

PROGRAM | WEDNESDAY II MARCH

WORKSHOPS

12:30 - 13:30 Registration & welcome coffee

Parallel Session 1 Hall: Auditorium

Chair: Cemile Koçoğlu

13:30 - 15:00 Communicating science to non-scientists
Jean-luc Doumont, *Principia*, BE

Parallel Session 2 Hall: Auditorium

Chair: Tim Van Den Bossche

15:30 - 17:00 Data visualization
Koen Van den Eeckhout, *Baryon*, BE

Parallel Session 1 Hall: Conference Room 1

Chair: Ana Cascalho

13:30 - 15:00 Leadership Foundation Course
Robin Lefebvre, *Grow 2 Excel*, BE

Parallel Session 2 Hall: Conference Room 1

Chair: Cemile Koçoğlu

15:30 - 17:00 A PhD in R&D, job possibilities outside academia
Robin Lefebvre, *Grow 2 Excel*, BE

Parallel Session 1 Hall: Conference Room 4

Chair: Giulia Doglio

13:30 - 15:00 Entrepreneurship in Life Sciences
Thomas Crispeels, *VUB*, BE

Parallel Session 2 Hall: Conference Room 4

Chair: Deepanksha Arora

15:30 - 17:00 Confidence on stage
Ann De Ron, *Fish Grow Feet*, BE

15:00 - 15:30 Coffee break

Plenary session Hall: Auditorium

Chair: Tim Van Den Bossche

17:15 - 18:15 Towards a research culture that is fit for purpose for addressing global challenges
keynote **Karen Stroobants**, *MetisTalk*, UK

18:15 - 18:45 Drink

18:45 - 20:30 City Game Leuven

PROGRAM | THURSDAY 12 MARCH

CONFERENCE

08:00 - 08:45 Registration & welcome coffee

08:45 - 08:50 Welcome

Session 1 Hall: Auditorium

A HEALTHIER YOU

Chair: Dennis Pedri

08:50 - 09:40 Dissecting human antibody responses: useful, basic and surprising findings

keynote **Antonio Lanzavecchia**, *Institute for Research in Biomedicine (IRB), CH*

09:40 - 10:20 Ubiquitin conjugation governs the interactomes of the RAS GTPases
Anna Sablina, *VIB-KU Leuven Center for Cancer Biology, BE*

10:20 - 10:50 Coffee break

10:50 - 11:05 *Selected talk:* Cross-species analysis of melanoma enhancer logic using deep learning
Liesbeth Minnoye, *VIB-KU Leuven Center for Brain & Disease Research, BE*

11:05 - 11:45 T-cell based immunotherapy for cancer: from allogeneic stem cell transplantation to CAR T-cell therapy
Tessa Kerre, *Ghent University Hospital, BE*

11:45 - 11:55 VIB Bioinformatics Core – your track to master the data avalanche
Christof De Bo, *VIB Bioinformatics Core, BE*

11:55 - 12:15 Panel discussion

12:15 - 13:00 Lunch

13:00 - 14:00 Poster Session

Session 2 Hall: Auditorium

INSPIRED BY NATURE

Chair: Giulia Doglio

14:00 - 14:40 Inspired by plants - growing materials with DNA-programmed properties
Tom Ellis, *Imperial College London, UK*

14:40 - 15:20 Developing new models of the human brain
Madeline Lancaster, *MRC Laboratory of Molecular Biology, UK*

15:20 - 15:30 *Sponsored talk:* Consistently Engineering Nature for your Best-in-Class Research Tools
Matthieu Lewis, *Takara Bio Europe, FR*

15:30 - 15:55 Coffee break

15:55 - 16:35 Biotechnology: From pills and needles to consumer products
Helene Steiner, *Cell-Free Technology, Open Cell, UK*

16:35 - 17:15 What a difference a dataset makes
Suzana Herculano-Houzel, *Vanderbilt University, US*

17:15 - 17:35 Panel discussion

Special guest Hall: Auditorium

Chair: Deepanksha Arora

17:35 - 18:15 Telling stories about science
Kat Arney, *Founder and CEO of First Create The Media*

PROGRAM | FRIDAY 13 MARCH

CONFERENCE

08:30 - 09:15 Welcome coffee

Session 3 Hall: Auditorium

NETWORKS AND SIGNALING IN BIOLOGY

Chair: Deepanksha Arora

- 09:15 - 10:05 Space, time and brain computation
György Buzsáki, *New York University, School of Medicine, US*
- 10:05 - 10:45 Chasing Auxin through the plant
Jiří Friml, *The Institute of Science and Technology, AT*
- 10:45 - 11:15 Coffee break
- 11:15 - 11:30 *Selected talk:* Loss of Synaptogyrin-3 rescues Tau-induced synaptic and memory defects in the presence of microglial activation
Pablo Largo Barrientos, *VIB-KU Leuven Center for Brain and Disease Research, BE*
- 11:30 - 12:10 Treasures of our past: the search to chart proteome-wide protein modifications
Lennart Martens, *VIB-UGent Center for Medical Biotechnology, BE*
- 12:10 - 12:30 Panel discussion
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- 12:30 - 13:15 Lunch
- 13:15 - 14:15 Poster Session

Session 4 Hall: Auditorium

MICROBES EVERYWHERE

Chair: Cemile Kocoglu

- 14:15 - 15:05 *keynote* Controlling the Cell Cycle
Paul Nurse, *The Francis Crick Institute, UK*
- 15:05 - 15:45 Plant growth with a help from the microbe friends
Sofie Goormachtig, *VIB-UGent Center for Plant Systems Biology, BE*
- 15:45 - 16:15 Coffee break
- 16:15 - 16:30 *Selected talk:* Analysis of the skin microbiome in relation to the beneficial effects of topically applied lactobacilli
Lize Delanghe, *University of Antwerp, BE*
- 16:30 - 17:10 Bacteriophage-inspired biotechnology and antibacterial design strategies
Rob Lavigne, *KU Leuven, BE*
- 17:10 - 17:30 Panel discussion
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- 17:30 - 18:00 Closing words
- 18:00 - 21:00 Reception and walking dinner
- 21:00 Party