

Program

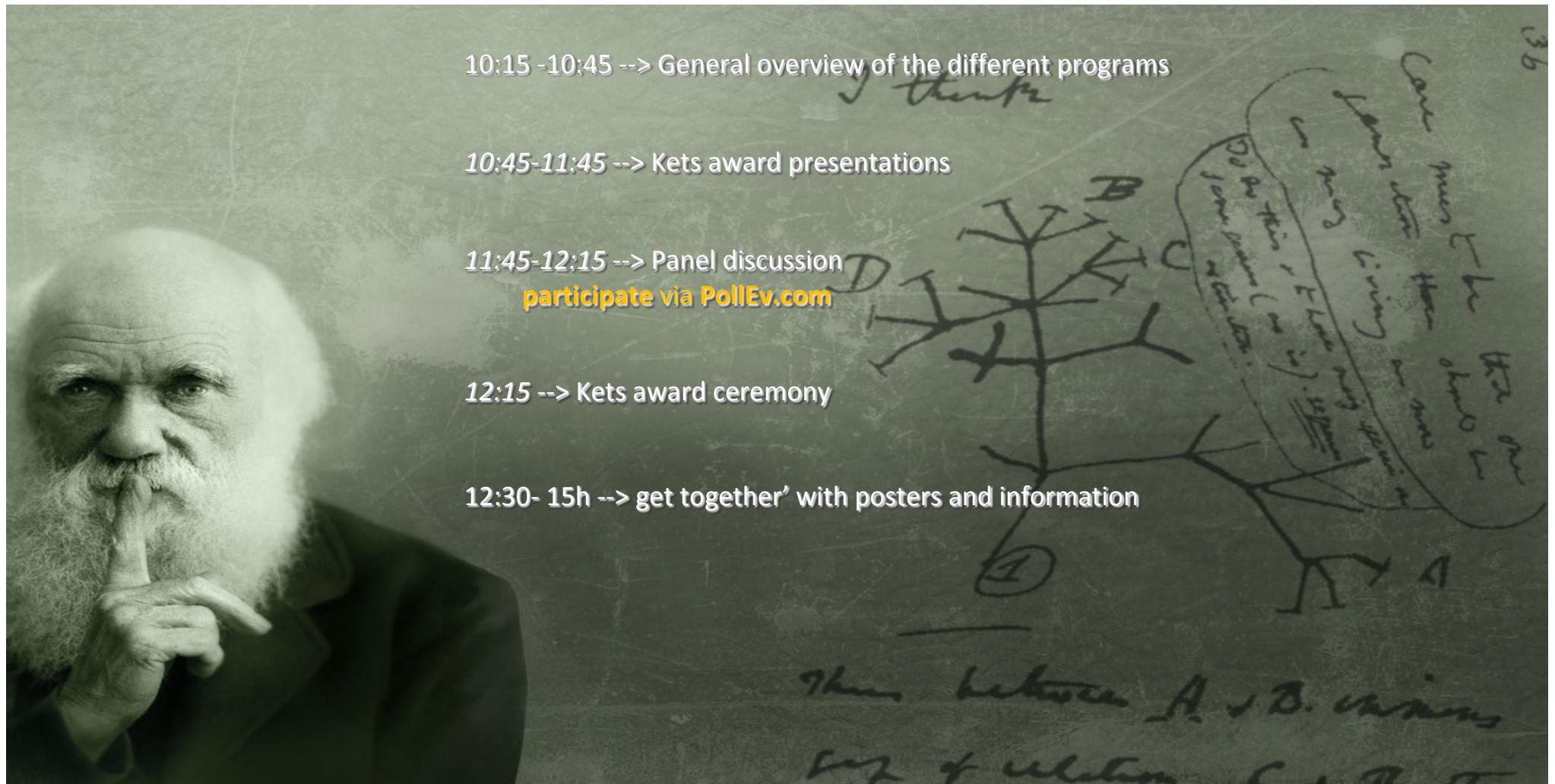
10:15 -10:45 --> General overview of the different programs
→ thanks

