

3rd CRIG Industrial Partnering Event – Preliminary program

Online live stream and Communicatiehuis de Rode Bol (Ghent, BE) - [Webpage](#)

Friday 22nd October, 2021

8:00 - 8:55	Breakfast tables – Discussion tables of innovations on: <ul style="list-style-type: none"> a. Filling the gaps in oncology models: animal, PDX, spheroids, organoids, organ-on-a-chip, <i>in silico</i> (moderators: prof. O. De Wever and prof. G. Berx, UGent, CRIG) b. Unmet needs in cell and gene therapies (moderators: dr. D. De Groote and dr. T. Desmet, UGent, CRIG) c. Data science and data mining: the new life of old information (moderator: prof. L. Martens, VIB-UGent, CRIG)
9:00 - 9:10	Welcome - Prof. Olivier De Wever (CRIG chairman)
9:10 - 10:00	Plenary session - From an integrated drug discovery engine towards an innovative pipeline and personalized cancer care (dr. Greg Friberg, VP medical affairs EU, Latin-America, Middle-East, Africa and Canada - Amgen) - Room: Auditorium
10:00 - 10:45	Parallel Sessions 1 <u>Session 1A - From R&D to the market: successful stories (moderator Dr. Dominic De Groote - UGent, CRIG) – Room: Auditorium</u> <ul style="list-style-type: none"> • Shining a light on dark matter: Development of long non-coding RNA targeted therapies in cancer – duo pitch #UGent spin-off Prof. Pieter Mestdagh (UGent, CRIG) Dr. Floor Stam (COO, Flamingo Therapeutics) • T-BET and EOMES accelerate and enhance functional differentiation of human natural killer cells – duo pitch Laura Kiekens (UGent, CRIG) Dr. Jan Spanholtz (CSO, Glycostem) • Trince, next generation transfection platform #UGent spin-off Dr. Philip Mathuis (CEO, TRINCE) <u>Session 1B - Enabling models, clinical expertise & pediatric cancer (moderator Dr. Pieter Rondou - UGent, CRIG) – Room: CoeR+JaRdin</u> <ul style="list-style-type: none"> • Advancing liquid biopsies for monitoring treatment efficacy in children with neuroblastoma Prof. Jo Vandesompele (UGent, CRIG) • Replicative stress drugging: a new paradigm for pediatric solid tumors Prof. Frank Speleman (UGent, CRIG) • The Cancer Center at Ghent University Hospital Prof. Dr. Gwen Sys (UZGent, Kankercentrum, CRIG) • HIRUZ Biobank: the central Ghent University Hospital Biobank Dr. Elke Berneel (UZGent) • MISpherID: a knowledge-base and transparency tool to advance 3D spheroid research Prof. Olivier De Wever (UGent, CRIG)
10:45 - 11:10	<i>Coffee break and sponsors showcase</i>
11:10 - 12:00	Plenary session – Results from CARTITUDE-1: Phase 1b/2 study of Ciltacabtagene Autoleucel (Cilta-cel), a B-Cell maturation antigen-directed chimeric antigen receptor T cell therapy, in patients with relapsed/refractory multiple myeloma (Yunsi Olyslager, Director Clinical Project Scientist Oncology, & Bie Van De Vloet, Senior Director Business Development - Janssen Pharmaceutical)

12:00 - 12:45

Parallel Sessions 2

Session 2A - Start-ups and spin-offs in the pipeline (moderator Dr. An Van Den Bulcke - UGent, CRIG) Room: Auditorium

- [Gelgraft Medical –The solution towards minimally invasive breast reconstruction](#)
Dr. Lana Van Damme (UGent, CRIG)
- [BIO INX[®]: Your support in bioprinting](#)
Dr. Jasper Van Hoorick (UGent, CRIG)
- [Amalus: developing an exciting way of remodeling the TME](#)
Dr. Bart Roman (UGent, CRIG)
- [RadionD - Improved breast cancer treatment by lowering radiation risk](#)
#UGent spin-off
Dr. Dina De Haeck (CEO, RadionD)
- [SparXells[™] : igniting immunity against lung cancer and beyond](#)
Prof. Dr. Karim Vermaelen (U(Z)Gent, CRIG)

Session 2B – Bringing drug delivery to the market (moderator Prof. Katrien Remaut - UGent, CRIG) Room: CoeR+JaRdin

- [Biogelator – Self-assembly hydrogel scaffolds for targeted drug delivery](#)
Prof. Annemieke Madder (UGent, CRIG)
- [Repurposing of cationic amphiphiles to promote cytosolic delivery of RNA therapeutics / ERC grant RESPIRNA](#)
Prof. Koen Raemdonck (UGent, CRIG)
- [Nucleic acid therapeutics to enable a healthier tomorrow, TODAY](#)
Dr. Dominik Witzigmann (CEO & co-founder, NanoVation Therapeutics)
- [Computational modelling as *in silico* tool for drug delivery and planning of patient-specific treatments](#)
Prof. Charlotte Debbaut (UGent, CRIG)
- [Lipid nanoparticle platform technology for nucleic acid-based immunotherapy](#)
Prof. Bruno De Geest (UGent, CRIG)

