

GDR 2904 Multielectrodes

5th Annual Meeting

October 14-15, 2014
Imagif, CNRS Gif sur Yvette
gdr2904gif.scienceconf.org

Keynote Speakers

Alain de Cheveigné
Sonja Grün
Fabian Kloosterman
Jean-Philippe Lachaux
Stefano Panzeri
Alexa Riehle
Anton Sirota
Michael Zugaro

Organization committee: Jean-Marc Edeline, Valérie Ego-Stengel, Isabelle Férezou, Luc Foubert, Boris Gourévitch, Chloé Huetz, Pauline Kerekes, Claire Martin, Daniel Shultz
Administration: Justine Dionisi & Aline Ginois



Tuesday, October 14, 2014

09:00 – 9:25	Registration	
	Session 1 - Methodology	Chair: Clément Léna
09:25 – 09:30	Welcome: Valérie Ego-Stengel (UNIC, Gif sur Yvette)	
09:30 – 10:20	Guest speaker: Fabian Kloosterman (Nerf, Belgium) <i>Neural population decoding of hippocampal memory replay</i>	
10:20 – 10:45	Invited speaker: Alain de Cheveigné (ENS Paris) <i>Navigating, cleaning, and analyzing multichannel data</i>	
10:45 – 11:05	Coffee break - POSTERS and EXHIBITS	
11:05 – 12:05	Fanny Lebreton (CBMN, Bordeaux) <i>Isletchip for Pancreatic Endocrine Cells: From Bench to Bedside</i> Bartosz Telenczuk (UNIC, Gif sur Yvette) <i>On local origins of local-field potentials</i> Marcel Carrère (INS, Marseille) <i>Probing resting-state activity with TMS to evaluate under networks properties and virtual brain comparison</i>	
12:05 – 12:30	Blitz session by students willing to present briefly their posters	
12:30 – 14:00	Lunch (CNRS cafeteria, salle Automne) - POSTERS and EXHIBITS	
	Session 2 - Neuronal code	Chair: Thomas Boraud
14:00 – 14:50	Guest speaker: Stefano Panzeri (IIT, Italy) <i>Using non-negative matrix factorization for the analysis of large scale population spike trains</i>	
14:50 – 15:15	Invited speaker: Michael Zugaro (Collège de France, Paris) <i>Reversed theta sequences of hippocampal cell assemblies during backward travel</i>	
15:15 – 16:45	Coffee break - POSTERS and EXHIBITS	
16:45 – 18:05	Luc Estebanez (MDC, Berlin) <i>Modulation of tactile sensory responses during a sensory-triggered decision task in mouse forepaw primary motor cortex</i> David Robbe (INMED, Marseille) <i>The dorsolateral striatum constrains the execution of motor habits through continuous integration of contextual and kinematic information</i> Julien Bastin (INSERM, Grenoble) <i>Executive control by human subthalamic nucleus</i> Julien Fournier (Max Planck, Frankfurt) <i>Hidden Spatial Selectivity of Receptive Fields in Turtle Visual Cortex</i>	
18:05 – 18:30	Exhibitors presentations	
18:30 – 19:30	General assembly of the GDR2904 Director: Pierre Meyrand, Vice-Director: Daniel Shulz, Director (2015): Clément Léna	

DINNER at LA FERME DU BOUT DES PRES, Cernay la Ville, sponsored by TDT and Neuralynx
(meeting at 19h30 in front of the IMAGIF building to get on the shuttle bus)

Session 3 - Network dynamics

Chair: Frédéric Chavane

09:00 – 9:50	Guest speaker: Sonja Grün (Jülich, Germany) <i>Title to be announced</i>
09:50 – 10:15	Invited speaker: Jean-Philippe Lachaux (CRNL, Lyon) <i>ECOG signature of large-scale functional connectivity in the brain</i>
10:15 – 11:00	Coffee break - POSTERS and EXHIBITS
11:00 – 12:00	Maria Spolidoro (ENS, Paris) <i>The cerebellum, an actor of sensorimotor integration in the control of voluntary movement</i> Srdjan Ostojic (ENS, Paris) <i>Two types of asynchronous activity in networks of excitatory and inhibitory neurons</i> Brice Bathellier (UNIC, Gif sur Yvette) <i>Neuronal population correlate of asymmetric auditory perception in mice</i>
12:00 – 12:05	François Cabestaing <i>Toward the emergence of a French R&D network on Brain-Computer Interfaces</i>
12:05 – 13:30	Lunch (CNRS cafeteria, salle Automne) - POSTERS and EXHIBITS

