

**FRIDAY, October 5<sup>th</sup>, 2012**

08:30-09:45

**REGISTRATION**

09:45-10:00

***Opening Ceremony***

***Flavio Zolessi***

LAZEN Coordinating Committee Chair

10:00-11:00

***Opening Lecture***

**Miguel Allende**

*Center for Genome Regulation, Facultad de Ciencias, Universidad de Chile. Chile*

*“Regeneration of sensory cells and neurons in zebrafish larvae depends on diverse extrinsic cell types”*

11:00-13:00

***Symposium***

11:00-11:30

**Lucia Franchini**

*Instituto de Investigaciones en Ingeniería Genética y Biología Molecular - (INGEBI-CONICET). Argentina*

*“Genetic basis of human brain evolution: a bioinformatics and functional approach using transgenic zebrafish and mice”*

11:30-12:00

**Monica Ryff Moreira Vianna**

*Faculty of Biosciences - Pontificia Universidade Católica do Rio Grande do Sul. Brazil*

*“Zebrafish behavioral profiling”*

12:00-12:30

**Ernesto Maldonado**

*Instituto de Fisiología Celular – Universidad Nacional Autónoma de México. México*

*“Dendritic spine defects that impair vision in the Vps18 zebrafish mutant”*

12:30-13:00

**Marcelo Rubinstein**

*INGEBI – Universidad de Buenos Aires. Argentina*

*“Pro-opiomelanocortin gene expression at the vertebrate extremes: cis/trans comparative studies in mouse and zebrafish”*

13:00-15:30

***Time for lunch***

15:30 - 17:30

***POSTERS***

17:30-19:00

***Round Table***

***“Technical tips to improve zebrafish aquarium in Latin American laboratories”***

19:00-20:00

***Plenary Lecture***

**Maria Caterina Mione**

*Institute of Toxicology and Genetics, Karlsruhe Institute of Technology (KIT). Germany*

*“Zebrafish as a model for cancer biology”*

20:30-

***Cocktail***

**SATURDAY, October 6<sup>th</sup>, 2012**

08:30-10:30

**Symposium**

08:30-09:00

**Carmen Feijóo**

*Facultad de Ciencias Biológicas - Universidad Andrés Bello. Chile*

“Antibiotics in aquaculture and their effects on the innate immune system of fish”

09:00-09:30

**Sergio Simonetta**

*Fundación Instituto Leloir – CONICET. Argentina*

“Developing new technologies for automatic zebrafish tracking”

09:30-10:00

**José L. Badano**

*Institut Pasteur de Montevideo. Uruguay*

“Using zebrafish to understand the cellular basis of human ciliopathies: characterizing the Bardet-Biedl syndrome modifier CCDC28B”

10:00-10:30

**Enrique Salas**

*Instituto de Biotecnología – Universidad Nacional Autónoma de México – México*

“Knockdown of Rac1 small GTPase leads to down regulation of glutathione peroxidase 4 expression and induce oxidative stress during early zebrafish development”

10:30-11:00

**COFFEE BREAK**

11:00-13:00

**Symposium**

11:00-11:30

**Flavio Zolessi**

*Facultad de Ciencias - Universidad de la República. Uruguay*

“Influence of the local environment on early neuronal differentiation in the zebrafish retina”

11:30-12:00

**María Paula Faillace**

*Facultad de Medicina – Universidad de Buenos Aires. Argentina*

“Regeneration of zebrafish retina depends on the expression and activity of purinergic signaling molecules”

12:00-12:30

**José María Monserrat**

*Instituto de Ciências Biológicas - Universidade Federal do Rio Grande. Brazil*

“Toxicity of nanomaterials in zebrafish”

12:30-13:00

**Miguel L. Concha**

*Institute of Biomedical Sciences - University of Chile. Chile.*

“In vivo analysis of individual and collective cell migration in teleost embryos”

13:00-15:30

**Time for lunch**

15:30 – 17:30

**POSTERS**

17:30-19:30

***Plenary Lecture***

**Kathleen Withlock**

*Centro Interdisciplinario de Neurociencia de Valparaiso, Facultad de Ciencias*

*Universidad de Valparaíso. Chile*

*“The Olfactory Sensory System: Something for Everyone”*

19:30-20:30

***Closing Lecture***

**Robert Kelsh**

*Department of Biology and Biochemistry – University of Bath. United Kingdom*

*“Gone fishing, with a calculator – how an iterative application of zebrafish genetics and mathematical modelling provides insight into the Gene Regulatory Network underlying melanocyte development”*

21:00-

***Final conclusions and future actions***