12:45 - 13:30 *Speed dating*

13:30 - 14:15 *Lunch, partnering and sponsors showcase*

14:15 - 15:10 **Plenary session – [Delivering access and autonomy through innovation](#)** (Dr. José Castillo, CEO - Quantoom Biosciences) – Room: Auditorium

15:10 - 15:55 Parallel Sessions 3

Session 3A - Meet our experts (moderator Prof. Oliver De Wever - UGent, CRIG) – Room: Auditorium

- [ERC grant NANOBUBBLE - Laser-induced vapour nanobubbles for intracellular delivery of nanomaterials](#)
Prof. Kevin Braeckmans (UGent, CRIG)
- [ERC HUMYCO: towards defining the impact of mycotoxins on human cancer risk](#)
Prof. Marthe De Boevre (UGent, CRIG)
- [PROTAC technology](#)
Prof. Serge Van Calenbergh (UGent, CRIG)
- [The novel ionbot proteomics search engine as a game-changer in cancer research](#)
Prof. Lennart Martens (VIB-UGent, CRIG)
- [ZENTACC - Targeting ZEB transcription factors for aggressive colorectal cancer therapy](#)
Prof. Geert Berx (UGent, CRIG)

	<p><u>Session 3B - Digital and precision (immune) oncology (moderator Prof. Dr. Lieve Brochez – U(Z)Gent, CRIG) - Room: CoeR+JaRdin</u></p> <ul style="list-style-type: none"> • The Data Science Institute UZ Gent Prof. Dr. Kirsten Colpaert (UZGent) • A flow cytometry-based computational pipeline to aid prognostication of AML patients Sarah Bonte (UGent, CRIG) • myNEO: Using digital tumour fingerprints to personalise cancer vaccines Dr. Bert Coessens (COO, myNeo) • Challenges in obtaining compliance, from R&D to GMP Dr. Dominiek Rossillion (Business Development Manager, Quality by Design) • Cytomine, a Digital Pathology platform dedicated to teaching, research and diagnosis, including Artificial Intelligence Dr. Grégoire Vincke (Co-founder and CMBDO, Cytomine)
15:55 - 16:15	<i>Coffee break and sponsors showcase</i>
16:15 - 17:00	<p>Parallel Sessions 4</p> <p><u>Session 4A - Immuno-oncology (moderator: Prof. Dr. Tessa Kerre – U(Z)Gent, CRIG) – Room: Auditorium</u></p> <ul style="list-style-type: none"> • Immunotherapy clinical trials at Ghent University Hospital – The DRUG unit Prof. Dr. Sylvie Rottey (U(Z)Gent, DRUG unit, CRIG) • A-Kine™ platform: reprogramming cell targets for immune-oncology Dr. Lennart Zabeau (Sr Research Scientist, Orionis Biosciences) • Production of advanced cell/gene therapeutics for clinical trials Prof. Bart Vandekerckhove (UGent, CRIG) • Introducing the UK's Cell and Gene Therapy Catapult, an independent centre of excellence to advance the growth of ATMP's Dr. David Sexton (Business Developer, Cell and Gene Therapy Catapult) • Ten years of cancer immunotherapy with checkpoint inhibitors Tom Van Lee (Disease Area Head Oncology, Bristol Myers Squibb) <p><u>Session 4B - Early/non-invasive diagnostics and precision oncology (moderator Dr. Daisy Flamez – UGent, CRIG) - Room: CoeR+JaRdin</u></p> <ul style="list-style-type: none"> • An extracellular vesicle-based toolbox to develop biomarkers for cancer detection and monitoring Prof. An Hendrix (UGent, CRIG) • Powerful insights with single-cell multi-omics: Co-detecting both genotype and phenotype from the same cell Dr. Alocha Van den Houte (European Field Application Scientist, Mission Bio) • Liquid biopsy by cfRRBS: making circulating free DNA methylome profiling routine Prof. Nico Callewaert (VIB-UGent, CRIG) • The ProBio trial - Molecular biomarkers for advancing personalised treatment decision in patients with metastatic prostate cancer Dr. Bram de Laere (UGent, CRIG; Karolinska Institute) • Mass spectrometry histochemistry: A direct route to oncologically relevant molecular biomarker discovery from histopathologically documented FFPE material Prof. Peter Verhaert (Founder, ProteoFormix)
17:00-17:10	Closing remarks - CRIG business unit
17:10 - 18:00	<i>Networking reception & partnering discussions</i>

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