10:45-11:45 --> Kets award presentations

11:45-12:15 --> Panel discussion
participate via PollEv.com

12:15 --> Kets award ceremony

12:30- 15h --> get together' with posters and information





universiteit
►hasselt



UMONS
Université de Mons



KU LEUVEN



Vrije
Universiteit
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UG



Royal Belgian Zoological Society

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**THANK
YOU**

Master program representatives

Dr. Patricia Supply

- Director of RBINS

Organizing committee

- Liesbet Temmerman
- Ellen Decaestecker
- Patricia Mergen
- Philip Helsen
- Bruno Frederich
- Frédéric Silvestre

RBINS staff

- Guards and Isabelle Van Loo

You

Some criteria to take into consideration before choosing a master :

- Title and main purpose of the master
- More generalist or specialized ?
- What finality ?
- What is the common core ?
- What are the options ?
- Opportunities of MSc thesis ? Duration ?
- What are the main laboratories and professors involved ?
- Opportunities to travel and/or internship ?

- Main language ?
- Which city ? **Networking** ?
- Professional opportunities ?



→ *Act like a professional with an open mind*

Master thesis research in collaboration with research institutions

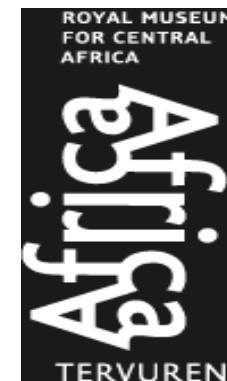
(1. KU Leuven, 2. UGent, 3. ULiege, 4. UNamur, 5. UAntwerpen, 6. UCL,
7. ULB, 8. VUB, 9. UMons, ask at booths)

Unique (International) Master programs

- 10. TROPIMUNDO
- 11. Oceans and Lakes
- 12. IMBRSea
- 13. Sustainable Development
- 14. Nematology
- 15. Aquaculture



**Botanic Garden
Meise**



Master in Biology: 120 credits

Common core - Advanced Biology - Elective courses

Ma thesis (30 credits)

Different universities ...



... different trajectories towards a career in:



RESEARCH



**PROFESSIONAL
MANAGEMENT/ENTREPRENEURSHIP**



EDUCATION

Bachelor
(180)

- Min 165cr to start the master
- Complement of max 60cr for some bachelor degrees



Master

Master 60

Master 120

1. *Approfondie (research)*
2. *Spécialisée (profession) ; name+specialization*
3. *Didactique (teaching)*

- BOE (*Biologie des Organismes et Ecologie*)
- BBMC (*Biochimie et Biologie Moléculaire et Cellulaire*)
- Oceanography
- Environmental Science and Management
- Molecular Microbiology
- Bioinformatics and Modeling

- Choose one finality of 30cr
- 120cr min
- Common core
- Elective courses (options)
- Research thesis of 30cr max

Specialized
Master

- 60cr min
- Aquaculture
- Genomics
- ...

Master Day in Biology 2019

<https://www.enseignement.uliege.be>



1. Biology of Organisms and Ecology

Lot of field works in Belgium and abroad (France, Germany, Romania, Japan, Madagascar...) -

Four modules - Ethology, Ecology, Ecotoxicology & Conservation



2. Environmental Science and Management

Campus of ARLON - Five modules: Renewable energies (partnership with U. Luxembourg) , Water resources management, Developing countries (partnership with U. Sherbrooke - Québec),...



3. Oceanography

Field works in Corsica (STARESO) - (a) Biogeochemistry & Climate change, (b) Marine ecology and Biodiversity, (c) Modeling and Operational oceanography



4. Biochemistry & Molecular and Cell Biology

Two internships (local & international or industrial environment) -

Topics: Genomics, Systems Biology, Physiology, Microbiology,...



