

# Principles of Biosafety International Course 2017

## **PART 1**

### **Monday 11 September 2017- UAntwerp**

- **Welcome** - M. Clerinx (UAntwerp)
- **How Biosafety started** (theory) - D. Breyer (SBB)
- **Regulatory framework** (theory) - D. Breyer (SBB)
- **An introduction to risk assessment** (theory) - R. Custers (VIB)
- **Risk assessment** (case study) -P. Rüdelsheim (Perseus), N. Willemarck (SBB)
- **The biosafety Structure in an organization: parties and responsibilities** (theory) - P. Rüdelsheim (Perseus)
- **Introduction to risk management** (theory) - N. Willemarck (SBB)
- **Risk management: infrastructure** (theory) - N. Willemarck (SBB)

### **Tuesday 12 September 2017- Institute of Tropical Medicine**

- **Risk assessment** (case study) – P. Staugaard, M. Vaerewijck (UGent)
- **Risk management: good microbiological practices** (theory) - M. Vaerewijck (UGent)
- **Risk management: decontamination** (theory)- K. van der Meulen (Perseus)
- **Risk management: waste management** (theory)- A. Konings (Indaver)
- **Risk management: biosafety cabinets** (theory) - P. Staugaard
- **Risk management in practice** (rotating excercises) – P. Staugaard (PPE), A. Vergauwen (Biosafety Cabinets), K. van der Meulen (Spills)

## **PART 2**

### **Wednesday 13 September 2017 – Institute of Tropical Medicine**

- **Welcome** - K. Anthonis (ITM)
- **Keynote: re-emerging diseases and biosafety** - L. Rigouts (ITM)
- **Infrastructure and containment (theory)** - W. Kempenaers (Perseus)
- **Decontamination, waste inactivation and validation** - H. Imbrechts (CODA)
- **Movement of biological material (theory)** - K. van der Meulen (Perseus)
- **Incidents and accidents, emergency planning** - K. Anthonis (ITM)

### **Thursday 14 September 2017 – UAntwerp**

- **Key note: genetic modification, new techniques and biosafety** – K. Pauwels
- **Biosecurity (theory)** – R. Bleijs (Bureau Biosecurity, NL)
- **Biosafety: general principles in different settings**
  - **Cell culture laboratories** – R. Custers (VIB)
  - **Animal facilities** – K. van der Meulen (Perseus)
  - **Biosafety ‘off site’** – S. Abdellati (ITM)
  - **Large scale production/GMP vs biosafety** – A. Van Broekhoven (UAntwerp)
- **Implementation of a biorisk management system (theory)**

## **TOUR on Friday**

### **Friday 15 September 2017 – Institute for Tropical Medicine**

- **Introduction**
- **Tours and exercises at ITM**
  - Insect Facility
  - HVAC area L2 and L3
  - Animal facility
- **Professional organisations in biosafety** – D. Beeckman
- **Poliopolis, studying a new polio vaccine** – H. Revets (UAntwerp)