

## Tentative Program

### *Concepts and Model Organisms in Regenerative Biology*

#### **Satellite Short Course of the Fifth International Meeting of the Latin American Society for Developmental Biology**

November 2 –11, 2010.

Facultad de Ciencias Biologicas, Pontificia Universidad Católica de Chile  
and Universidad de Chile, Santiago, Chile

Organizers: Richard Harland, Ida Chow, Juan Larrain, Miguel Allende

#### **Tuesday – 11/2/10**

- 14:00 – 16:00           Arrival, Registration and Poster set up  
16:30 – 17:00           Introductory Remarks by Organizers and Dignitaries  
17:00 – 18:00           Allan Spradling, Carnegie Institution for Science, USA  
*Stem cell biology in Drosophila*  
18:00 – 21:00           Opening Reception and Poster Session I

#### **Wednesday – 11/3/10**

- 9:00 – 9:45             Jonathan Slack, Univ of Minnesota, USA  
*Tail regeneration in Xenopus tadpoles*  
9:45– 10:30            Juan Larrain, Pontificia Univ Catolica, Chile  
*Spinal cord regeneration in Xenopus*  
10:30 – 10:45           Coffee break  
10:45 – 11:30           Alvaro Glavic, Univ de Chile, Chile  
*Proliferation and apoptosis in the Drosophila wing*  
11:30 – 12:15           Eli Tanaka, Max Planck Inst, Germany  
*Toward understanding tissue and positional identity of regenerating limb blastema*  
12:15 – 13:00           Lunch  
13:00 – 16:00           Poster Session II with coffee  
16:00 – 19:00           Concurrent Practical Sessions  
*Xenopus Group A – Harland, Larrain, Slack*  
*Drosophila Group B – Spradling, Glavic*  
19:00                    Dinner in town

#### **Thursday – 11/4/10**

- 9:00 – 9:45             Richard Harland, Univ California-Berkeley, USA  
*Experimental induction of mesodermal and neural cell fates in mouse and Xenopus*  
9:45 – 10:30           Panagiotis Tsonis, Univ of Dayton, USA  
*Lens regeneration in salamander*  
10:30 – 10:45           Coffee break  
10:45 – 11:30           Ken Poss, Duke Univ, USA  
*Heart and fin regeneration in zebrafish*  
11:30 – 12:15           Miguel Allende, Univ de Chile, Chile  
*Regeneration of mechanosensory cells in zebrafish*  
12:15 – 14:00           Lunch  
14:00 – 14:45           Katia del Rio-Tsonis, Miami Univ, USA  
*Mechanism of chick retina regeneration*  
14:45 – 15:30           Siobhan Brady, Univ of California-Davis  
*A systems approach to plant development*  
15:30 – 16:00           Coffee break  
16:00 – 19:00           Concurrent Practical Sessions

19:00 *Xenopus Group A* – Harland, Larrain, Slack  
*Drosophila Group B* – Spradling, Glavic  
Dinner in town

**Friday – 11/5/10**

9:00 – 9:45 Brigitte Galliot, Univ of Geneva, Switzerland  
*Head regeneration in Hydra*

9:45 – 12:45 Concurrent Practical Sessions  
*Xenopus Group B* – Harland, Larrain, Slack  
*Drosophila Group A* – Spradling, Glavic

12:45 – 14:00 Lunch

14:00 – 14:45 Kate Whitlock, Univ de Valparaiso, Chile  
*Plasticity in olfactory placode formation in zebrafish*

14:45 – 15:30 Alejandro Sánchez-Alvarado, Univ of Utah, USA  
*Regeneration in Planaria*

15:30 – 16:00 Coffee break

16:00 – 19:00 Concurrent Practical Sessions  
*Xenopus Group B* – Harland, Larrain, Slack  
*Drosophila Group A* – Spradling, Glavic

19:00 Dinner in town

**Saturday – 11/6/10**

9:00 – 9:45 Richard Behringer, UTSW MD Anderson Cancer Ctr, USA  
*Stem cells, organogenesis and regeneration*

9:45 – 12:45 Concurrent Practical Sessions  
*Genomics A* – Brady  
*Zebrafish Group B* – Allende, Poss

12:45 – 14:00 Lunch

14:00 – 14:45 Philip Benfey, Duke Univ, USA  
*Development rooted in interwoven networks*

