



## XXII<sup>th</sup> Annual Symposium of the French Club of Glial Cells

### Frontiers in Glia Research: let's meet in Carry le Rouet !

**March 20<sup>th</sup> - 22<sup>th</sup>, 2014**

**Carry le Rouet, France**

#### **PROGRAMME**

##### **Thursday, March 20th**

13:30-15:00 Registration and Welcome remarks

15:00-16:00 **Opening Lecture (chair: Alain Bessis)**

**Pierre Gressens** (Paris): Roles and mechanisms of microglial activation in perinatal brain damage

##### **Session I: Imaging and optogenetic (chair: Anne Karine Bouzier-Sore)**

16:00-16:30 **S.Kasparov** (Bristol): Using optogenetics to study glia-neuronal signalling in the locus coeruleus

16:30-17:00 **C.Wyart** (Paris): Using optical methods to dissection the dynamics of spinal circuits underlying behaviour

17:00-17:15 Coffee break

17:15-17:45 **T.Tourdias** (Bordeaux): Pathophysiology of edema and cellular invasion in brain inflammation : an MRI-based approach

17:45-18:15 **F.Debardieux** (Marseille): Dynamic intravital imaging of neuroinflammation in glioblastoma brain tumors

18:15-19:30 Posters session with aperitif

20:00 Dinner

##### **Friday, March 21st**

8:30-9:30 **Key Note Lecture (chair: Pascale Durbec)**

**Sandrine Etienne-Manneville** (Paris): Astrocyte migration vs. glioma invasion: Can cell polarity make all the difference ?

##### **Session II: Forgotten Glia (chair: Jean-Pierre Mothet)**

9:30-10:00 **JL.Nahon** (Valbonne): To beat or not to beat: a novel role for MCH in brain volume transmission

10:00-10:30	<b>B.Malgrange</b> (Liège): Molecular mechanisms in cochlear regeneration: lessons from development
10:30-10:45	Coffee break
10:45-11:15	<b>V.Pingault</b> (Paris): Olfactory ensheathing cells, SOX10 and Kallmann syndrome
11:15-11:45	<b>P.Mollard</b> (Montpellier): Origin and multitask function of pituitary pericytes
12:00-13:15	Lunch
13:15-16:30	Visit of the MUCEM

### Session III: Migration (chair: Annik Baron-Van Evercooren)

16:30-17:00	<b>M.Cayre</b> (Marseille): Departing the niche: mechanisms controlling SVZ cell emigration following demyelination insult
17:00-17:30	<b>K.Egervari</b> (Genève): Intracellular trafficking, matrix association and function of VEGF in astroglial cells
17:30-18:00	<b>F.Biname</b> (Mainz): NG2 regulates directional migration of oligodendrocyte precursor cells via Rho GTPases and polarity complex proteins
18:00-18:30	<b>V.Zujovic</b> (Paris): CNS remyelination by peripheral cells: origin and mechanisms
18:30-20:00	Posters session with aperitif
20:00	Gala Dinner

### Saturday, March 22th

8:30-9:30	<b>Closing Lecture (chair: Thierry Amédée)</b> <b>Vincent Prévot</b> (Lille): Tancytes as gatekeepers of the Metabolic Brain
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### Session IV: Chemical and electrical communication (chair: Brahim Nait Oumesmar)

9:30-10:00	<b>MC.Angulo</b> (Paris): GABAergic synaptic connectivity of oligodendrocyte precursor cells (NG2 cells) in the developing somatosensory cortex
10:00-10:30	<b>Dongdong Li</b> (Paris): Optical probing of the cellular mechanism of astrocyte glutamate release
10:30-10:45	Coffee break
10:45-11:15	<b>S.Pluchino</b> (Cambridge): How grafted stem cells speak with the host immune system
11:15-11:45	<b>A.Koulakoff</b> (Paris): Astroglial connexins in Alzheimer's disease
11:45-12:00	<b>General Assembly</b> of the "Club des Cellules Gliales"
12:15	Farewell Lunch

End of the Symposium