

3 GRADUATE PROGRAMMES OF EXCELLENCE IN LILLE

SCIENCE FOR A CHANGING PLANET (7 MA programmes)

PRECISION HEALTH (1 MA programme)

INFORMATION & KNOWLEDGE SOCIETY (10 MA programmes)

- **interdisciplinary training** for research by doing research in a **stimulating scientific environment**
- specialised training for cooperation with the **private sector**
- **international** mobility
- international thematic **summer schools**

WITHIN THE 14 ESTABLISHMENTS OF THE LILLE CONSORTIUM



CONTACT

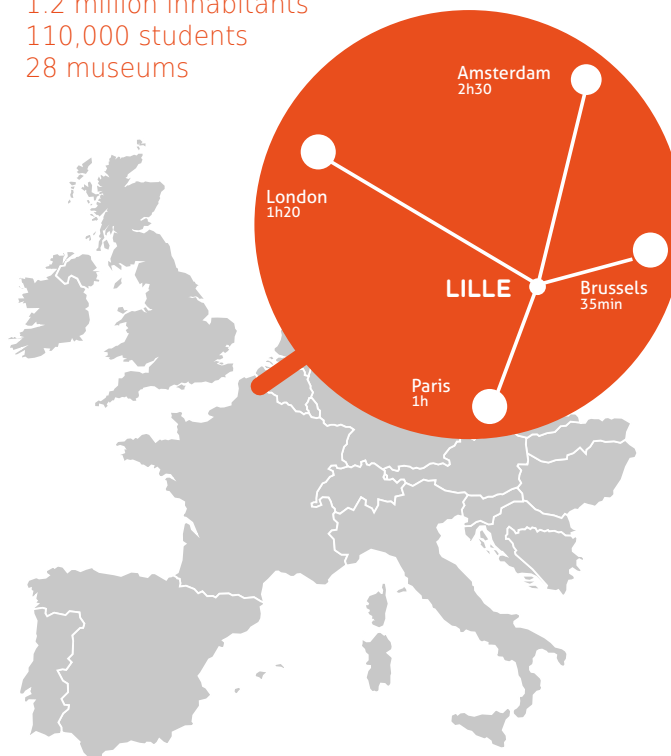
Coordinator of the Graduate Programme 'Precision Health':

✉ anne.tailleux@univ-lille.fr

More information:
<http://www.isite-ulne.fr/index.php/en/graduate-programme-health/>

LILLE, A VIBRANT CITY AT THE HEART OF NORTHERN EUROPE

1.2 million inhabitants
 110,000 students
 28 museums



GRADUATE PROGRAMME

PRECISION HEALTH



A SPECIALISED MASTER'S DEGREE IN LILLE, FRANCE

NEUROSCIENCES Health economics
 HEALTHY AGING
 Cardiovascular diseases Big Data ETHICS
 GENOMICS IMAGING CANCER
 OBESITY
 INFLAMMATION Epidemiology
 AI
 INFECTION DISCOVERY
 PRECISION MEDICINE
 NUMERIC HEALTH
 PREVENTION
 SYSTEMS BIOLOGY E-medecine
 Patients ALZHEIMER
 COHORTS Biotherapy
 Diabetes
 Biotherapies
 innovative treatments
 Neurodegenerative diseases
 PREDICTION
 DRUG
 research Clinical
 Trans-OMICS IMMUNITY
 MODELISATION EXPOSOME MEDICAL DEVICES

TRAINING FOR RESEARCH BY DOING RESEARCH FOR MASTER'S & PhD STUDENTS





OUR CHALLENGES:

promoting **SYSTEMS BIOLOGY** and **PRECISION MEDICINE**

catalysing **DIGITAL REVOLUTION** in biomedical research

maximizing the impact for **PATIENT** and **SOCIETY**



- **International course** open to students from **scientific, medical/pharmaceutical** and **(bio) informatics** educational background
- **Interactive seminars** given by experts in the fields of **multi-OMICS, artificial intelligence, mathematic modelling of biological systems, state-of-the-art therapies** (medical devices and personalised drugs), **cohort management, healthcare economics and ethics**

From OMICS
to systems biology

Novel Mode of actions
for personalized drugs

Imaging

Medical devices

Molecular basis of diseases
and treatments

**Master Biology & Health
Precision Health**

From cohorts
to cutting-edge researches

Artificial Intelligence

Public policy
and health economics

Mathematic modeling
of living organisms

Ethics, health and society

- Application examples from the leading themes of the research sector: **cancer, diabetes, neurosciences, infection/immuno/inflammation**), justifying a precise approach over the long term, **from screening to the prevention of complications**
- A particular focus towards the **business world** and **bioentrepreneurship**
- A 6-month **training in research through research** given in internationally recognized laboratories
- **PhD fellowships** awarded to students motivated to pursue their research training

Contact: anne.tailleux@univ-lille.fr
<http://master-biologie-sante.univ-lille.fr/>

A stimulating scientific environment within the 'precision health' hub:



**81 TEAMS
IN 32 LABORATORIES**



409 PHD STUDENTS



592 PERMANENT RESEARCHERS



INTERNATIONAL ENVIRONMENT



900 PUBLICATIONS PER YEAR



CUTTING-EDGE EQUIPMENTS
in biology, chemistry, bioinformatics...
State of the art imaging and OMICS
facilities



INDUSTRIAL PARTNERSHIPS:
Industrial chairs, Eurasanté,
PreciDIAB Initiative...