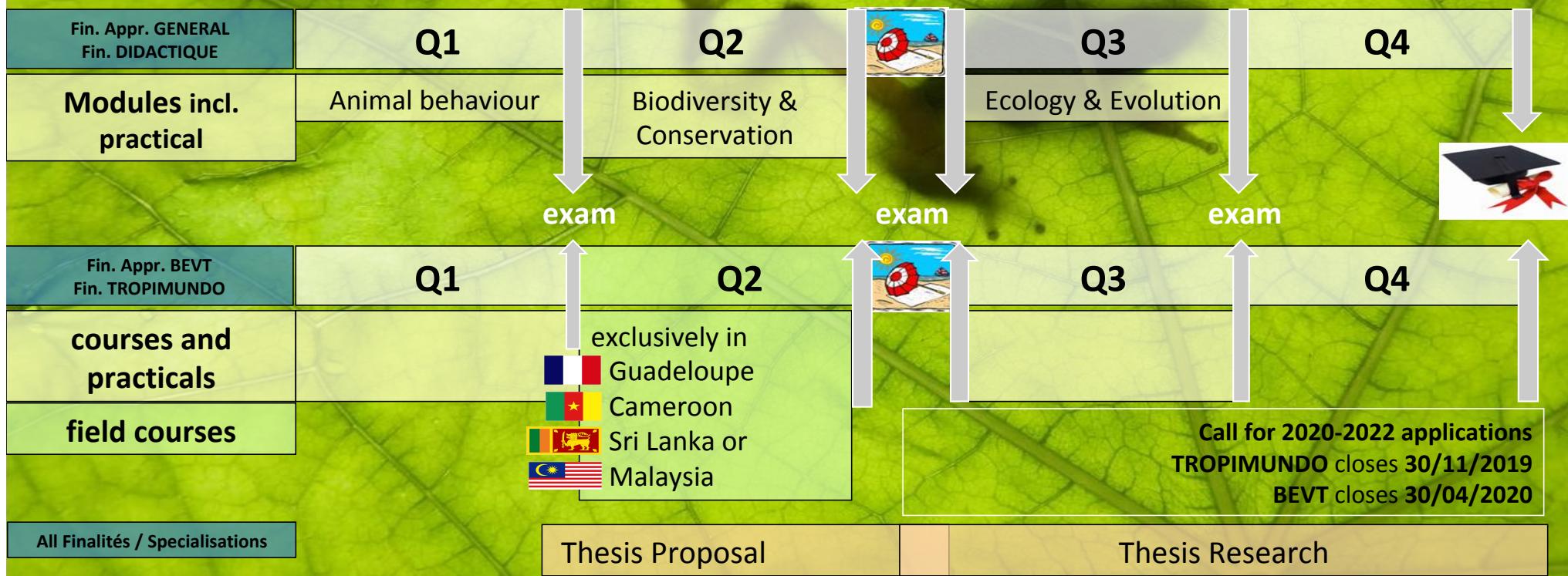
5. Bioinformatics and Modeling

Designed for biologists - One or two years (75 or 120 ECTS)

Master in Organism Biology and Ecology

Specialisations:

- Didactique: Didactics/education
- Approfondie: General/research, BEVT/research
- TROPIMUNDO: research



• Contact: Farid Dahdouh-Guebas secrdbo@ulb.ac.be

Master in Biochemistry and Molecular and Cellular Biology

Specialisations:

