



New scientific impulses towards 3R Alternatives

-Methods to replace, reduce and refine animal use-

Monday, 25th 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

10:20 Introduction by moderator: The essential role of platforms in an international context,
Dr. Bernward Garthoff, Chair of BIO.NRW

INNOVATIVE CELL CULTURE MODELS

STEM-CELL BASED

10:40 Stem cell-based *in vitro* models: where are we today? Prof. Joery De Kock, IVTD, VUB

11:00 Human skin stem cell-derived hepatic cells and their potential use in toxicity testing and drug discovery, Prof. Robim M Rodrigues, IVTD, VUB

11:20 Coffee Break

3D-CULTURE

11:40 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-ISP & VUB, 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. Gamze Ates, IVTD, VUB

15:20 Closing, Prof. Vera Rogiers

15:30 Networking reception

Attendance is free of charge, but strictly by registration only.
Certificates of attendance are available upon request at the event.
More information and registration: www.ic-3rs.org