



Octobre 18- 20, 2023

Amphitheater Philippe Lamour

October 20th 2023

DAY 1 – Wednesday

**Welcome Talk - Plateforme
ZEFIX**

1:00 PM -1:30 PM

Bénédicte Delaval

**Session I: Cell biology and
Development**

1:30 PM -3:10 PM

Pascale Bomont & Guillaume Van Niel

- **Coralie Fassier - Institut de la Vision - Paris**
Selective modifications of tubulin polyglutamylation patterns rescue the axonal defects caused by reduced levels of disease- causing microtubule-severing enzymes
- **Maximilian Furthauer - Université Côte d’Azur**
Flow-dependent and flow-independent functions of unconventional type 1 Myosins in zebrafish Left-Right Asymmetry
- **Amélie Elouin - Ecole Polytechnique Palaiseau**
A non-cell autonomous role of Myosin-II in guiding collective migration

- [Nicolas Taulet - CRBM Montpellier](#)

Controlled cytokinesis ensures the maintenance of kidney tubule organization in vivo

- [Victor Bernard - IGF Montpellier](#)

Mecano-regulation of cardiac extracellular matrix in heart development and disease

- [Julie Batut - CBI Toulouse](#)

Zebrafish Olfactory Organ morphogenesis modelisation

- [Emilie Dambroise - Institut Imagine Paris](#)

Phex and cranofacial skeleton : study of a new Phexlof Zebrafish model

- [Ramy El Said - Institut Curie Paris](#) - Présenté par Aya Mikdache

A non-invasive light-inducible split-cre recombinase system for genome engineering in zebrafish embryos.

Coffee Break
Exhibition

3:10PM – 3:40 PM

Session II: Cancer

3:40 PM - 4:30PM

[Pierre Olivier Angrand & Vincent Hyenne](#)

- [Vincenzo Verdi - Université de Paris](#)

Manipulation of Tumor Extracellular vesicles biodistribution and uptake in vivo by a versatile cell-surface “EV-trap

- [Marina Peralta-Lopez - Centre de recherche en biomedicine Strasbourg](#)

Deciphering the role of endothelial plasticity in metastasis.

- [Amandine Dupas - Centre de recherche en biomedicine Strasbourg](#)

Endothelial intraluminal protrusions drive CTC arrest during endothelial remodeling-mediated extravasation.

- [Vincent Hyenne - Université de Strasbourg](#)

Tracking tumor extracellular vesicles on their way to pre-metastatic niches

Keynote lecture Karina Yaniv

4:30 PM - 5:15 PM

Sponsors Talks - Session 1

5:15 PM - 5:45PM

**Poster session I
with some wine and cheese**

5:45 PM - 7:00 PM



October 19th 2023

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DAY 2 – Thursday

SESSION III: Neurobiology and Neurosciences

9:00 AM - 10:00 AM

Filippo Del Bene & Owen Randlett

- Jonathan Boulanger-Weill - Institut de la Vision Paris
Validation of a neural integrator circuit through correlated light and electron microscopy
- Elena Putti - Institut de la Vision Paris
LRRN2 and LRRN3a Govern Precise Retino-Tectal Circuit Formation in the zebrafish Visual System
- Adrien Jouary - Champalimaud Research
Megabouts: A toolbox for quantifying zebrafish locomotion
- Giulia Faini - Institut de la Vision Paris
Fast, efficient and flexible manipulation of neuronal activity with single cell precision
- Melina Kohler - KIT Germany
Temporal single-cell transcriptomic analysis of the sox1a:eGFP transgenic line identified the lateral floor plate progenitor cells as the origin of intraspinal serotonergic neurons

Coffee Break
Exhibition

10:00 AM – 10:30 AM

SESSION III: Neurobiology and Neurosciences

10:30 AM - 11:30 AM

Filippo Del Bene & Owen Randlett

- Feng Qan - Brain Institute Paris

Investigation of the functional roles of a human genetic factor involved in the etiopathogenesis of adolescent idiopathic scoliosis in a zebrafish model.

- Soumaiya Imarraine - Sorbonne University

Cholinergic modulation of anti-correlated activity in the aversive brain

- Elise Cau - Université Toulouse

Contribution of the eye and of opn4xa function to circadian photoentrainment in the diurnal zebrafish

- Aya Mikdache - Institut Curie Paris

sox2 and sox3 modulate the development and regeneration of the zebrafish lateral line

Session IV: Ageing and Metabolism

11:30 AM 12: 20 AM

Yoan Arribat & Aurélie Quillien

- Miguel Godinho-Ferreira - Université Côte d'Azur
cGAS-STING is required for senescence and aging in telomerase deficient zebrafish
- Prateek Chawla - Technische Universitat Dresden
"Tobe (β) or not to be (β)": a quest to investigate De NOVO β -cell regeneration
- Julian Perrin - INM Montpellier
Characterization and functional analysis of KD and KO models of the mitochondrial DNA replication gene ssbp1
- Aurélie Quillien - Restore Inserm Toulouse
Sarcosensors: new tools to detect and predict the onset and progression of sarcopenia in zebrafish.