- Approfondie: Research
- Didactique: Didactics/education

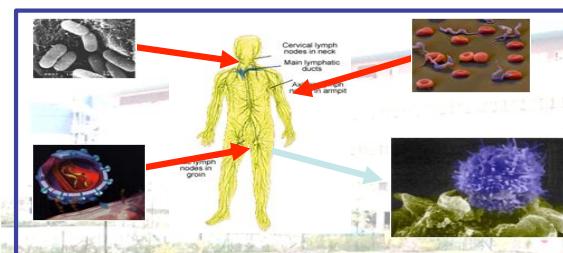
Functional genomics



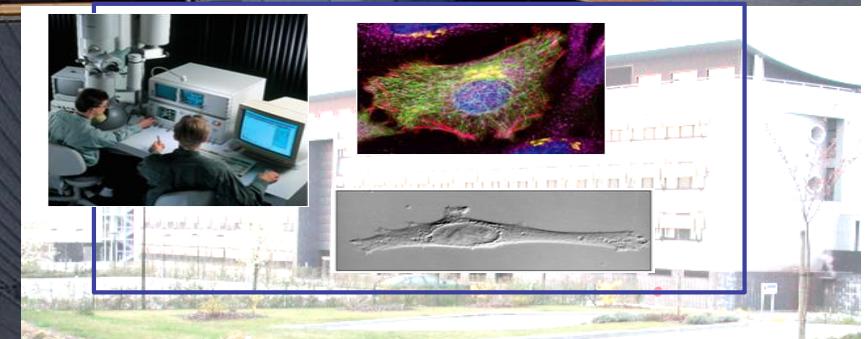
Pathologies

Cellular Biology - imaging

Host-parasite relations



Therapies



• Contact: Prof. Benoit.Vanhollebeke@ulb.ac.be

Master in Bioinformatics and Modeling

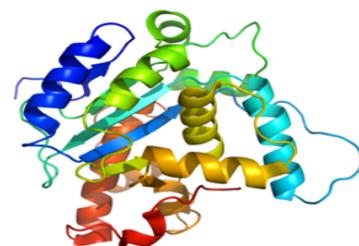
Interdisciplinary approaches combining
biology, computer science, and mathematics/statistics

Accessible to biologists as well as to computer scientists

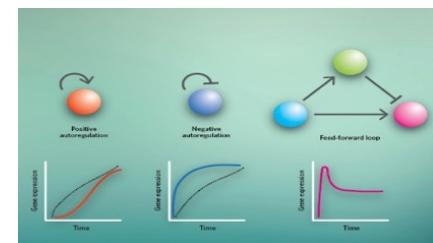
Genomics, Proteomics,
Evolution



Biophysics & Structural
biology



Modeling dynamics of biological
systems



Block 1 (year 1, 60 ECTS)

'Update' courses
(10 ECTS)

Basic bioinformatics courses
(50 ECTS)

Advanced courses
(options)
(25 ECTS)

Block 2 (year 2, 60 ECTS)

Internship
(10 ECTS)

Master thesis
(25 ECTS)

Possibility to do the master in one year (60 ECTS) for candidates who already hold a master

Informations: <http://www.bioinfomaster.ulb.ac.be>

Contact: D. Gonze (dgonze@ulb.ac.be)



TROPIMUNDO



ERASMUS MUNDUS JOINT MASTER DEGREE IN TROPICAL BIODIVERSITY AND ECOSYSTEMS

Erasmus Mundus is the EC's
only educational **excellence**
brand label



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2020-2022 scholarship application deadline **30/11/2019**



