

Developmental Biology Symposium-Quintay 2020

11th January 2020, CIMARQ-Quintay-Chile

MBL-LASDB-UNAB-CINV

10.00-10.30: **Registration**

10.30-11.00: **Opening and Welcome.** Roberto Mayor. UCL, UK

11.00-13.10: **Morning session.** Chair: **John Ewer**, CINCV, Chile

11.00-11.30: **David McClay** (Duke University, USA). *'Top down and bottom up approaches to understanding morphogenesis'*

11.30-11.50: **Leonardo Valdivia** (Universidad Mayor, Chile). *'Watching eyes take shape: mab21l2 as a link between morphogenesis and growth of zebrafish eyes'*

11.50-12.10: **Miguel Concha** (Universidad de Chile, Chile). *'Guidance of collective mesenchymal locomotion by epithelial sheet traction'*

12.10-12.30: **Ricardo Fuentes** (Universidad de Concepcion, Chile). *'Maternal Mgat1a and Krang factors: novel insights into cortical granule biology during the zebrafish oocyte-to-embryo transition'*

12.30-12.50: **Alvaro Glavic** (Universidad de Chile, Chile). *'A history of forward genetics that discovers a novel actin dynamics regulator in Drosophila'*

12.50-13.10: **Sally Moody** (U. Washington, USA). *"In search of novel genes in craniofacial birth defects"*.

13.10-14.30: **Lunch**

14.30-16.10: **Afternoon session I.** Chair: **Joao Botelho**, PUC, Chile

14.30-14.50: **Alfonso Martínez-Arias**, (University of Cambridge, UK). *'Gastruloids, a Pluripotent Stem cell based model for mammalian development'*

14.50-15.10: **Ana Ojeda**, (Universidad de San Sebastián, Chile). *'Regulation of the neurovascular patterning by CXCL14 during cornea development'*

15.10-15.30: **Juan Larrain** (P Universidad Católica de Chile). *'Spinal cord regeneration in amphibians'*

15.30-15.50: **Gonzalo Olivares** (Universidad de Chile, Chile) *'Developmentally regulated cleavage of transcript 3' ends controls a switch in proteins expressed as proliferating cells begin to differentiate'*

15.50-16.10: **Constanza Vásquez** (Universidad de Chile, Chile). *'Understanding the role of the immune system during regeneration: Revisiting a lost planarian cell type'*

16.10-16.40 **Coffee break**

16.40-18.30: **Afternoon session II. Chair: Fernando Faunes**, UNAB, Chile

16.40-17.00: **Cecilia Moens** (Fred Hutchinson Cancer Research Center, USA). *'What Happens in Vagus: a spatiotemporal mechanism of topographic map formation'*

17.00-17.20: **Joaquin Letelier**, (Universidad Mayor, Chile) *"Shaping fins and limbs: conserved developmental programs"*

17.20-17.40: **Joao Botelho** (PUC, Chile). *'Whole mount imaging of the tetrapod limb at late developmental stages'*

17.40-18.00: **Carlos Oliva** (P Universidad Católica, Chile). *'The Slit/Robo pathway sculpts the Drosophila visual system'*

18.00-18.30: **Alejandro Sanchez Alvarado** (HHMI, Stower Medical Research Center, USA). *'Understanding the regenerative capacities in animals'*