fUSbrain 2022

Functional ultrasound imaging of the brain
May 29 - June 4, Institut d'Etudes Scientifiques de Cargèse, Corsica, France
PROGRAM AT A GLANCE

Monday 30/5	Tuesday 31/5	Wednesday 1/6	Thursday 2/6	Friday 3/6
08:45-09:15 Check-in	*08:45-09:00 Poster setup*	*08:45-09:00 Poster setup*	*08:45-09:00 Poster setup*	*08:45-09:00 Poster setup*
09:15-09:45 Welcome speech	*09:00-10:00* **T. Deffieux**, Physics for Medicine (FR)	*09:00-10:00* **M.Shapiro,** California Institute of Technology (US)	*09:00-10:00* **A. Jasanoff**, Massachusetts Inst. of Technology (US)	*09:00-10:00* **Z. Liang**, Chinese Academy of Science (CN)
09:45-10:45 **M. Tanter**, Physics for Medicine (FR)	*10:00-10:15 Coffee/tea*	*10:00-10:15 Coffee/tea*	*10:00-10:15 Coffee/tea*	*10:00-10:15 Coffee/tea*
10:45-11:00 Coffee/tea	*10:15-11:00* Poster session	*10:15-11:00* Poster session	*10:15-11:00* Poster session	*10:15-11:00* Poster session
11:00-12:00 **P. Kruizinga**, Erasmus Medical Center (NL)	*11:00-12:00* **B. Osmanski**, Iconeus (FR)	*11:00-12:00* **M. Carandini**, University College of London (UK)	*11:00-12:00* **Y. Boubenec**, Ecole Normale Supérieure (FR)	*11:00-12:00* **E. Hamel**, Mc Gill University (CA)
12:00-14:00 Lunch	*12:00-14:00 Lunch*	*12:00-14:00 Lunch*	*12:00-14:00 Lunch*	*12:00-14:00 Lunch*
14:00-16:15 Free time for discussions	*14:00-16:15* Free time for discussions	*14:00-16:15* Free time for discussions	*14:00-16:15* Free time for discussions	*14:00-16:15* Free time for discussions
16:15-16:30 Coffee/tea	*16:15-16:30 Coffee/tea*	*16:15-16:30 Coffee/tea*	*16:15-16:30 Coffee/tea*	*16:15-16:30 Coffee/tea*
16:30-17:30 **F. Lebrin**, Leiden University Medical Center (NL)	*16:30-17:30* **T. Hensch**, Boston Children's Hospital (US)	*14:00-16:15* Free time for discussions	*16:30-17:30* **F. Perren**, University of Fribourg (CH)	*16:30-17:30* **D. Vivien**, Blood and Brain Institute (FR)
17:30-18:30 **M. Flesch & D. Savery**, Vermon (FR)	*17:30-18:30* **P. Pouget**, Paris Brain Institute (FR)		*17:30-18:30* **R. Andersen**, California Institute of Technology (US)	*17:30-18:30* **V. Christopoulos**, Univ. of California Riverside (US)
18:30 Welcome drink			*19:30 Barbecue*	

Sponsored by Iconeus, Boehringer Ingelheim, Université de Corse Pasquale Paoli, Institut d'Etudes Scientifiques de Cargèse, cnrs, Université Côte d'Azur

Organized by Physics for Medicine Paris

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KEYNOTE LECTURES

ANDERSEN Richard (California Institute of Technology, US) - *Thursday 17:30-18:30*
Functional ultrasound for brain-machine interfaces

BOUBENEC Yves (Ecole Normale Supérieure, FR) - *Thursday 11:00-12:00*
Latest ultrasonic news from the world of auditory processing

CARANDINI Matteo (University College of London, UK) - *Wednesday 11:00-12:00*
Neural correlated of blood flow measured by ultrasound

CHRISTOPOULOS Vasileos (University of California Riverside, US) - *Friday 17:30-18:30*
Functional ultrasound imaging (fUS)-guided neuromodulation

DEFFIEUX Thomas (Physics for Medicine Paris, FR) - *Tuesday 09:00-10:00*
Basic principles of functional ultrasound neuroimaging

FLESCH Martin & SAVERY David (Vermon, FR) - *Monday 17:30-18:30*
Vermon, supplier of ultrasound transducers

HAMEL Edith (McGill University, CA) - *Friday 11:00-12:00*
Neurovascular coupling and functional connectivity in Alzheimer's disease mice: effects of pharmacology

HENSCH Takao (Boston Children's Hospital, Harvard Medical School, US) - *Tuesday 16:30-17:30*
Mapping brain states in mouse models of neurodevelopmental disorders

KRUIZINGA Pieter (Erasmus Medical Center, NL) - *Monday 11:00-12:00*
The humain brain exposed: functional ultrasound imaging in the context of neurosurgery

JASANOFF Alan (Massachusetts Institute of Technology, US) - *Thursday 9:00-10:00*
Vasoactive molecular probes for functional imaging of brain circuitry and neurochemistry

LEBRIN Franck (Leiden University Medical Center, NL) - *Monday 16:30-17:30*
Ultrasound imaging to investigate inherited cerebrovascular disease mechanisms

LIANG Zhifeng (Chinese Academy of Science, CN) - *Friday 9:00-10:00*
Functional MRI in awake and behaving mice

OSMANSKI Bruno (Iconeus, FR) - *Tuesday 11:00-12:00*
Iconeus One: Plug & Scan functional ultrasound-based 4D imaging solution

PERREN Fabienne (University of Fribourg, CH) - *Thursday 16:30-17:30*
ULM of cerebral vasculature: today's and tomorrow's clinical applications

POUGET Pierre (Paris Brain Institute, FR) - *Tuesday 17:30-18:30*
Neuro-vascular coupling and decoupling in awake behaving primates

SHAPIRO Mikhail (California Institute of Technology, US) - *Wednesday 9:00-10:00*
Biomolecular ultrasound

TANTER Mickael (Physics for Medicine Paris, FR) - *Monday 09:15-10:15*
Ultrafast ultrasound and applications in neuroscience

VIVIEN Denis (Blood and Brain Institute, FR) - *Friday 16:30-17:30*
New opportunities to improve Stroke diagnosis and treatments

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