



## 2021 - Virtual Local Chapter Meeting



### - Program -

**Date:** Thursday March 4<sup>th</sup> 2021: From 10:00 until 18:00

**Overview:**

- 10:00-12:15: Session 1
- 12:15-13:00: Lunch
- 13:00-15:15: Session 2
- 15:15-16:00: Coffee Break
- 16:00-17:30: Session 3

**Venue:**

- Platform: Zoom Conference
- Meeting-ID: Upon registration
- Password: Upon registration

**Committee:** Twan Lammers, Olivia Merkel, Claus-Michael Lehr, Sung Min Pyo, Cornelia Keck, Jai Prakash, Giovanna Lollo, Roy van der Meel

## THURSDAY MARCH 4

### SESSION 1: 10:00-12:12

- 10:00-10:10: Twan Lammers: Opening, Meeting overview, Outlook to 2022
- 10:10-10:20: Claus-Michael Lehr, Olivia Merkel: CRS Germany Local Chapter
- 10:20-10:30: Jai Prakash: CRS BeNeLux-France Local Chapter
- 10:30-11:00: Yvonne Perrie (CRS President): Delivery systems for mRNA vaccines - The impact of formulation and route

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### 11:00-12:15 Oral Abstract Presentations – Session 1

Moderators: Cornelia Keck, Roy van der Meel

- 11:00-11:12: Joke Deprez (Ghent): How liposome trafficking in non-APC inflammatory immune cells in blood circulation drive the accumulation of liposomes in inflammatory regions: unravelling an essential mechanism overlooked by the EPR effect
- 11:12-11:24: Alberto Hidalgo (Saarbruecken): Interfacial delivery: Using pulmonary surfactant to deliver drugs to the lungs
- 11:24-11:36: Amanda Silva (Paris): Boosting high-yield scalable production of extracellular vesicles from adipose stromal cells by turbulence in bioreactors and local administration in a repurposed hydrogel for regenerative medicine
- 11:36-11:48: Shubhankar Ambike (Munich): Systematic analysis identifies factors that enable efficient inhibition of SARS-CoV-2 replication with siRNAs
- 11:48-12:00: Sofie Meulewaeter (Ghent/Brussels): Mapping spatio-temporal expression of PD-L1 induced by an mRNA nanovaccine
- 12:00-12:12: Simon Reilaender (Wuerzburg): Pig study detailing an oral production and delivery system for therapeutic carbon monoxide

### LUNCH: 12:15-13:00

- 12:15-13:00: Lunch break. No activities.

## SESSION 2: 13:00-15:00

13:00-13:30: Jean-Christophe Leroux: Inhibitors of pathological calcifications

Moderator: Olivia Merkel

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13:30-15:15 Oral Abstract Presentations – Session 2

Moderators: Giovanna Lollo, Claus-Michael Lehr

13:30-13:42: Johanna Walther (Utrecht): Delivery of CRISPR/Cas9 via lipid nanoparticles for gene therapy.

13:42-13:54: Moritz Schueller (Halle): Improving rapid tests for future pandemics: conjugated polymers for increased sensitivity of lateral flow immunoassays

13:54-13:06: Asmaa Elshafei (Aachen): Promoting tumor blood vessel formation by HIF-1 $\alpha$  activation

14:06-14:18: Samy Aliyazdi (Saarbruecken): *Bioprinting of human hair follicles and bacterial biofilms to investigate topically administered nano-antibiotics*

14:18-14:30: Maaïke Schotman (Eindhoven): Multi-functional supramolecular hydrogels for regenerative drug release in the heart

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14:30-15:10 Elevator Pitches – Session 1+2

Moderators: Sung Min Pyo, Twan Lammers

14:30-15:10: Flash Talks Session #1: 10 Presenters, 1 Slide, 90 Seconds

14:30-15:10: Flash Talks Session #2: 10 Presenters, 1 Slide, 90 Seconds

## VIRTUAL COFFEE BREAK: 15:10-16:00

15:10-15:15: 5 Min Bio-Break + Grab Coffee

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15:15-15:30: Breakout Room Session #1

15:30-15:45: Breakout Room Session #2

15:45-16:00: Breakout Room Session #3

## **SESSION 3: 16:00-18:00**

16:00-16:30: Bruno Sarmiento (CRS IC + AMPC): Bioengineered CD44v6-targeted nanomedicines for anticancer drug delivery

Moderator: Claus-Michael Lehr

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16:30-17:30 Elevator Pitches – Session 3-5

Moderators: Olivia Merkel, Jai Prakash

16:30-16:50: Flash Talks Session #3: 10 Presenters, 1 Slide, 90 Seconds

16:50-17:10: Flash Talks Session #4: 10 Presenters, 1 Slide, 90 Seconds

17:10-17:30: Flash Talks Session #5: 10 Presenters, 1 Slide, 90 Seconds

17:30-17:50: Flash Talks Session #6: 10 Presenters, 1 Slide, 90 Seconds

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17:50-18:00: Award Ceremony, Closing Remarks