



Cnidaria satellite session, 25-26 June, 2018

Monday 25/06/2018

12:00 Registration, Bailey Allen Hall

12:30 Lunch, An Bhalann

1:50 Welcome (Fabian Rentzsch, James Gahan, and Uri Frank)

Session 1 (Chair: James Gahan)

2:00 Eric Röttinger

Tissue crosstalk is required to induce a potential stem cell based regenerative response in the anthozoan cnidarian *Nematostella vectensis*

2:20 Lucas Leclère

Scyphozoan developmental mechanisms: insights from *Pelagia noctiluca*

2:40 Christine Schnitzler

An Update on the *Hydractinia* Genome Project

3:00 Patrick Steinmetz

Insights into the molecular and cellular basis of nutrient homeostasis in the sea anemone *Nematostella vectensis*

3:20 Yulia Kraus

Staurozoan embryo with a low number of cells overcomes the developmental constraints by using very unusual morphogenetic toolkit

3:40 Matt Gibson

A functional Hox code controls tissue segmentation and appendage patterning in the sea anemone *Nematostella vectensis*

4:00-4:30 Coffee

Session 2 (Chair: Paulya Cartright)

4:30 Uri Gat

The *Cthrc* Genes - Study of a New Gene Family in the Development and Regeneration of the Sea Anemone *Nematostella vectensis*

4:50 Febri Marsa

Accumulation of N6-methyldeoxyadenosine precedes the zygotic genome activation during early embryogenesis in *Hydractinia*

5:10 Liz Hambleton

Evolutionary novelties in cnidarians to exploit symbiont-produced lipids

5:30 Maayan Agron

Characterizing the role of microRNAs in *Nematostella vectensis* development

5:50 Océane Tournière

The POU domain transcription factor *NvBrain3* is required for cnidocyte development in *Nematostella vectensis*

6:10 Sofia N Barreira

Exploring the Role of Large Tandem DNA Repeats in the Context of Regeneration

7:00 BBQ @SULT (College Bar)

Tuesday 26/06/2018

Session 1 (Chair: Tamar Lotan)

9:10 Brigitte Galliot

Loss of regeneration and aging in *Hydra*

9:30 Eleni Chrysostomou

Lineage specification during nervous system establishment: from stem cells to neurons

9:50 Roberto Pennati

Expression pattern of Yamanaka's factors during reverse development of *Turritopsis dhornii*

10:10 Johanna Kraus

DOUBLECORTIN in cnidocytes development in *Nematostella vectensis*

10:30-11:00 Coffee

Session 2 (Chair: Grigory Genikhovich)

11:00 Stanley Shostak

Hydra's clockwork budding

11:20 Shani Levy

GABA_B Signaling regulates metamorphosis and neurogenesis in the sea anemone *Nematostella vectensis*.

11:40 Miguel Salinas-Saaverda

Insight into the evolution of distinct germ layer segregation from a cellular perspective

12:00 Anna Klompen

Influences of functional variation on venom expression in hydractiniid hydrozoans

12:20 Discussion/closing (Fabian Rentzsch, James Gahan, and Uri Frank)