

Wednesday, September 18

- 08:30-09:40 Registration
- 09:40-10:00 Welcome
- 10:00-11:00 **Sophie Breton**: The puzzling mitochondrial system of mussel species
- 11:00-11:15 Coffee Break
- 11:15-12:15 Session 1 (3×15min+5min), chairman: **David Skibinski**
Angel Diz: Testing the proposed new DUI model in marine mussels
Marek Lubośny: The absence of canonical respiratory complex I subunits in male-type mitogenomes of three *Donax* species
Sofia Blanco: Seeking factors involved in DUI and sex determination in *Mytilus* spp. by shotgun proteomic analysis of sex-biased eggs and D-larvae
- 12:15-14:00 Lunch break
- 14:00-15:00 Session 2 (3×15min+5min), chairman: **Jonathan Gardner**
Alexis Simon: Diversity and evolution of the *Mytilus trossulus* Bivalve Transmissible Neoplasia 2 genome
Maria Skazina: Clonal diversity of *Mytilus trossulus* transmissible neoplasia revealed by Illumina amplicon sequencing
Erika Burioli: Host response to allogenic and xenogeneic grafts and to infection with transmissible cancer cells in *Mytilus edulis*
- 15:00-15:30 Coffee Break
- 15:30-16:00 Poster Session: **Jose Babarro, Maria Skazina, Robert Ellis, Tim Regan**, 5 presentations in total, 6 minutes each

Thursday, September 19

- 09:30-10:00 Registration
- 10:00-11:00 **Elizabeth Harper:** Building a mussel shell: adaptations and constraints
- 11:00-11:15 Coffee Break
- 11:15-12:15 Session 3 (3×15 min+5 min), chairwoman: **Cynthia Riginos**
Raphael Martin-Roy: Drivers of 3D *Mytilus* shell morphology along environmental and temporal gradients
Dona Kireta: Exploring presence absence variation in mussels to infer species and adaptation in the *Mytilus* species complex
Nicolas Bierne: Anthropogenic hybridization led to the emergence of the dock mussel, a new port ecotype with a fully admixed genome
- 12:15-14:00 Lunch break
- 14:00-15:00 Session 4 (3×15 min+5 min), chairman: **Angel Diz**
Clio Der Sarkissian: Ancient genomics of *Mytilus* mussels
Robert Ellis: MytiSNP: an open access repository for mussel SNP data
Magdalena Malachowicz: Bioinvasion and hybridization of the *Mytilus galloprovincialis*: a threat to genetic biodiversity at regional and global scales
- 15:00-15:15 Coffee Break
- 15:15-16:15 Session 5 (3×15 min+5 min), chairman: **Nicolas Bierne**
Tim Regan: Applying a chromosome-scale assembly to explore population structure, metagenomics, and evolution in *Mytilus edulis*
Pierre De Wit: Unlocking the secret life of blue mussels: Exploring connectivity in the Skagerrak through biophysical modeling and population genomics
Jonathan Gardner: Identifying two key sources of spat supply for New Zealand greenshell mussel (*Perna canaliculus*) aquaculture using genomics and physical oceanography modeling

Friday, September 20

- 10:00-10:15 Welcome address by the Director **Jan Marcin Węslawski**
- 10:15-11:00 **Herbert Waite**: Mussel byssus – a sustainable single-use high performance material (zoom presentation, no questions)
- 11:00-11:15 Coffee Break
- 11:15-12:15 Session 6 (3×15 min+5 min), chairman: **Robert Ellis**
- Jose Babarro**: Biomaterials secreted by the cultivated *Mytilus galloprovincialis* in Galicia (NW Spain): key protective structures being threatened in a global change scenario
 - Louisa Williams**: The physiological and behavioral response of *Mytilus* mussels to salinity in a changing ocean
 - Rasha Shtay**: The effect of cultivation depth on the lipid content and profile in blue mussels (*Mytilus edulis*) cultivated in the Kiel Fjord
- 12:15-14:00 Lunch break
- 14:00-15:00 Session 7 (3×15 min+5 min), chairman: **Tim Regan**
- Cynthia Riginos**: Ménage à trois: introductions, endemism, and hybridisation in Australian *Mytilus*
 - Norman Ragg**: Characterization and mitigation of Summer Mortality Syndrome in the New Zealand green-lipped mussel
 - Marco Gerdol**: Investigating the relationship between DNA methylation and gene expression during early development in *Mytilus galloprovincialis*
- Informal SC meeting
- 18:00-21:00 Dinner / Closing remarks /

Saturday, September 21

Optional social activity, with unconstrained discussion in beautiful surroundings.

If you have not booked that, please reconsider.