Concepts and Model Organisms in Regenerative Biology

Satellite Short Course of the Fifth International Meeting of the Latin American Society for Developmental Biology Co-organized by the Society for Developmental Biology

November 2 –11, 2010.

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

Organizers: Miguel Allende (LASDB), Ida Chow (SDB), Richard Harland (SDB), Juan Larraín (LASDB)

LOCATIONS

- LECTURES: Sala Abate Molina (Facultad de Ciencias Biológicas, Univ. Católica)
- PRACTICALS: Drosophila and Zebrafish: Allende & Glavic Labs. (Facultad de Ciencias, Univ. de Chile)
 Hydra, holothuria: Larraín Lab. (Facultad de Ciencias Biológicas, Univ. Católica)
 Axolotl: Larraín Lab, microinjection room (Facultad de Ciencias Biológicas, Univ. Católica)
 Mouse, salamanders, planaria: 1st floor, new building (Facultad de Ciencias Biológicas,
 Univ. Católica)

Bioinformatics: underground, new building (Facultad de Ciencias Biológicas, Univ. Católica)

PROGRAM

Tuesday - 11/2/10

13:00 – 17:00	Registration: Universidad Católica de Chile
16:30 – 17:00	Animal Use Training for Short Course Students
17:00 – 17:30	Introductory Remarks by Organizers
17:30 – 18:30	Allan Spradling, Carnegie Institution for Science, USA
	Stem cell biology in Drosophila
18:30 – 19:30	Brigitte Galliot, University of Geneva, Switzerland
	Head regeneration in Hydra
19:30 – 21:00	Opening Reception, at Patio Zócalo

Wednesday – 11/3/10

8:30 – 9:30	Juan Larraín, Universidad Católica de Chile, Chile
	Spinal cord regeneration in Xenopus
9:30-10:30	Felix Loosli, Karlsruhe Inst. of Technology, Germany
	The killifish Medaka as a model system to study vertebrate development.

10:30 - 11:00	Coffee break
11:00 – 12:00	Miguel Allende, Universidad de Chile, Chile
	Regeneration of mechanosensory cells in zebrafish
12:00 – 13:00	Richard Behringer, MD Anderson Cancer Center, USA
	Stem cells, organogenesis and regeneration
13:00 – 14:30	Lunch at Centro de Extensión U. Católica
14:30 – 17:00	Concurrent Practical Sessions
	Holothuria Group A – Garcia-Arrarás
	Salamander Group B1 – Del Río-Tsonis, Tsonis
	Axolotl Group B2 – Kragl
17:00 – 17:30	Coffee break
17:30 – 20:00	Concurrent Practical Sessions
	Mouse Group A – Behringer
	<i>Hydra Group B</i> – Galliot
20:00	Group dinner

Thursday - 11/4/10

7:45	Bus from Apart Hotel Principado de Asturias to Univ. de Chile
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8:30 – 11:30	Concurrent Practical Sessions
	Drosophila Group A – Spradling, Glavic
	Zebrafish Group B – Allende, Yin, Schneider, Loosli
11:30	Bus from Univ. de Chile to Univ. Católica
12:00 - 13:00	Siobhan Brady, University of California-Davis, USA
	A systems approach to plant development
13:00 – 14:30	Lunch at Centro de Extensión Univ. Católica
14:30 - 17:00	Concurrent Practical Sessions
	Bioinformatics Group A- Brady
	Salamander Group B1 – Del Río-Tsonis, Tsonis
	Axolotl Group B2 – Kragl
17:00 – 17:30	Coffee break
17:30 – 20:00	Concurrent Practical Sessions
	Mouse Group A – Behringer
	<i>Hydra Group B</i> – Galliot
20:00	Dinner on your own

Friday-11/5/10

7:45	Bus from Apart Hotel Principado de Asturias to Univ. de Chile
8:30 – 11:30	Concurrent Practical Sessions
	Drosophila Group A – Spradling, Glavic
	Zebrafish Group B – Allende, Yin, Schneider, Loosli
11:30	Bus from Univ. de Chile to Univ. Católica
12:00 – 13:00	Panagiotis Tsonis, University of Dayton, USA
	Lens regeneration in salamander
13:00 – 14:30	Lunch at Centro de Extensión Univ. Católica
14:30 – 17:00	Concurrent Practical Sessions
	Bioinformatics Group A- Brady
	Salamander Group B1 – Del Río-Tsonis, Tsonis
	Axolotl Group B2 – Kragl
17:00 – 17:30	Coffee break
17:30 – 20:00	Concurrent Practical Sessions
	Mouse Group A – Behringer
	Hydra Group B – Galliot
20:00	Group dinner

