

9<sup>th</sup> course on **Cytoskeleton**  
April 19-26, 2017

A Training Unit International Course - Open conferences in blue



| Wednesday, April 19 <sup>th</sup> |   |   |                                     |
|-----------------------------------|---|---|-------------------------------------|
| 15:30<br>16:30                    | <b>Welcome and opening remarks</b>                                |   | <b>Amphithéâtre<br/>Marie Curie</b> |
| 16:30<br>17:00                    | <b>Stéphanie Miserey-Lenkei</b><br>Institut Curie, Paris - FR     | Getting out the Golgi complex thanks to the RAB6 GTPase                 |                                     |
| 17:00<br>17:30                    | <b>Danijela Vignjevic</b><br>Institut Curie, Paris - FR           | Cell migration in gut homeostasis and cancer invasion                   |                                     |
| 17:30<br>18:00                    | <b>Guillaume Montagnac</b><br>Institut Gustave Roussy, Paris - FR | Clathrin-coated pits pinch collagen fibers to support 3D cell migration |                                     |
| 18:00<br>21:00                    | <b>Presentations by students &amp; Dinner</b>                     |   | <b>Chez Marie</b>                   |

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| Thursday, April 20 <sup>th</sup> |  |   |                     |
|----------------------------------|--|---|---------------------|
| 09:30<br>10:30                   | <b>Franck Perez</b><br>Institut Curie, Paris - FR                  | Microtubules, the Golgi complex and the control of the secretory routes   | Amphithéâtre<br>BDD |
| 10:30<br>11:30                   | <b>Miguel Concha</b><br>University of Chile, Santiago - CL         | Embryo morphogenesis driven by bio-mechanical interactions with extra-embryonic tissue<br>Part 1: Tissue spreading during epiboly |                     |
| 11:30<br>12:00                   | <b>BREAK</b>   |   | Hall BDD            |
| 12:00<br>13:00                   | <b>Jean-Léon Maître</b><br>Institut Curie, Paris - FR              | Mechanics of blastocyst morphogenesis   | Amphithéâtre<br>BDD |
| 13:00<br>14:30                   | <b>LUNCH</b>   |   | Green Café          |
| 14:30<br>15:30                   | <b>Arnaud Echard</b><br>Institut Pasteur, Paris - FR               | F-actin oxidation and cell division   | Amphithéâtre<br>BDD |
| 15:30<br>16:30                   | <b>Stephanos Vassilopoulos</b><br>Institut de Myologie, Paris - FR | 3D metal-replica EM in the 21st century   |                     |
| 16:30<br>17:00                   | <b>BREAK</b>   |   | Hall BDD            |
| 17:00<br>21:00                   | <b>Presentations by students &amp; Dinner</b>                      |   | Chez Marie          |

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| Friday, April 21 <sup>st</sup> |   |   |
|--------------------------------|---|---|
| 09:30<br>10:30                 | Film projection: "La Saga des Nobel"                          | Amphithéâtre<br>BDD   |
| 10:30<br>11:30                 | <b>Ana-Maria Lennon-Duménil</b><br>Institut Curie, Paris - FR | Dendritic cell migration: from microfluidics to <i>in vivo</i> imaging    |
| 11:30<br>12:00                 | <b>BREAK</b>  | Hall BDD  |
| 12:00<br>13:00                 | <b>Buzz Baum</b><br>MRC, London - UK                          | The eukaryotic cytoskeleton: its structure, function and evolution        |
| 13:00<br>14:30                 | <b>LUNCH</b>  | Green Café  |
| 14:30<br>15:30                 | <b>Alexandre Baffet</b><br>Institut Curie, Paris - FR         | Microtubule-dependent nuclear oscillations in embryonic neural stem cells |
| 15:30<br>16:30                 | <b>Raphaël Voituriez</b><br>UPMC, Paris - FR                  | Actin flows in cell migration: from locomotion to trajectories            |
| 16:30<br>17:00                 | <b>BREAK &amp; FREE VISIT OF THE CURIE MUSEUM</b>             | Hall BDD  |
| 17:00<br>18:00                 | <b>Yohanns Bellaïche</b><br>Institut Curie, Paris - FR        | From cytoskeleton organization to tissue morphogenesis                    |
| 20:30                          | <b>Party</b>  | Le Montebello boat<br>47 quai de la Tournelle - 75006,<br>Paris           |

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| Saturday, April 22 <sup>nd</sup>       |                         |  |                   |
|--|-------------------------|--|-------------------|
| CAREER DEVELOPMENT WORKSHOP AND BRUNCH |                         |  |                   |
| 12:00<br>15:30                         | <b>Invited speakers</b> | <p><b>Dafne Chirivino</b><br/>Project Manager, Alcimed, Lausanne, Switzerland<br/>Market Intelligence Analyst, Debiopharm International, Lausanne<br/>Senior BRC Intellectual Property Associate, Cambridge Enterprise Limited / University of Cambridge / BRC Cambridge University Hospitals NHS Foundation Trust, Cambridge, UK</p> <p><b>Marie Schumacher</b><br/>Postdoc at Novartis, Oncology Drug discovery department, Cambridge, USA<br/>Junior group leader, Institut Curie, Translational Research Department, Paris, France<br/>Project leader, Servier, Oncology Translational and Clinical Research Department, France</p> <p><b>Emmanuel Derivery</b><br/>Postdoc, University of Geneva, Switzerland<br/>Group leader, MRC/Laboratory of Molecular Biology, UK</p> | <b>Chez Marie</b> |