VRIJE
UNIVERSITEIT
BRUSSEL



Université
de Guyane

UR | UNIVERSITÉ
DE LA RÉUNION



Brussels, Belgium

Université Libre de Bruxelles - ULB
Vrije Universiteit Brussel - VUB

Paris, France

Sorbonne Université - UPMC
Muséum National d'Histoire Naturelle - MNHN

Florence, Italie

Università degli Studi di Firenze - UNIFI

Fr. Guyana-Amazonia

Université de Guyane - Udg

Fr. West Indies-Caribbean

Université des Antilles - Uda

Cameroon

Université de Dschang – UDSch

Madagascar

Université d'Antananarivo – UNIVANTA

Reunion Island

Université de La Réunion - UNIRé

Sri Lanka

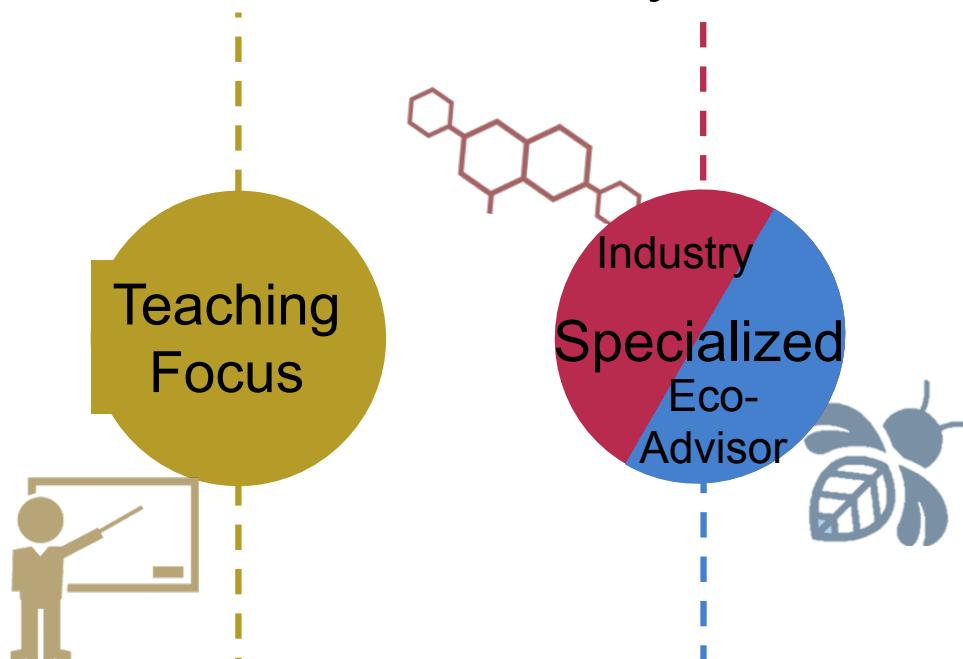
University of Ruhuna - RUH

Malaysia

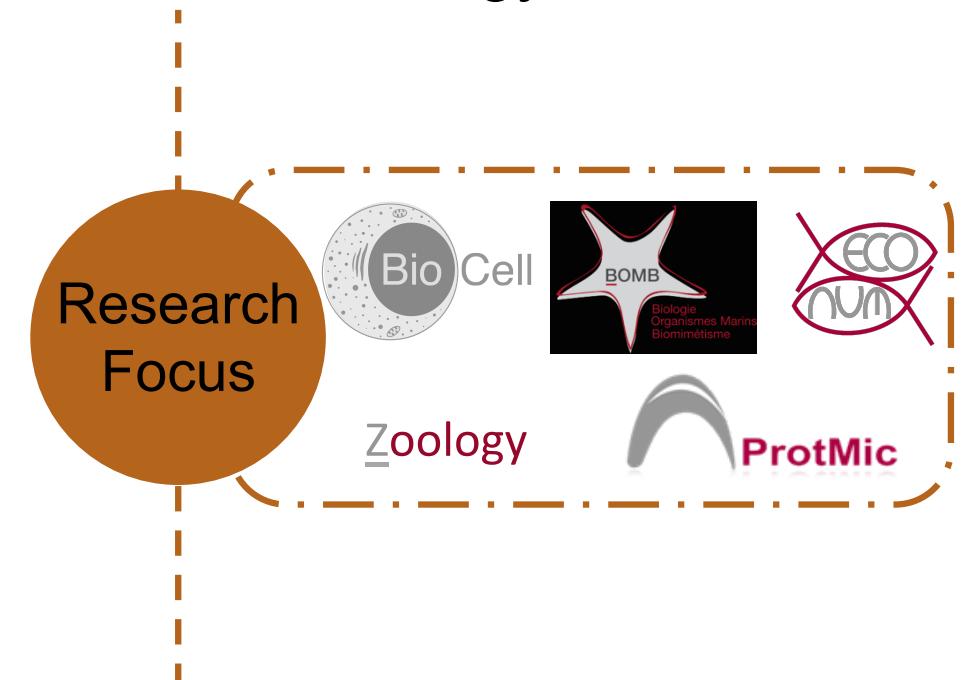
Universiti Malaysia Terengganu - UMT

MASTER IN BIOLOGY

➤ Biochemistry, Cellular & Molecular Biology



➤ Biology of Organisms & Ecology





