



**Denis DUBOULE**  
**Alain PROCHIANTZ**

## Development and Regeneration: same mechanisms? same concepts?

**Mercredi 15 et jeudi 16 mai 2019, amphithéâtre Guillaume Budé**

### Mercredi 15 mai 2019

- 9h Arrival Welcome
- 9h30 Opening  
Denis Duboule, *Collège de France, EPFL*
- 10h Dynamic identity of somatic stem cells  
Patrizia FERRETTI, *University College London, UK*
- 10h45 Regulation of Developmental and Regenerative Myogenesis  
Shahragim TAJBAKHSI, *Pasteur Institute, FR*
- 11h30 Pause
- 12h Redox signaling and cell plasticity  
Sophie VRIZ, *Collège de France, University Paris Diderot, FR*
- 13h Déjeuner
- 14h30 Newt regeneration: regulation and evolution  
Andras SIMON, *Karolinska Institute, SE*
- 15h15 Successful spinal cord repair in the zebrafish  
Catherina BECKER, *Edinburgh University, UK*
- 15h45 Pause
- 16h30 Perspectives on hair cell regeneration in the inner ears of vertebrates  
Andrew FORGE, *University College London, UK*
- 17h15 Plasticity of the cellular identity: a way to new neurons  
Sophie JARRIAULT, *IGBMC, FR*

### Jeudi 16 mai 2019

- 9h30 Immune-neuronal cross talk for axonal regeneration  
Simone DI GIOVANNI, *Imperial College, UK*
- 10h15 How *C. elegans* neurons sense and respond to injury  
Marc HAMMARLUND, *Yale University, US*
- 10h45 Pause
- 11h30 An evolutionary-conserved repressor of Wnt signaling controls head regeneration in Hydra  
Brigitte GALLIOT, *Geneve University, CH*
- 12h30 Déjeuner
- 14h Development and the eternal return  
Alfonso MARTINEZ-ARIAS, *University of Cambridge, UK*
- 14h45 Building the mouse and human embryo in vitro – one, two and three steps from now  
Magdalena ZERNICKA-GOETZ, *Cambridge University, UK*
- 15h30 Pause
- 16h Skeletal muscle regeneration: Not a mere recapitulation of development  
Thomas BRAUN, *Max-Planck-Gesellschaft, DE*
- 16h30 In praise of instability  
Alain PROCHIANTZ, *Collège de France, FR*