



# New scientific impulses towards 3R Alternatives

*-Methods to replace, reduce and refine animal use-*

Monday, 25<sup>th</sup> September 2017  
Auditorium R.Vanden Driessche  
VUB - CAMPUS JETTE

09:15 Registration and welcome coffee

**09:45 Welcome**, Prof. Peter in't Veld, Dean of the faculty of Medicine and Pharmacy, VUB

**09:50 Introduction**, Mrs Bianca Debaets, Brussels State Secretary

**10:00 Why a 3Rs- Innovation Centre at the VUB, Campus Jette?** Prof. Vera Rogiers, IVTD, VUB

**10:15 The essential role of platforms in the dissemination of alternative methods,**

*Dr. Bernward Garthoff, Chair of BIO.NRW*

## INNOVATIVE CELL CULTURE MODELS

### STEM-CELL BASED

**10:30 Stem cell-based *in vitro* models: where are we today?** Prof. Joery De Kock, IVTD, VUB

**11:50 Human skin stem cell-derived hepatic cells and their potential use in toxicity testing and drug discovery,** Prof. Robim M Rodrigues, IVTD, VUB

11:10 Coffee Break

### 3D-CULTURE

**12:40 3D-*in vitro* models of liver fibrosis,** Prof. Leo Van Grunsven, LIVR, VUB

**12:00 2PP-printing to create innovative 3D-culture models,** Prof. Jurgen Van Erps, B-PHOT, VUB

**12:20 Testicular organoids from primary cells: an important step towards human *in vitro* spermatogenesis,** Dr. Yoni Baert, RGRG, VUB

12:40 Walking lunch

## INNOVATIVE TOOLS

**14:00 CRISPR/Cas9-based gene editing: an emerging platform for *in vitro* research,**

*Prof. Thierry VandenDriessche, GTRM, VUB*

**14:20 *In silico* methods to prioritize potentially genotoxic substances used in food contact materials,** Dr Melissa Van Bossuyt, WIV- IVTD

**14:40 Cellular and molecular imaging to reduce and refine animal experiments,**

*Prof. Nick Devoogdt, ICMI, VUB*

**15:00 Chip for animal-free genotoxicity testing,** Dr. Birgit Mertens, WIV-VUB

**15:20 Closing,** Prof. Vera Rogiers

15:30 Networking reception

Attendance free of charge, but strictly by registration only, via [www.ic-3rs.org](http://www.ic-3rs.org)