

Session 1: Setting the scene of translational medicine

Coordinators: Michel Goldman, Bruno van Lierde, Hilde Stevens and Samia Laokri

Invited faculty:

- Richard Barker, Centre for the Advancement of Sustainable Medical Innovation (Oxford University and University College, London)
- Bruno Flamion, University of Namur
- Magda Rösenmoller, IESE, Barcelona

ULB Faculty: to be defined

Friday pm

Introduction to evidence-based, precision and preventive medicine

Saturday am

Introduction to health technologies (biopharmaceuticals, medical devices, diagnostics)

Saturday pm

Healthcare systems worldwide (interactive workshop)

Session 2: The development of health technologies

Coordinators : Jean-Louis Vincent & Bruno Flamion

Invited faculty:

- Hans-Georg Eichler, European Medicines Agency
- Matthias Neyts, Belgian Healthcare Knowledge Center
- Dimitrios Tzalis, Taros Inc., Germany
- Gigi Hirsch, Center for Biomedical Innovation, MIT

ULB faculty: to be defined

Friday pm

From basic research to patient access

Saturday am

Introduction to regulatory science

Saturday pm

Risk-benefit assessment in healthcare (interactive workshop)

Session 3: Innovation models in healthcare

Coordinators: Bruno van Lierde and Hilde Stevens

Invited Faculty:

- Edouard Croufer, Croix-Rouge de Belgique,
- Magda Papadaki, UK Innovate, London

ULB Faculty: to be defined

Friday pm

The value chain and intellectual property in drug development

Saturday am

Open Innovation and partnerships for health

Saturday pm

Development of Advanced Therapy Medicinal Products (interactive workshop)

Session 4: Knowledge and data management in healthcare

Coordinators: Bruno van Lierde and Hugues Bersini

Invited Faculty:

- Dipak Kalra, European Institute for Health Records
- Bart Vannieuwenhuyse, Johnson&Johnson

ULB faculty: to be defined

Friday pm

e-Health, mobile Health and Big Data for health

Saturday am

Data sharing and data privacy in healthcare

Saturday pm

Redefining diseases (Interactive workshop)

Session 5: Access to health technologies around the world

Coordinators: Michel Goldman and Samia Laokri

Invited Faculty:

- Panos Kanavos, London School of Economics
- Lisa Bonadonna, GSK
- Michel Kazatchkine, University of Geneva
- Mary Baker, European Brain Council

ULB faculty: to be defined

Friday pm

Patient centricity and societal perspectives

Saturday am

Global Health challenges

Saturday pm

How to address emerging viral infections (Ebola, Zika): interactive workshop

Session 6: Healthcare as a business

Coordinators: Bruno van Lierde and Olivier Witmeur

Invited Faculty:

- HeeJung HeeJung, Imperial College, London and Toronto University –
- John Metselaar, J-Met Connect

ULB faculty: to be defined

Friday pm

Healthcare management for growth: the lifecycle of a new venture

Saturday am

Entrepreneurship and leadership in healthcare

Saturday pm

Case study to be defined (interactive workshop)

COMPLEMENTS IN TRANSLATIONAL MEDICINE (10 ECTS)

Pre-clinical research

- In vitro and in vivo models of diseases*
- Elements of medicinal chemistry*
- Monoclonal antibodies and other biotechnology products*
- Identification of drug targets*
- Drug screening including High Throughput Screening*
- Toxicology*
- Manufacturing of drugs and biopharmaceuticals*
- Data interpretation*
- Biostatistics*

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Clinical research

- Clinical trial designs*
- Biomarkers (omics and imaging)*
- Biobanks*
- Ethics and regulation*
- Clinical trials in infants and in elderly people*

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Translational Immuno-microbiology

Translational Oncology

Translational Gastro-enterology

Translational Neurology

Translational Diabetology

Translational Cardio-pneumology