

## Symposium Program

Melbourne 9-10 October 2017

*Timing and presentation titles are subject to change*

### Day 1: Monday 9 October 2017

9:15-9:30

#### Opening Ceremony

Prof. Pauline Nestor Vice-Provost (Research), Monash University, Australia

#### Session I: Evolution and Development (Part 1)

**Chair: Dr. Hozana Castillo (Brazilian Biosciences National Laboratory, Brazil and ARMI, Australia)**

9:30-10:00

#### Exploring the Genomes of South American Cyprinidontiform Fish Displaying Unique Life Histories and Developmental Mechanisms

Prof. Miguel Allende (FONDAP Center for Genome Regulation (CGR), Universidad de Chile, Chile)

10:00-10:30

#### Somite derived cells and the fin to limb transition

Prof. Peter Currie (ARMI, Australia)

10:30-11:00

#### Regulatory versus Protein-coding Sequences - How Myostatin Evolved in Animals with Different Muscle and Metabolic Phenotypes

Prof. Lucia Alvares (State University of Campinas - UNICAMP, Brazil)

11:00-11:30

*Break*

11:30-12:00

#### Leukocyte development and function – insights from zebrafish studies

Prof. Graham Lieschke (ARMI, Australia)

12:00-12:30

#### Evolution of the Vertebrate Paired Appendages: Insights from Paddlefish and Catshark

Dr. Frank Tulenko (ARMI, Australia)

12:30-13:30

*Lunch*

#### Session II: Evolution and Development (Part 2)

**Chair: Assoc Prof. Edwina McGlinn (ARMI, Australia)**

13:30-14:00

#### The Tangled Origins of Cardiac Chamber-“specific” Gene Regulatory Networks

Dr. José Xavier Neto (Brazilian Biosciences National Laboratory, Brazil)

14:00-14:30

#### Cis-regulation of Heart Development

Dr. Mirana Ramialison (ARMI, Australia)

14:30-16:00

#### Poster Session

## Day 2: Tuesday 10 October 2017

### Session III: Stem Cells and Regeneration

Chair: Dr. Fernando Faunes (Universidad Andres Bello, Chile)

- 9:30-10:00 **Spinal Cord Regeneration in the African Frog *Xenopus Laevis***  
Prof. Juan Larraín (Center for Aging and Regeneration, Pontificia Universidad Catolica de Chile, Chile)
- 10:00-10:30 **Identification of the Cellular and Molecular Mechanisms of Zebrafish Spinal Cord Regeneration**  
Dr. Hozana Castillo (Brazilian Biosciences National Laboratory, Brazil and ARMI, Australia)
- 10:30-11:00 **Osteopontin is an Important Regulative Component of Foetal BM Haemopoietic Niche**  
Prof. Susie Nilsson (ARMI and CSIRO, Australia)
- 11:00-11:30 *Break*
- 11:30-12:00 **Harnessing Pluripotency: Novel Tools for Human Stem Cell Biology**  
Assoc Prof. Andrew Laslett (ARMI and CSIRO, Australia)
- 12:00-12:30 **Delivering Morphogens and Immunomodulators to Promote Tissue Regeneration**  
Assoc Prof. Mikael Martino (ARMI, Australia)
- 12:30-14:30 *Lunch*

### Session IV: Genetic Control of Developmental Mechanisms

Chair: Prof. Juan Larraín (Center for Aging and Regeneration, Pontificia Universidad Catolica de Chile, Chile)

- 14:30-15:00 **Differential tRNA Modification Controls Translational Profiles in Differentiating and Proliferating Cells in *Drosophila***  
Assoc Prof. Alvaro Glavic (Universidad de Chile)
- 15:00-15:30 **Revealing the Hox code in developing spinocerebellar neurons**  
Assoc Prof. Edwina McGlenn (ARMI, Australia)
- 15:30-16:00 **The Heterochronic Gene *Lin28* Regulates Amphibian Metamorphosis through Disturbance of Thyroid Hormone Function**  
Dr. Fernando Faunes (Universidad Andres Bello, Chile)
- 16:00-16:30 *Break*
- 16:30-17:15 **Roundtable Discussion: How to Capitalize Connections and Support Collaboration?**  
Chair: Prof. Abid Khan - Deputy Vice-Chancellor and Vice President (Global Engagement), (Monash University, Australia)
- 17:15-17:30 **Poster Prize Announcement and Closing Remarks**
- 17:30-18:30 **Networking Drinks**