5:30pm	NIRS imaging of spatiotemporal activity in the developing brain	Gentaro Taga	
5:30 - 5:45pm	Cortical Mapping of 3D Optical Topography in infants	Maria D Papademetriou	
5:45 - 6:00pm	Interaction between brain maturation and experience: hemodynamic responses to speech categories in full term and preterm neonates	Minagawa-Kawai	
6:00 - 6:15pm	Developmental Changes in Frontal-Parietal Activation Associated with Visual Working Memory Capacity	John Spencer	
6:15 - 6:45pm	KEYNOTE LECTURE: Brain connectivity inference for fMRI data <i>Chair: Jeremy Hebden</i>	Will Penny	Cruciform Lecture Theatre
7:00 - 11:30pm	SOCIAL EVENT: AN EVENING IN A GREAT BRITISH PUB		Jeremy Bentham Pub University Street

Sun 28th Oct

	CLOCKS GO BACK ONE HOUR ON SUNDAY MORNING	
	APPLICATIONS: ADULT (I)	Cruciform Lecture Theatre
	<i>Chair: Daniel Leff</i>	
8:00 - 8:30am	Application of functional near infrared spectroscopy in Psychiatry	Andreas Fallgatter
8:30 - 8:45am	Physiological Correlates of Perceptual Learning	Uma Shahani
8:45 - 9:00am	Neural correlates of spontaneous deception	Kang Lee
9:00 - 9:15am	Frontal activation scales with working memory load: a near-infrared spectroscopy study	Frank A. Fishburn
9:15 - 9:30am	The effect of inner speech on arterial pCO ₂ , cerebral hemodynamics and oxygenation	M. Wolf
9:30 - 11:30am	POSTER VIEWING OF ODD NUMBERED POSTERS COFFEE Sponsored by NIRx	North Cloisters and Old Refectory
	APPLICATIONS : ADULT (II)	Cruciform Lecture Theatre
	<i>Chair: Hellmuth Obrig</i>	
11:30 - 12:00pm	Adult Clinical Applications of Near Infrared Spectroscopy	Martin Smith
12:00 - 12:15pm	Assessments of memory impairments associated with posttraumatic stress disorder (PTSD) by near infrared spectroscopy	Fenghua Tian
12:15 - 12:30pm	Simultaneous EEG and fNIRS assessment of language processing: A tool to investigate changes in aphasia during (sub)acute stroke?	Sonja Rossi
12:30 - 12:45pm	Characterising the response of cytochrome c oxidase to changes in cerebral oxygen supply and demand in the healthy adult brain	Christina Kolyva

12:45 - 1:00pm	Investigating the origin of hemodynamic fluctuations using high-resolution diffuse optical tomography in humans	Christina Habermehl	
1:00 - 2:00pm	LUNCH Sponsored by TechEn, Shimadzu and ISS		
2:00 - 2:30pm	KEYNOTE LECTURE: Interpreting NIRS data: the modelling challenge <i>Chair: Clare Elwell</i>	Murad Banaji	Cruciform Lecture Theatre
	APPLICATIONS: NEONATAL AND PAEDIATRIC <i>Chair: Martin Wolf</i>		Cruciform Lecture Theatre
2:30 - 3:00pm	Clinical application of Near infrared Spectroscopy in the Neonate	Frank Van Bel	
3:00 - 3:15pm	A Study of Preschool Irritability: NIRS Brain Imaging of correlates of clinical irritability	Susan B. Perlman	
3:15 - 3:30pm	Development of a Multimodal Functional Brain Imaging Laboratory for Newborn Infants	T Austin	
3:30 - 3:45pm	Round Up and Close	Clare Elwell	