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| Monday, April 24 <sup>th</sup> |   |  |                             |
|--------------------------------|---|--|-----------------------------|
| 09:00<br>10:00                 | <b>Brian Stramer</b><br>Kings College, London - UK            | The cell biology of developmental movements                                  | Amphithéâtre<br>Marie Curie |
| 10:00<br>11:00                 | <b>Guillaume Salbreux</b><br>The Franics Crick Institute - UK | Tissue morphogenesis and the cytoskeleton                                    |                             |
| 11:00<br>11:30                 | <b>BREAK</b>  |  | Salle Joliot                |
| 11:30<br>12:30                 | <b>Erik Sahai</b><br>The Franics Crick Institute, London - UK | Using imaging to understand cancer metastasis and therapy failure (Part 1)   | Amphithéâtre<br>Marie Curie |
| 12:30<br>13:30                 | <b>LUNCH</b>  |  | Green Café                  |
| 13:30<br>14:30                 | <b>Erik Sahai</b><br>The Franics Crick Institute, London - UK | Using imaging to understand cancer metastasis and therapy failure (Part 2)   | Amphithéâtre<br>Marie Curie |
| 14:30<br>15:30                 | Short talks   |  |                             |
| 15:30<br>16:00                 | <b>BREAK</b>  |  | Salle Joliot                |
| 16:00<br>17:00                 | <b>Brian Stramer</b><br>Kings College, London - UK            | Contact inhibition as a migratory cue  | Amphithéâtre<br>Marie Curie |
| 17:00<br>18:00                 | <b>David Sherwood</b><br>Duke University, Durham - USA        | Cell invasion via exocytosis of a transient lysosome-derived membrane domain | Amphithéâtre<br>Marie Curie |

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| Tuesday, April 25 <sup>th</sup> |  |   |                             |
|---------------------------------|--|---|-----------------------------|
| 09:30<br>10:30                  | <b>Fernando Martin-Belmonte</b><br>CSIC, Madrid - SP             | Regulation of 3D epithelial mechanosensing using micropatterned devices (Part1)                         | Amphithéâtre<br>Marie Curie |
| 10:30<br>11:30                  | <b>Fernando Martin-Belmonte</b><br>CSIC, Madrid - SP             | Regulation of 3D epithelial mechanosensing using micropatterned devices (Part2)                         |                             |
| 11:30<br>12:00                  | <b>BREAK</b>   |   | Salle Joliot                |
| 12:00<br>13:00                  | <b>Clare Waterman</b><br>NIH - USA Focal Adhesion - seminar Burg | Integration of actin dynamics and adhesion in cell migration (Part 1)                                   | Amphithéâtre C. Burg        |
| 13:00<br>14:30                  | <b>LUNCH</b>   |   | Green Café                  |
| 14:30<br>15:30                  | <b>Clare Waterman</b><br>NIH, Bethesda - USA                     | Integration of actin dynamics and adhesion in cell migration (Part 2)                                   | Amphithéâtre<br>Marie Curie |
| 15:30<br>16:30                  | <b>Yohanns Bellaïche</b><br>Institut Curie, Paris - FR           | Cell division as a cytoskeletal multicellular process   |                             |
| 16:30<br>17:00                  | <b>BREAK</b>   |   | Salle Joliot                |
| 17:00<br>18:00                  | <b>David Sherwood</b><br>Duke University, Durham - USA           | Cell invasion <i>in vivo</i> : a key role for F-actin polymerization in breaching the basement membrane | Amphithéâtre<br>Marie Curie |
| 18:00<br>20:00                  | <b>Mentoring &amp; Dinner</b>                                    |   | Chez Marie                  |

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| Wednesday, April 26 <sup>th</sup> |   |   |                             |
|-----------------------------------|---|---|-----------------------------|
| 09:30<br>10:30                    | Short talks   |   | Amphithéâtre<br>Marie Curie |
| 10:30<br>11:30                    | <b>Manuel Thery</b><br>St Louis Hospital, Paris - FR                | Microtubule stabilization drives 3D centrosome migration to initiate primary ciliogenesis   |                             |
| 11:30<br>12:00                    | <b>BREAK</b>  |   | Salle Joliot                |
| 12:00<br>13:00                    | Short talks   |   | Amphithéâtre<br>Marie Curie |
| 13:00<br>14:30                    | <b>LUNCH</b>  |   | Green Café                  |
| 14:30<br>15:30                    | <b>Emmanuel Derivery</b><br>University of Cambridge, Cambridge - UK | Polarized endosome dynamics by spindle asymmetry during asymmetric cell division  | Amphithéâtre<br>Marie Curie |
| 15:30<br>16:30                    | <b>Miguel Concha</b><br>University of Chile, Santiago - CL          | Embryo morphogenesis driven by bio-mechanical interactions with extra-embryonic tissue<br>Part 2: Collective migration of organ progenitors |                             |
| 16:30<br>18:00                    | <b>Debriefing &amp; Certificates</b>                                |   | Chez Marie                  |