

Pablo Guzman Memorial Symposium

EMBO-Developmental Biology -Quintay 2023

Monday 9th January 2023, CIMARQ-Quintay-Chile
MBL-LASDB-UNAB-CINV-UMAYOR-UCL

10.30-10.50: **Registration**

10.50-11.00: **Opening and Welcome.** Roberto Mayor. UCL, UK

11.00-12.45: **Morning session.** Chair: **Roberto Mayor**, UCL, UK

11.00-11.30: **Alejandro Sanchez Alvarado** (HHMI, Stower Medical Research Center, USA).

Understanding the Sources of Regenerative Abilities in Animals

11.30-11.55: **Sandra Edwards** (Center for Molecular and Cellular Bioengineering,

Germany). *How much did I lose? Mechanically regulated growth during limb regeneration*

11.55-12.20: **Joaquin Letelier** (Universidad Mayor, Chile). *Mutation of visual system homeobox genes in zebrafish highlights the robustness of eye development*

12.20-12.45: **Miguel Salinas-Saavedra** (University of Galway, Ireland). *Senescence-induced cellular reprogramming drives cnidarian whole-body regeneration*

12.45-14.00: **Lunch**

14.00-15.20: **Afternoon session I.** Chair: **Fernando Faunes**, UNAB, Chile

14.00-14.30: **David Sherwood** (Duke University, USA). *A Comprehensive Basement Membrane Toolkit in C. elegans Reveals Dynamic Properties of a Living Matrix*

14.30-14.55: **Oswaldo Contreras** (Victor Chang Cardiac Research Institute, Australia). *Modelling the Human Cardiomyocyte Cell Cycle Using a Novel Thymidine Analogue*

14.55-15.20: **Lorena Varela** (Universidad Andrés Bello, Chile). *Role and regulation of Wnt signaling in adult neurogenesis*

15.20-16.00 **Coffee break**

16.00-17.20: **Afternoon session II.** Chair: **John Ewer**, CINV, Chile

16.00-16.25: **Verónica Palma** (Universidad de Chile, Chile). *iPSC-derived cell models reveal neuro-vascular alterations associated with the onset of schizophrenia.*

16.25-16.50: **Leonardo Valdivia** (Universidad Mayor, Chile). *An enhancer-trap screen reveals the expression of ataxin2 in progenitor cells of the zebrafish visual system*

16.50-17.20: **Nipam Patel** (MBL, Woods Hole; University of Chicago, USA). *The Physics of Beauty: Structural Colors in Butterflies*