Lunch, Poster session II
Exhibition

12:20- 2:20 PM

Session V: Infection and Immunity

2:20 PM 3:20PM

Mai Nguyen Chi & Christelle Langevin

- Pedro Hernandez Cerda - Institut Curie
Role of host-microbiota crosstalk on gut physiology
- Annette Vergunst - Université de Montpellier
Elucidating the molecular basis for the difference between persistent and acute fatal infections caused by the opportunistic bacterium Burkholderia cenocepacia in zebrafish larvae
- Audrey Bernut - LPHI Montpellier
Curcumin-mediated NRF2 induction simultaneously enhances host defense against infections and limits inflammatory damage in preclinical models of cystic fibrosis
- Raquel Lama-Lopez - INRAE Jouy en Josas
Contribution of reverse genetics and in vivo imaging techniques in zebrafish larvae to better understand spring viremia of carp virus infection

Sponsors Talk Session 2

3:20 PM -3:50 PM

Coffee Break
Exhibition

3:50 PM-4:20 PM

Session VI: Ecotoxicology and Environmental Toxicology

4:20 PM - 5:20 PM

Nadia Soussi Yanicostas & Xavier Cousin

- Audrey Phan - Recetox Masaryk University

An Adverse Outcome Pathway for Retinoid Signaling Disruption: implications for Craniofacial Malformation, Feeding Behavior, and Mortality in Zebrafish early development.

- Sara Kassir - Université de Bordeaux

Identification of obesogens using zebrafish larvae as a model

- Mélanie Blanc-Legendre - INRAE Marbec

Role of brain aromatase in mediating early and late behavioral defects in the context of endocrine disruption

- Vincenzo Di Donato - Ze Clinics

Harmonizing embryonic zebrafish Light/Dark Behavior Test for the OECD Developmental NeuroToxicity In Vitro Battery: last advances of an international consortium

- Constantin Yanicostas - Université Paris

The zebrafish: a powerful model to study the molecular and cellular basis of autism syndrome disorders