Faculté
des Sciences

MASTER IN BIOLOGY

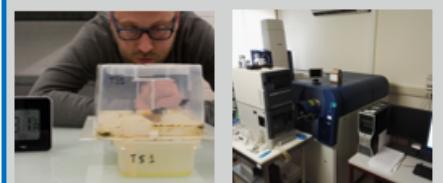
UMONS
University of Mons



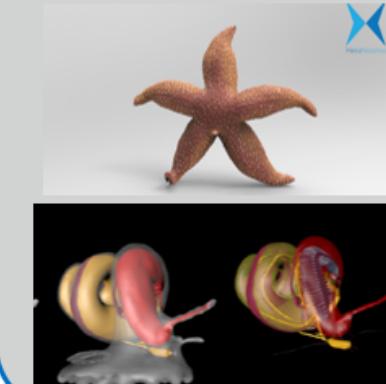
Research and teaching in
one campus



Specific equipment

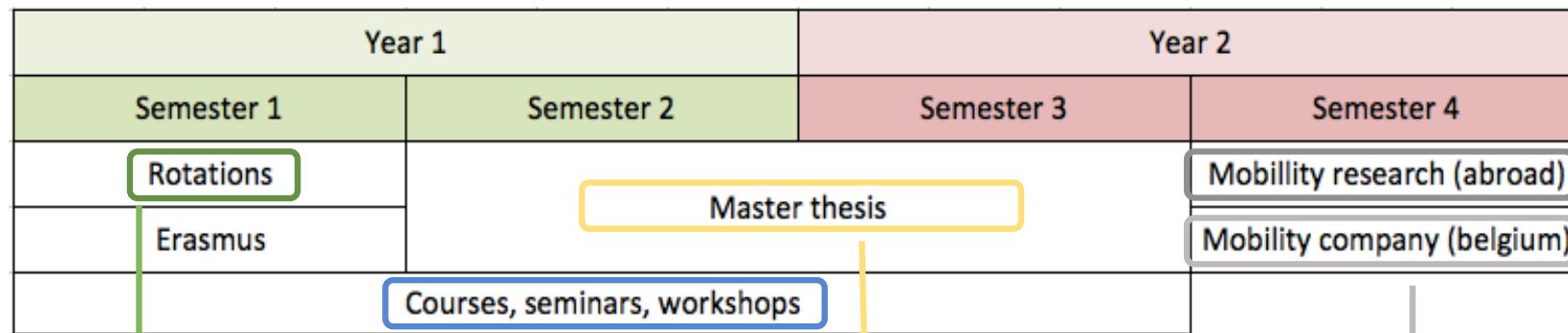


New teaching approaches



International





- 3 mini-stages of 2 weeks in various laboratories
- objective: choice of master thesis

- biochemistry, molecular and cellular biology of microorganisms, plants, animals
- iGEM synthetic biology competition
- building a research project
-



- research project at the LIBST institute (Louvain-la-Neuve)

- 3-4 months of research abroad (academic environment)
- Or**
- 3 months of research in industry in Belgium or north of France

Informations : pierre.morsomme@uclouvain.be

Master in Organism Biology and Ecology (120cr)

