



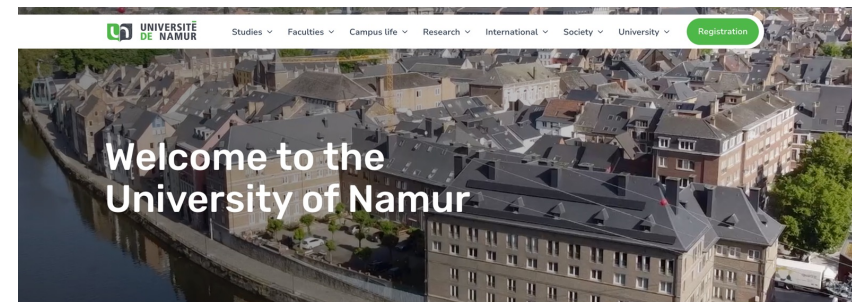
UNIVERSITÉ
DE NAMUR



The University of Namur (www.unamur.be)



- 110 000+ citizens ; lovely and peaceful city in the heart of Belgium ; political capital of the Walloon Region
- Well connected nationally and internationally
 - Brussels: 65 km
 - Paris: 300 km
 - London: 430 km
 - Amsterdam: 265 km
- Full program in biology with diverse research units (18 PIs)



UNamur–UC Davis collaboration (2008–present)

Since 2008, the partnership has facilitated exchanges for **5 PIs** and **11 graduate students**.



Across 5 main leading **UC Davis** groups:

- Dietmar Kültz** > Stress-Induced Evolution of Fish and Marine Invertebrates
- Andrew Whitehead** > Environmental, Ecological, and Evolutionary Genomics
- Andy Sih** > Behavioural Ecology
- Richard Connon (Emeritus)** > Environmental Toxicology
- Amélie Segarra** > Ecological Toxicology and Diseases
- Anne Todgham** > Environmental Physiology in a Changing Climate





Agreement of Cooperation Number 2022-21

AGREEMENT OF COOPERATION

BETWEEN

UNIVERSITY OF NAMUR
Rue de Bruxelles 61, 5000 NAMUR
BELGIUM

AND

**THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,
ON BEHALF OF THE DAVIS CAMPUS**
One Shields Avenue
Davis, CA 95616
UNITED STATES OF AMERICA



Erasmus+ International Credit Mobility

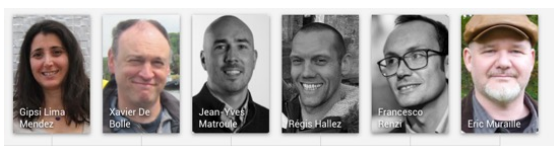
Handbook for Participating Organisations

**Each student receives 1500€ for travel
expenses and 850€ per month**

*First phase ends in June 2026 > 1 student for 6
months or 2 students for 4 months total
remaining*

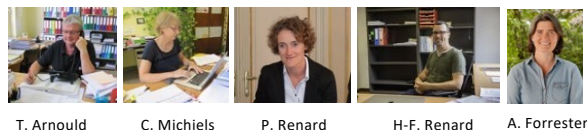
URBM

Microbiology



URBC

Molecular and Cellular Biology



URDB

Biology Education Research

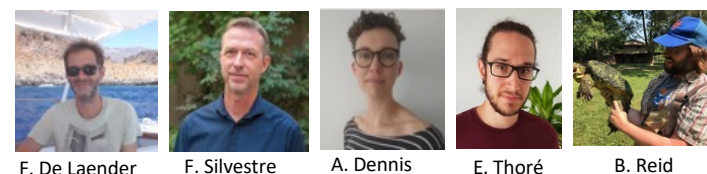


URBE

± 50 people

Environmental and Evolutionary Biology

<https://www.unamur.be/en/science/biology/research/urbe>



Community Dynamics and Ecology
Modeling

Comparative and Evolutionary
Genomics
Snails - invertebrates

Conservation Genomics
Herpetology
Museum Genomics

Evolutionary and Adaptive Physiology
Environmental Epigenomics
Aquatic Ecotoxicology

Behavioral Ecology
Aquatic Ecotoxicology

The mangrove rivulus: *Kryptolebias marmoratus*



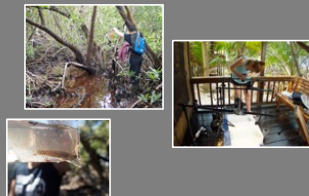
- Distinctive feature: the only self-fertilizing vertebrate
- Interest: to investigate the roles of epigenetics in adaptation and evolution

The turquoise killifish: *Nothobranchius furzeri*



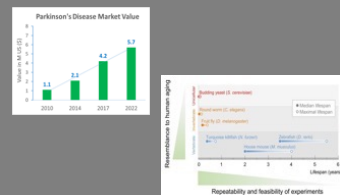
- Distinctive feature: the shortest life-span among model vertebrates
- Interest: ageing processes; interactions between neurotoxicant and ageing; models of neurodegenerative diseases (ND)

Field biology



Evolution of natural populations with low genetic diversity ; conservation epigenetics

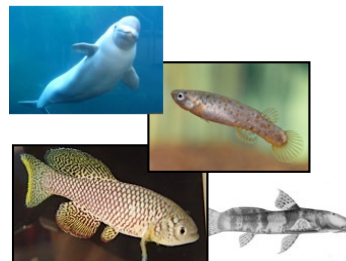
Ecotoxicology



Long-term effects of pollutants (neurotoxicants, EDCs,...) ; epigenetic biomarkers

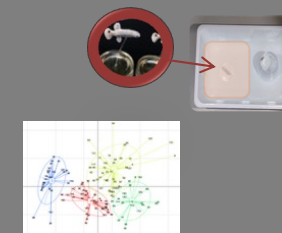


How organisms respond, adapt, and evolve under environmental change



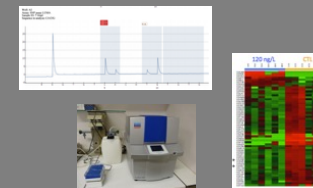
www.evolution-physiology.be
@fsilvestrelab

Behavioral phenotyping



Behavioral individuality of personality traits

Molecular mechanisms



Roles of epigenetics in adaptation and evolution

Beluga Whale from St. Laurent: *Delphinapterus leucas*



- Distinctive feature: endangered species in the St. Laurent river
- Interest: to develop epigenetic clock to assess the health status of the St. Laurent population

Astroblepus fish from Ecuador: *Astroblepus* sp.



- Distinctive feature: endemic species in Andes mountains
- Interest: to develop population epigenetics in an altitudinal gradient

Why to travel overseas ?

- To gain international experience for your CV
- To learn new techniques/workflows and work on new model species
- To think of new scientific questions
- To develop a personal international network
- To learn other languages
- To visit Europe



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