14:45 – 15:30 José García-Ararrás, Univ of Puerto Rico, Puerto Rico  
*Intestinal regeneration in the echinoderm *Holothuria glaberrima**

15:30 – 16:00 Coffee break

16:00 – 18:00 Roundtable discussion: *Advantages and pitfalls in regeneration research*  
Panelists: Panagiotis Tsonis, Eli Tanaka, Katia Del Rio-Tsonis, Miguel Allende

18:00 Dinner in town

**Sunday – 11/7/10**

9:00 – 14:00 Free Time

14:00 – 14:45 Enrique Brandan, Pontif Univ Catol de Chile, Chile  
*Role of growth factors in myogenesis and regeneration*

14:45 – 15:30 Verónica Palma, Univ de Chile, Chile  
*Role of Shh in mouse neural stem cells*

15:30 – 16:00 Coffee break

16:00 – 19:00 Concurrent Practical Sessions  
*Zebrafish Group A* – Allende, Poss  
*Genomics B* – Brady

19:00 Dinner in town

**Monday – 11/8/10**

9:00 – 9:45 Rodrigo Gutiérrez, Pontif Univ Catol de Chile, Chile  
*Plant system biology*

9:45 – 12:45 Concurrent Practical Sessions

*Holothuria Group B* – Garcia-Arrarás  
*Hydra Group A* - Galliot  
 12:45 – 14:00 Lunch  
 14:00 – 14:45 Wrap-up discussion: *Xenopus* – Harland, Larrain, Slack  
 14:45 – 15:15 Coffee break  
 15:15 – 16:00 Wrap-up discussion: *Genomics* - Brady  
 16:00 – 19:00 Concurrent Practical Sessions  
*Plant Group A* – Gutierrez  
*Planarian Group B* – Sánchez-Alvarado  
 19:00 Dinner in town

**Tuesday – 11/9/10**

9:00 – 9:45 Cintia Niva, EMBRAPA, Brazil  
*Regeneration in a native species of Enchytraeids (Annelida)*  
 9:45 – 12:45 Concurrent Practical Sessions  
*Mouse Group B* – Behringer, Palma, Court, Olguín  
 12:45 – 13:30 Lunch  
 13:30 – 14:15 Luis Covarrubias, Univ Nac Auton de Mexico, Mexico  
*Neural and ear regeneration in the mouse*  
 14:15 – 15:00 Wrap-up discussion: *Zebrafish* – Allende  
 15:00 – 15:15 Coffee Break  
 15:15 – 16:00 Wrap-up discussion: *Drosophila* – Spradling, Glavic  
 16:00 – 19:00 Concurrent Practical Sessions  
*Plant Group B* – Gutierrez  
*Planarian Group A* – Sánchez-Alvarado  
 19:00 Dinner in town

**Wednesday – 11/10/10**

9:00 – 9:45 Kristen Kroll, Washington Univ, USA  
*Mouse and Xenopus embryonic stem cells – a comparative study*  
 9:45 – 12:45 Concurrent Practical Sessions  
*Mouse Group A* – Behringer, Palma, Court, Olguín  
 12:45 – 13:30 Lunch  
 13:30 – 15:00 Roundtable discussion: *Science and ethics: On use of animals and embryonic stem cells*  
 Panelists: Janet Rossant, Ida Chow, Luis Covarrubias.  
 15:00 – 15:15 Coffee break  
 15:15 – 16:00 Wrap-up discussion: *Planarian* – Sanchez  
 16:00 – 19:00 Concurrent Practical Sessions  
*Hydra Group B* – Galliot  
*Holothuria Group A* – Garcia-Arrarás  
 19:00 Closing Banquet

**Thursday – 11/11/10**

9:00 – 10:30 Workshop: *Basics to set up a developmental biology course*  
 Panelists: Richard Harland, Kate Whitlock, Juan Larrain, Jonathan Slack  
 10:30 – 10:45 Coffee break  
 10:40 – 11:30 Janet Rossant, Hospital for Sick Children, Canada  
*The future of personalized stem cell medicine*  
 11:30 – 12:00 Concluding Remarks and Poster Awards  
 12:00 – 13:00 Lunch and check out  
 15:00 Registration at LASDB 5th International Meeting