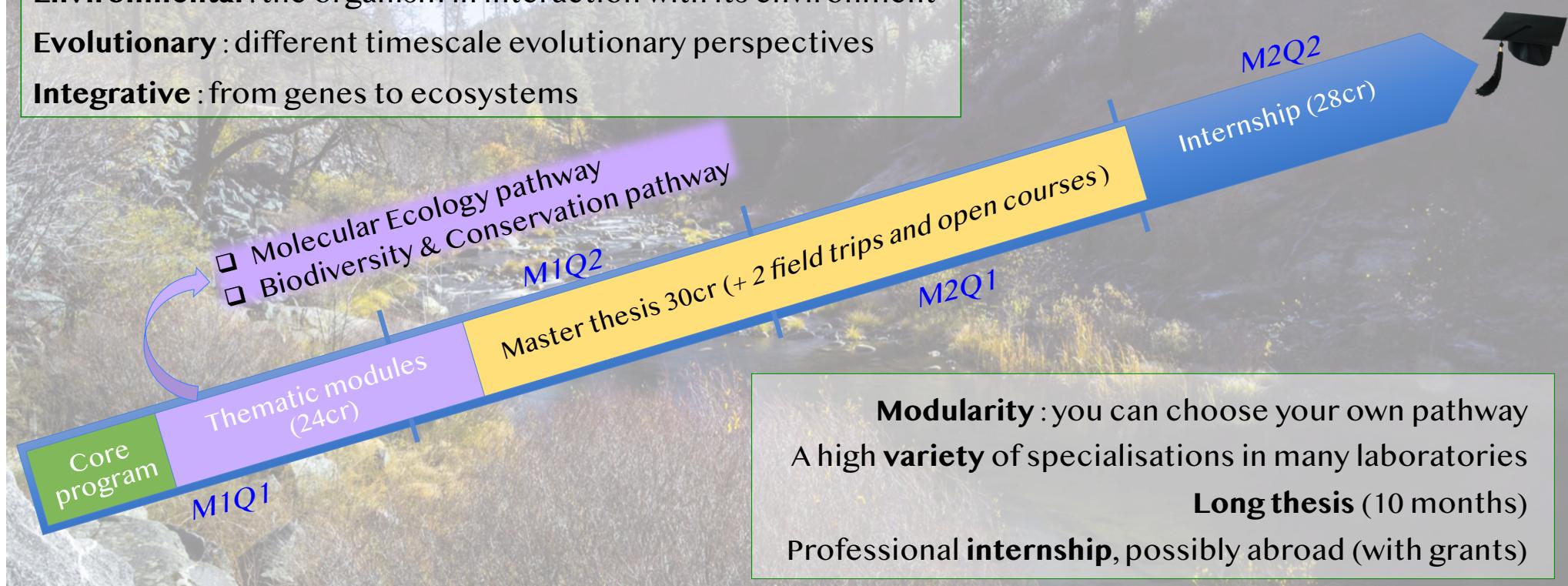
www.masterboe.be

Comparative : focused on many different species

Environmental : the organism in interaction with its environment

Evolutionary : different timescale evolutionary perspectives

Integrative : from genes to ecosystems



Master in Biochemistry and Molecular and Cell Biology

Important training in « Cancer, Aging, Metabolism, Stem Cells »

Strengths

- A strong theoretical education (some courses taught in English)
 - Master 1 : Modules (select 9 out of 22 modules organized)
 - Master 2 : Specialized scientific training (8 c) and professional insertion training (6c)
- A solid practical training (10-month **Master thesis**)
- A 4-month initial professional experience in a company or a research laboratory : **Internship**

Time line

Master 1 (60 c)

Courses

Internship in industries



Master 2 (60 c)

Master thesis (30 c)

Courses

Research internship in prestigious universities



Internship (30 c)

Teaching : interactive small groups



Career prospects

Research in universities

Education

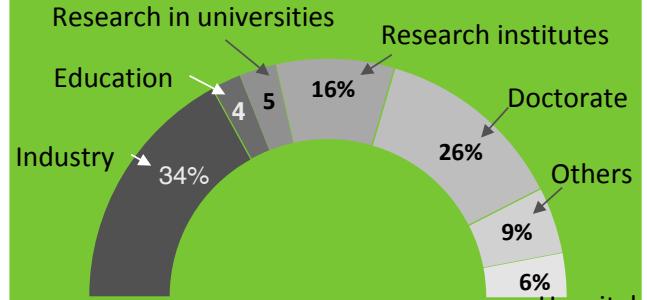
Industry

Research institutes

Doctorate

Others

Hospital



> 80 % of students are employed within a 6-month period post graduation (n= 185).

Master in Molecular Microbiology (MMM)

- **120 ECTS, fully in English**
- **Focussed on Molecular Bacteriology**

Genetics
Biochemistry
Molecular cell biology
Infection biology
Synthetic and applied biology

- Research-oriented : three semesters of lab research
- Master thesis in cutting edge research labs
- Student mobility strongly encouraged
- Training abroad or in a company in the last semester