10th meeting: Cilia, Flagella and Centrosomes, October 10-12, 2017
Hôtel Le Saint-Paul, Nice

SCIENTIFIC PROGRAM

Tuesday, 10th October 2017

13:00  Conference Registration

14:00  Welcome from the Organizing committee and GDR

Session I: Intraflagellar transport and Cilia
Tuesday, 10th October 2017

Chair:  Philippe Bastin, Equipe Biologie cellulaire des Trypanosomes, Institut Pasteur

14:15  ODA8, a new putative PCD protein in human is required for long-range transport of outer dynein arms in T. brucei
Serge Bonnefoy - Institut Pasteur, Paris

14:45  The role of IFT concentration at the base of the flagellum
Jamin Jung - Institut Pasteur, Paris

15:15  During centriole to basal body conversion in Drosophila, Cby, Fam92 and Dzip1 form a ternary complex required to build the ciliary transition zone
Jean-Andre Lapart - Institut Neuromyogène, Université Claude Bernard Lyon 1

15:45  Down-regulation of different transition zone proteins in Paramecium induces antagonistic effects on cilia stability
Delphine Gogendeau - Institut de Biologie Intégrative de la Cellule, Université Paris Sud, Gif sur Yvette

16:15  Coffee break

16:45  Endosome maturation factors Rabenosyn-5/VPS45 and Caveolin-1 regulate ciliary membrane and Polycystin-2 homeostasis
Noemie Scheidel - University College Dublin, Conway Institute

17:15  Keynote lecture: Cilia assembly and transport
GAIA PIGINO
Max Planck Institute of Cell Biology and Genetics, Dresden, Germany

19:30  Dinner, Hotel Le Saint Paul
### Session II: Centrosomes, centrioles and basal bodies

**Wednesday, 11th October 2017**

**Chair:** Bénédicte Durand, *Equipe Assemblage des cils et développement, Université Claude Bernard Lyon-1*

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
<th>Institution</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Deciphering molecular control of deuterosome mediated centriole mass production</td>
<td>Camille Boutin</td>
<td><em>Institut de Biologie du Développement de Marseille</em></td>
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<td>09:30</td>
<td>An apical actin network induced by the beating of motile ependymal cilia protects centrioles against the shear stress exerted by the cilia</td>
<td>Nathalie Delgehyr</td>
<td><em>Institut de Biologie de l’Ecole Normale Supérieure, Paris</em></td>
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<td>10:00</td>
<td>Odf2 and Vfl1 regulate ciliary beat orientation in multiciliated cells through distinct mechanisms</td>
<td>Cyril Basquin</td>
<td><em>Institut Jacques Monod, Paris</em></td>
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<td>10:30</td>
<td>Coffee break</td>
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<td>11:00</td>
<td>Regulation of ciliogenesis and cell death by CYLD and centriolar satellites</td>
<td>Nicolas Bidere</td>
<td><em>Centre de Recherche en cancérologie et Immunologie Nantes-Angers</em></td>
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<td>11:30</td>
<td><strong>Keynote lecture:</strong> Linking primary ciliogenesis and DNA damage responses</td>
<td>CIARAN MORRISON</td>
<td><em>Centre for Chromosome Biology, NUI Galway, Ireland</em></td>
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<td>12:30</td>
<td>Cocktail Lunch, Le Saint Paul, Nice</td>
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<td>13:30</td>
<td>Poster session</td>
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<td>15:00</td>
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Session III: Cilia and signaling
Wednesday, 11th October 2017

**Chair:** Sylvie Schneider-Maunoury, *Equipe Régionalisation du Cerveau des Vertébrés, CNRS/Inserm/UPMC*

15:00 **Alstrom syndrome: From a ciliopathy to treating type 2 diabetes**
Vincent Marion - *Groupe Ciliopathie modeling and associated therapy, Institut de génétique médicale d’Alsace*

15:30 **BBS proteins regulate cilia disassembly during tissue maturation**
Helen May-Simera - *Institut für Zoologie, Johannes Gutenberg University, Mainz*

16:00 **Tracking cell trajectories by single-cell transcriptome analysis during normal and pathological regeneration of the airway epithelium**
Sandra Ruiz Garcia - *Institut de Pharmacologie Moléculaire et Cellulaire, Université Côte d’Azur, Sophia-Antipolis*

16:30 **Functional study of novel human PCD candidate genes in Paramecium**
Pierrick Le Borgne - *Institut de Biologie Intégrative de la Cellule, Université Paris Sud, Gif sur Yvette*

17:00 **Coffee break**

17:30 **ESCRT proteins are essential for the function of the Zebrafish Left/Right organizer**
Thomas Juan - *Institut de Biologie de Valrose, Université Côte d’Azur, Nice*

18:00 **Keynote lecture: Extracellular Matrix independent roles of focal adhesion proteins**
**PARIS SKOURIDES**
*Dept. of Biological Sciences, University of Cyprus, Nicosia, Cyprus*

20:00 **Conference Dinner, Restaurant « Di Piu », 85 Quai des États-Unis, Nice**
Thursday 12th October 2017

Session IV: Cilia in development and disease
Thursday, 12th October 2017

Chair: Vincent Marion, Groupe Ciliopathie modeling and associated therapy, Institut de génétique médicale d’Alsace

08:30  
Yif1B, an extra-ciliary trafficking protein, cause primary cilium abnormalities and cerebral alterations  
Justine Masson - Université Paris Descartes

09:00  
Deciphering the origins of cilia orientation during left-right determination in the zebrafish organizer  
Rita Rua Ferreira - Institut de Génétique et de Biologie Moléculaire et Cellulaire, Université de Strasbourg

09:30  
Functional Characterization of a Potential New Ciliary Kinesin Identified in a Syndromic Ciliopathy  
Louise Reilly - Institut Imagine, Paris

10:00  
Role of cardiac primary cilia in mouse heart morphogenesis  
Sigolène Meilhac - Institut Imagine, Paris

10:30  
Coffee break

11:00  
New insight in Bardet-Biedl Syndrome  
Elise Schaefer - Laboratoire de Génétique Médicale, Université de Strasbourg

11:30  
Keynote lecture: Dissecting the structure and function of the centriolar satellites as key regulators of the centrosome/cilium complex  
ELIF NUR FIRAT KARALAR  
Cytoskeleton Research Group, Koc University, Istanbul, Turkey

12:30  
Closing remarks and departure