Saturday-11/6/10

7:45	Bus from Apart Hotel Principado de Asturias to Univ. de Chile
8:30 – 11:30	Concurrent Practical Sessions
	Drosophila Group A – Spradling, Glavic
	Zebrafish Group B - Allende, Yin, Schneider, Loosli
11:30	Bus from Univ. de Chile to Univ. Católica
12:00 – 13:00	José García-Arrarás, University of Puerto Rico, Puerto Rico
	Intestinal regeneration in the echinoderm Holothuria glaberrima
13:00 – 14:30	Lunch at Centro de Extensión Univ. Católica
14:30 – 17:00	Concurrent Practical Sessions
	Salamander Group A1 – Del Río-Tsonis, Tsonis
	Axolotl Group A2 – Kragl
	Bioinformatics Group B- Brady
17:00 – 17:30	Coffee break
17:30 – 20:00	Concurrent Practical Sessions
	$Hydra\ Group\ A$ — Galliot

Dinner on your own

Sunday - 11/7/10

9:00 – 14:30	Free Time
14:30 – 17:00	Concurrent Practical Sessions
	Salamander Group A1 – Del Río-Tsonis, Tsonis
	Axolotl Group A2 – Kragl
	Bioinformatics Group B- Brady
17:00 – 17:30	Coffee break
17:30 – 20:00	Concurrent Practical Sessions
	<i>Hydra Group A</i> – Galliot
	Mouse Group B - Behringer
20:00 - 22:00	Dinner Roundtable
	Ida Chow, Society for Developmental Biology, USA
	Teaching Developmental Biology

Monday - 11/8/10

7:45	Bus from Apart Hotel Principado de Asturias to Univ. de Chile
8:30 – 11:30	Concurrent Practical Sessions
	Drosophila Group B – Spradling, Glavic
	Zebrafish Group A – Allende, Yin, Schneider, Loosli
11:30	Bus from Univ. de Chile to Univ. Católica
12:00 – 13:00	Katia del Rio-Tsonis, Miami University of Ohio, USA
	Mechanism of chick retina regeneration
13:00 – 14:30	Lunch at Centro de Extensión Univ. Católica
14:30 – 17:00	Concurrent Practical Sessions
	Salamander Group A1 – del Río-Tsonis, Tsonis
	Axolotl Group A2 – Kragl
	Holothuria Group B – García-Arrarás
17:00 – 17:30	Coffee break
17:30 – 20:00	Concurrent Practical Sessions
	Hydra Group A – Galliot
	Mouse Group B - Behringer
20:00	Dinner on your own

Tuesday - 11/9/10

7:45	Bus from Apart Hotel Principado de Asturias to Univ. de Chile
8:30 – 11:30	Concurrent Practical Sessions
	Drosophila Group B - Spradling, Glavic
	Zebrafish Group A - Allende, Yin, Schneider, Loosli
11:30	Bus from Univ. de Chile to Univ. Católica
12:00 - 13:00	Alejandro Sánchez-Alvarado, University of Utah, USA
	Regeneration in Planaria
13:00 – 14:30	Lunch at Centro de Extensión Univ. Católica
14:30 – 17:00	Concurrent Practical Sessions
	Planarian Group B – Sánchez-Alvarado
	Planarian Group A – Sánchez-Alvarado
17:00 – 17:30	Coffee break
17:30 – 18:30	Alvaro Glavic, Universidad de Chile, Chile
	Proliferation and apoptosis in the Drosophila wing
18:30 – 19:30	Ken Poss, Duke University, USA
	Heart and fin regeneration in zebrafish
19:30 – 21:00	Poster Session I

We dnesday-11/10/10

7:45	Bus from Apart Hotel Principado de Asturias to Univ. de Chile
8:30 – 11:30	Concurrent Practical Sessions
	Drosophila Group B – Spradling, Glavic
	Zebrafish Group A – Allende, Yin, Schneider, Loosli
11:30	Bus from Univ. de Chile to Univ. Católica
12:00 – 13:00	Kristen Kroll, Washington University, USA
	Mouse and Xenopus cmbryonic stem cells – a comparative study
13:00 – 14:30	Lunch at Centro de Extensión Univ. Católica
14:30 – 17:00	Concurrent Practical Sessions
	Planarian Group B – Sánchez-Alvarado
	Planarian Group A – Sánchez-Alvarado
17:00 – 17:30	Coffee break
17:30 – 18:30	Joachim Wittbrodt, EMBL, Heidelberg, Germany
	TBA

18:30 – 19:30	Elly Tanaka, Max Planck Inst, Germany
	Toward understanding tissue and positional identity of regenerating limbblastema
19:30 – 21:00	Poster Session II

Thursday - 11/11/10

8:30 – 9:30	Jonathan Slack, University of Minnesota, USA
	Tail regeneration in Xenopus tadpoles
9:30 – 10:30	Janet Rossant, Hospital for Sick Children, Canada
	Stem Cells and early lineage development
10:30 - 11:00	Coffee break
11:00 - 12:00	Philip Benfey, Duke University, USA
	Development rooted in interwoven networks
12:00 - 12:30	Awards and Concluding Remarks
12:30	Lunch and Departure to LASDB 5th International Meeting

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Contributions

Company of Biologists, UK – Development; Disease Models & Mechanisms