Social Event : Planet Ocean Montpellier
including private visit and cocktail

7:00 PM- 23 PM



Social Event Information

The Social Event will be held at Planet Ocean Montpellier -

Address : Planet Ocean -

Centre commercial Odysseum, All. Ulysse,
34000 Montpellier

Meeting Time : between 7:00 PM and 7:20 pm

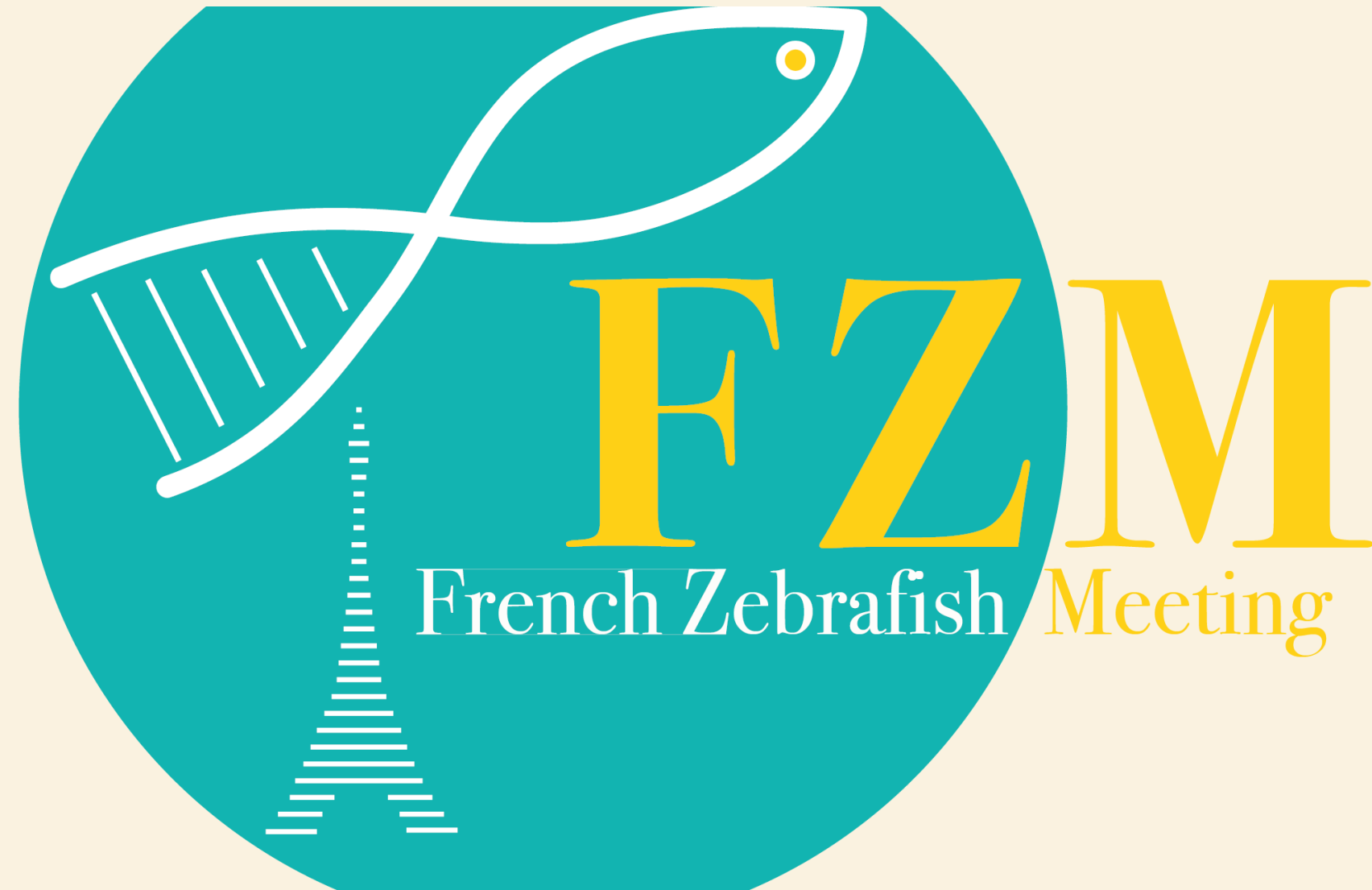
Start of visit : 7:30 pm

You will have to make your own way there.
Make sure you're there on time if you don't
want to miss the private tour of .

A **Planet Ocean aquarist** will be on hand
during the tour.

Topics will include : The role of aquariums and
zoos in the conservation of species, relations
with the world of research, the many
similarities and a few differences between the
breeding of zebrafish and Planet Ocean's
residents.

For those who wish, the evening will continue
in a pub in Montpellier. The first drink will be
offered ...



October 20th, 2023

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DAY 3 – Friday

Session VII: Regeneration

9:00AM - 10:00AM

Chris Jopling & Anabela Bensimon-Brito

- Joao Carneira da Silva - Max Planck Institute

A link between the endocardium and antigen presentation underlies zebrafish heart regeneration

- Jourdano Mauricio Mancilla Abaroa - Institut Genomique Montpellier

The ion channel Trpc6a regulates the cardiomyocyte regenerative response to mechanical stretch.

- Luisamaria Matiz - AIDFM Lisboa

Zebrafish innate immune response in cardiac valve regeneration and disease

- Valentina Cigliola - Université Côte d'Azur

Spinal cord repair is modulated by the neurogenic factor Hb-egf under direction of a regeneration-associated enhancer

- Dora Sapede - IRMB Montpellier

Zebrafish as an in vivo model to study mesenchymal stem cell regulatory effect on macrophages during regeneration

Coffee break
Exhibition

10:00AM – 10:30AM

Session VIII: Genetic diseases

10:30AM – 11:30PM

Benjamin Delprat & Guy Malkinson

- Marion Coolen- Institut Imagine Paris
Decrypting the impact of defective PRDM13 function on hindbrain development using the zebrafish model
- Christelle Golzio - CERBM-GIE IGBMC Strasbourg
Loss of autism-candidate CHD8 perturbs neural crest development and intestinal homeostatic balance
- Marion Delous - CRNL/UCBL Lyon
The zebrafish model to elucidate the pathophysiological mechanisms of a microcephalic syndrome associated with minor splicing defects
- Pascale Bomont - Institut Neuromyogène Lyon
Physiological roles of the neuromuscular junction: imaging & therapeutic development
- Elodie Richard - MNDN Montpellier
Heterozygous variants in ZFR cause neurodevelopmental alterations, intellectual disability, and microcephaly.

Closing remarks and discussion

11:30AM - 12:00 PM

Morning Parallel Session

9:00 AM - 12:00 PM

Formation: 3R's applied to the zebrafish model

2:00 PM - 5:00 PM

See Below

Lunch, Poster session III

12:00PM- 2:00PM



Parallel Session

Room 106

DAY 3 - Friday

Parallel session I :

Cryopreservation

Abdelkrim Mannioui

9:00AM -12:00AM

**Parallel session II : Environmental
enrichment**

Marie-Laure Bégout

**Parallel session II : Link between feed
and zootechnical performance**

Dimitri Rigauudeau & Christelle Langevin

**Lunch, Poster session III
Exhibition**

12:00PM- 2:00PM

Training Friday Afternoon October 20th 2023

Formation: 3R's applied to the zebrafish model

2:00PM - 5:00PM

Jerome Sarniguet & Catherine Gonzalez

2:00 pm Karim MESBAH

- Génotype et phénotype : Les exigences réglementaires

2:30 pm Jean-Philippe MOCHO

- Analgésie pour poissons zèbres

3:00 pm Karim MESBAH & Jean-Philippe MOCHO

- Points limites adaptés aux poissons zèbres

3:30 pm Karim MESBAH & Jean-Philippe MOCHO

- Sévérité des protocoles utilisant les poissons zèbres

4:00 pm Jean-Philippe MOCHO

- Euthanasie des poissons zèbres

4:30 pm Karim MESBAH & Jean-Philippe MOCHO

- Discussion

End of the Meeting

5:00PM

The schedule/programme may still be subject to change.