Interfaculty & interdisciplinary program in translational medicine

Lecturer
Hilde STEVENS (Coordinator)

Course mnemonic
PHAR-J902

ECTS credits
10 credits

Language(s) of instruction
French

Course period
Second term

Campus
Erasme

Course content

The course consists of:

- 5 Sessions of online lectures and debates on challenges and future transformations of medicine and healthcare systems
  Fridays in February and March, 9 a.m. - 5 p.m.: Zoom webinars and recordings
  - Module 1 - Collaboration for innovation
  - Module 2 - Patient-centred clinical research
  - Module 3 - Healthcare Economics & Management
  - Module 4 - Sustainable Development in the COVID-19 Era - Universal access to health
  - Module 5 - Other big health challenges
- 1 Meet the expert day when students have a chance to interact with healthcare leaders
  Friday March 25th, 9 a.m. - 5 p.m.: ULB Erasme Campus
- 1 interactive workshop: The life cycle of drug development: board game
  Saturday March 12th (half-day AM or PM): Online via Zoom
  Mandatory for participants following the certificate track - Optional for other participants
- 1 interactive workshop: Negotiating Intellectual Property agreements
  Saturday March 26th (half-day AM or PM): ULB Erasme Campus
  Mandatory for participants following the certificate track - Optional for other participants

Objectives (and/or specific learning outcomes)

The objective of the course is to prepare the next generation of healthcare professionals to be able to face new challenges of precision patient-centric practice. We provide them with a basic knowledge and a holistic vision of the complex processes that translate scientific advances into novel standards of care.

The course consists of interactive sessions led by experts from academia, public health organizations, private companies and patient representatives. Through lectures, quizzes, workshops and an online learning platform students can achieve competencies which address a variety of scientific, business, management and social issues.

Topics covered during the course include:

- The main strategies and tools for the prevention and treatment of disease states;
- The main types and principles of healthcare systems worldwide;
- The basic principles of healthcare economics and management;
- The multiple steps and key principles in the development of health technologies;
- The basics of data and knowledge generation in healthcare;
- The new innovation models and career opportunities in healthcare.

The students understand the need for interdisciplinarity and convergence of medicine, life sciences and physical sciences, engineering and management, from basic research to patient-centric care, including (pre)clinical research, development of medicines and medical devices, healthcare organization, management and economics.

Teaching method and learning activities

College - Interactive discussions with experts - Case study workshops to stimulate interaction between students coming from different disciplines.

Our innovative educational program is offered to

- Master and PhD students
- Post-doctoral fellows
- Medical specialists in training
- Professionals

Contribution to the teaching profile

- Basic knowledge of the interdisciplinary skills that will shape the future of medicine;
- Understanding the respective roles of the different stakeholders in healthcare;

- Unique opportunities to interact with experts and colleagues from a wide range of disciplines and environments.

References, bibliography and recommended reading

Recommended articles are provided via the e-platform to the students.

Other information

Place(s) of teaching

Erasme

Contact(s)

Hilde Stevens, hstevens@i3health.eu
ULB CP 618
Route de Lennik 808, B-1070 Brussels
www.i3health.eu [http://www.i3health.eu/]

Evaluation method(s)

Other

Evaluation method(s) (additional information)

Students are given the opportunity to choose between two tracks:

- 5 ECTS: Written exam:
  - Multiple Choice Questions (100%)
  - Opportunity for continuous self-evaluation via quiz
- Certificate in Healthcare Innovation (Translational Medicine):
  - Written exam: Multiple Choice Questions (35%)
  - Case study (65%): group work, mini-dissertation max. 10 pg (35%), group defense (30%)
  - Peer review assessment
  - Opportunity for continuous self-evaluation via quiz

Main language(s) of evaluation

English

Programmes

Programmes proposing this course at the faculty of Pharmacy

MA-PHAR | Master in Pharmacy | finalité Professional/unit 2