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UNIVERSIDAD
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A Systems Biology Approach to Understanding Mechanisms of Organismal Evolution

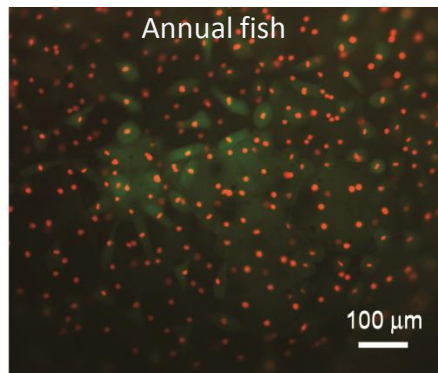
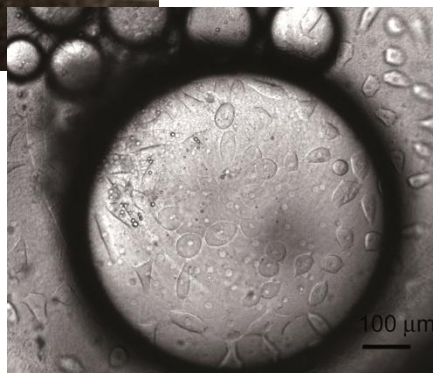
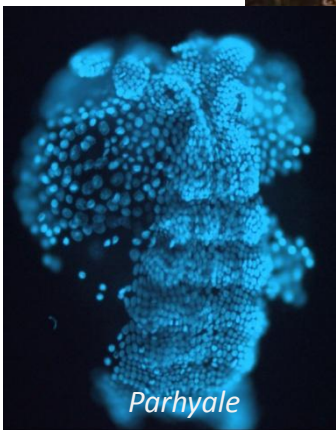
*Satellite Short Course of the Sixth International Meeting of
the Latin American Society for Developmental Biology*

Universidad de la República & Institut Pasteur de Montevideo

Montevideo, Uruguay
April 16—25, 2012



PALMER
Visión tecnológica



A Systems Biology Approach to Understanding Mechanisms of Organismal Evolution

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

Facultad de Ciencias - Universidad de la República

Institut Pasteur de Montevideo

Montevideo, Uruguay

April 16-25, 2012

Organized by:

Society for Developmental Biology

<http://www.sdbonline.org>

Latin American Society for Developmental Biology

<http://lasdbbiology.ning.com>

Organizers:

Mike Levine, University of California, Berkeley

Ida Chow, Society for Developmental Biology

Nibia Berois, Universidad de la República

Flavio Zolessi, Universidad de la República

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DAILY PROGRAM

Places: FC= Facultad de Ciencias; IP= Institut Pasteur de Montevideo; CE= Instituto de Investigaciones Biológicas Clemente Estable; Inf.= informatics room; 305, 307 and T04= teaching labs at FC.
All talks at Facultad de Ciencias will be in Salón de Seminarios 1, and at Pasteur, in Salón de Actos.

Day 1 (Monday 16/4)

13-16	FC	Registration
16-17	FC	TALK: Animal care and use (Ida Chow)
17-17:30	FC	Welcome remarks
17:30-18:30	FC	TALK: Developmental biology in annual fish: special features and egg envelope proteins genes (Nibia Berois)
18:30-19:30	FC	TALK: Gene regulatory networks in plant roots (Siobhan Brady)
19:30-21:30	FC, Hall	Students poster session, 1-15 Opening reception

Day 2 (Tuesday 17/4)

9-10	IP	TALK: Evolution of Arthropod Appendages (Nipam Patel)
10-11	IP	TALK: The current state of evolutionary theory (Enrique Lessa)
11-11:30	IP	Coffee break
11:30-13:30	IP	PRACT: Arthropods I (N. Patel) Group B
	FC, Inf	PRACT: Regulatory networks I (S. Brady) Group A
13:30-14:30	IP	Lunch
14:30-17:30	IP	PRACT: Arthropods I (N. Patel) Group A
	FC, Inf	PRACT: Regulatory networks I (S. Brady) Group B
17:30-18:00	IP	Coffee break
18:00-21:00	IP	PRACT: Arthropods II (N. Patel) Group B
	FC, Inf	PRACT: Regulatory networks II (S. Brady) Group A

Day 3 (Wednesday 18/4)

9-11	IP	PRACT: Arthropods II (N. Patel) Group A
	FC, Inf	PRACT: Regulatory networks II (S. Brady) Group B
11-11:30	IP	Coffee break
11:30-13:30	IP	PRACT: Arthropods III (N. Patel) Group B
	FC, Inf	PRACT: Regulatory networks III (S. Brady) Group A
13:30-14:30	IP	Lunch
14:30-17:30	IP	PRACT: Arthropods III (N. Patel) Group A
	FC, Inf	PRACT: Regulatory networks III (S. Brady) Group B
17:30-18:00	IP	Coffee break
18:00-19:00	FC	TALK: Theoretical approaches for the analysis of metabolic and signaling networks (Luis Acerenza)
19:00-21:00	FC	Students poster session, 16-30 Refreshments

Day 4 (Thursday 19/4)

