



*Friday March 17, 2023*

*Rodebol, Gent*

## **Program**

### **Registration & Lunch**

12:00 - 12:45     **Lunch**

### **Welcome**

12:45 - 13:00     **Welcome addresses**

### **Session 1. RNA vaccine development in the Ghent region**

13:00 - 13:45

#### **RNA design**

Niek Sanders and Richard Hoogenboom (UGent)

#### **GMP facilities - support vaccine development towards clinical trials**

Bart Vandekerckhove (UZGent)

#### **Ziphius: A biotech perspective**

Leonie Wyffels (Ziphius)

#### **eTheRNA: A biotech perspective**

Stefaan De Koker (eTheRNA))

### **Session 2. Gene Therapy: Optogenetic therapy in epilepsy**

13:45 - 14:45

#### **Optogenetic neuromodulation in epilepsy: a clinical perspective**

Paul Boon (4Brain, UZGent)

#### **Organic electronics for neural interfaces**

Georgios Spyropoulos (UGent)

#### **Soft probes for optical stimulation in biomedical applications**

Jeroen Missinne (imec-UGent)

#### **Photo-responsive polymers serving biomedical applications**

Sandra Van Vlierberghe (UGent)

#### **Optogenetic suppression of seizures in animal models for epilepsy**

Robrecht Raedt (4Brain, UGent)

### **Coffee and Networking Break**

### **Session 3: Innovation in CAR-T cell production, evaluation and manufacturing**

15:30 – 16:30

#### **Novistem: an allogeneic CAR T-cell platform**

##### **Maturation of T-cells**

Tom Taghon (UGent)

**Nanodelivery photoporation**

Kevin Braeckmans (UGent)

**TRINCE: high throughput single cell transfection machinery**

Philip Mathuis, CEO

**Cartagena: a CAR-T cell evaluation platform**

**A high-throughput lab-on-chip for CAR-T single cell screening and selection**

Johan Devenyns

**Legend: an industrial CAR-T manufacturing hub in Ghent**

**Industrial CAR-T manufacturing**

Birk Vanderweeën

**Session 4: Clinical trials of cell and gene therapy**

16:30 – 17:15

**Biobanking, Tissue bank UZ Gent**

Bruno Verhasselt (UZGent)

**Innovation support for clinical research in ATMP's: FAMHP perspective**

Christophe Lahorte (FAMPH)

**Antisense oligonucleotide therapeutics in clinical trials for the treatment of inherited retinal disorders**

Caroline Van Cauwenbergh (UZGent)

**The future of ATMP**

17:15 – 17:45

**ATMP in Belgium: challenges and opportunities**

Sylvie Ponchaut, (BioWin)

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