Session 4 - Cortical networks

Chair: Karim Benchenane

13:30 – 14:20	Guest speaker: Anton Sirota (Munich, Germany) <i>Dissection of oscillatory dynamics in entorhino-hippocampal circuits or how to know that we know nothing</i>
14:20 – 14:45	Invited speaker: Alexa Riehle (INT, Marseille) <i>Variability statistics of spiking activity in motor cortical neurons during wait and movement</i>
14:45 – 15:15	Coffee break - POSTERS and EXHIBITS
15:15 – 16:15	Lucille Tallot (CNPS, Orsay) <i>Temporal expectancy in fear conditioning: an analysis of local field potential in the amygdalo-prefronto-striatal network early in training</i> Bjorg Kilavik (INT, Marseille) <i>The ups and downs of beta oscillations in monkey motor cortex</i> Azeez Adebimpe (GRAMFC, Amiens) <i>Brain networks and functional connectivity in benign childhood epilepsy</i>
16:30	Concluding Remarks

END OF THE MEETING

EXHIBITORS LIST



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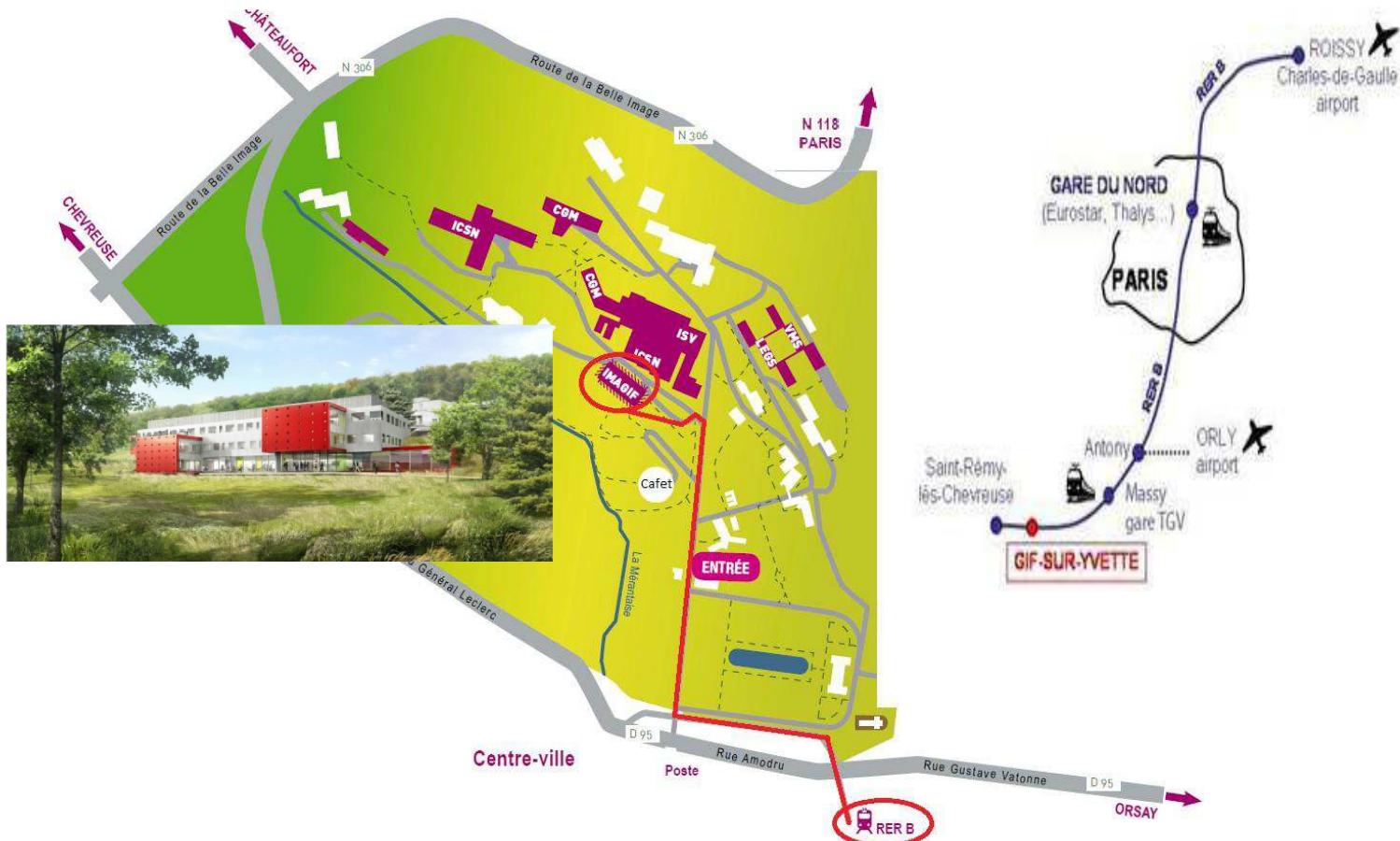


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The GDR2904 committee greatly thanks the exhibitors companies for their support to this event.

CONFERENCE ACCESS MAPS and DIRECTIONS



BY TRAIN: from Paris, get on the RER-B to Gif sur Yvette (direction: St Remy-lès-Chevreuse, 1 train every 15min) (Expect about 1h15 from « Chatelet les Halles » to reach the conference place, including 15 mn walking from the RER station)

CONFERENCE PLACE: IMAGIF (Bat 21, red building), CNRS campus de Gif sur Yvette,

1 Avenue de la Terasse, 91190 Gif sur Yvette.