9-10	FC	TALK: Urodeles as models of Tissue Regeneration (Panagiotis Tsonis)
10-11	FC	TALK: Retina repair strategies are evolutionary conserved in vertebrates (Katia Del Río-Tsonis)
11-11:30	IP	Coffee break
11:30-12:30	IP	TALK: Postnatal development of the brain of <i>Gymnotus omarorum</i> : unveiling the cellular components of brain proliferating zones and their fate by temporal halogenated thymidine analog discrimination (María Castelló)
12:30-13:30	IP	ROUNDTABLE: Scientific Publishing
13:30-14:30	IP	Lunch
14:30-17:30	IP	PRACT: Urodeles I (K. Del Río-Tsonis/P. Tsonis) Group B
	FC, Inf	PRACT: Systems biology I (L. Acerenza) Group A
17:30-18:00	IP	Coffee break
18:00-21:00	IP	PRACT: Urodeles I (K. Del Río-Tsonis/P. Tsonis) Group A
	FC, Inf	PRACT: Systems biology I (L. Acerenza) Group B

Day 5 (Friday 20/4)

9-9:45	IP	TALK: The chick as an experimental system (Claudio Stern)
9:45-10:30	IP	TALK: Evolution of sensory systems (Andrea Streit)
10:30-11:15	IP	TALK: Evolution of extraembryonic tissues and the amniote/anamniote divide (Claudio Stern)
11:15-11:30	IP	Coffee break
11:30-13:30	IP	PRACT: Chick embryo, demonstration (C. Stern/A. Streit) Group A and B
13:30-14:30	IP	Lunch
14:30-17:30	IP	PRACT: Urodeles II (K. Del Río-Tsonis/P. Tsonis) Group B
	IP	PRACT: Chick embryo (C. Stern/A. Streit) Group A
17:30-18:00	IP	Coffee break
18:00-21:00	IP	PRACT: Urodeles II (K. Del Río-Tsonis/P. Tsonis) Group A
	IP	PRACT: Chick embryo (C. Stern/A. Streit) Group B

Day 6 (Saturday 21/4)

9-10	IP	PRACT: Chick embryo (C. Stern/A. Streit) Group A and B
10-13:30	IP	PRACT: Chick embryo (C. Stern) Group B
	FC, Inf	PRACT: Biotapestry (A. Streit) Group A
13:30-14:30	FC	Lunch
14:30-17:30	IP	PRACT: Chick embryo (C. Stern/A. Streit) Group A and B
17:30-18:00	IP	Coffee break
18:00-21:00	IP	PRACT: Chick embryo (C. Stern) Group A
	FC, Inf	PRACT: Biotapestry (A. Streit) Group B

Day 7 (Sunday 22/4)

10:30-13:30	CE	PRACT: Electric fish (M. Castelló) Group A
	FC, 307	PRACT: Annual fish (N. Berois) Group B
13:30-14:30	FC	Lunch
14:30-17:30	CE	PRACT: Electric fish (M. Castelló) Group B
	FC, 307	PRACT: Annual fish (N. Berois) Group A
17:30-18:00	IP	Coffee break
18:00-19:00	FC	TALK: Planarians as a model system for the study of regeneration (Alejandro Sánchez-Alvarado)
19:00-20:00	FC	TALK: Using the Brazilian opossum to study mammalian evolution (Yolanda Cruz)

Day 8 (Monday 23/4)

9-10:15	IP	PRACT: Regeneration in planaria I (A. Sánchez-Alvarado) Group B
	FC, 307	PRACT: Marsupials (Y. Cruz) Group A
10:15-10:30	IP	Coffee break
10:30-12:30	IP	PRACT: Regeneration in planaria I (A. Sánchez-Alvarado) Group B
	FC, 307	PRACT: Marsupials (Y. Cruz) Group A
12:30-13:30	IP	ROUNDTABLE: Ethics and education
13:30-14:30	IP	Lunch
14:30-17:30	IP	PRACT: Regeneration in planaria I (A. Sánchez-Alvarado) Group A
	FC, 307	PRACT: Marsupials (Y. Cruz) Group B
17:30-18:00	IP	Coffee break
18:00-19:00	FC	TALK: Origin, evolution and development of the chordates (Billie Swalla)
19:00-20:00	FC	TALK: The marine annelid Platynereis: a new powerful model for organismal systems biology (Detlev Arendt)

Day 9 (Tuesday 24/4)

9-10:15	IP	PRACT: Annelids I (D. Arendt) Group A
	FC, 307	PRACT: Regeneration in planaria II (A. Sánchez-Alvarado) Group B
10:15-10:30	IP	Coffee break
10:30-12:30	IP	PRACT: Annelids I (D. Arendt) Group A
	FC, 307	PRACT: Regeneration in planaria II (A. Sánchez-Alvarado) Group B
12:30-13:30	IP	TALK: <i>Hydra</i> a model system for stem cell, regeneration and aging studies (Brigitte Galliot)
13:30-14:30	IP	Lunch
14:30-17:30	IP	PRACT: Regeneration in planaria II (A. Sánchez-Alvarado) Group A
	FC, T04	PRACT: Insects (R. Rivera-Pomar) Group B
17:30-18:00	IP	Coffee break
18-21	IP	PRACT: Annelids I (D. Arendt) Group B
	FC, T04	PRACT: Insects (R. Rivera-Pomar) Group A

Day 10 (Wednesday 25/4)

9-10:15	IP	PRACT: Annelids II (D. Arendt) Group A
	FC, 305	PRACT: Primitive chordates (B. Swalla) Group B
10:15-10:30	IP	Coffee break
10:30-12:30	IP	PRACT: Annelids II (D. Arendt) Group A
	FC, 305	PRACT: Primitive chordates (B. Swalla) Group B
12:30-13:30	IP	TALK: How do transcription factors find their target genes in living cells (Walter Gehring)
13:30-14:30	IP	Lunch
14:30-17:30	IP	PRACT: Annelids II (D. Arendt) Group B
	FC, 305	PRACT: Primitive chordates (B. Swalla) Group A
17:30-18:30	IP	Closing remarks

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