

# Breaking boundaries in science

## ICMS ANNUAL SYMPOSIUM 2024

**15 MARCH 2024**

The ICMS Annual Symposium 2024 will kick off with drinks and dinner in Ceres on March 14 from 17:30 to 20:30 hours.

**Venue:** Auditorium, Blauwe Zaal

09:00 Coffee and tea (badges at the registration desk)

09:20 Jan van Hest (ICMS)  
Opening and welcome

09:40 Miguel Dias Castilho (ICMS)  
Scaffold-guided functional tissue formation

10:00 Nicholas Kurniawan (ICMS)  
The cell as an active mechano-adaptive material

### **10:30 Break, poster session and company stands**

11:00 Tom de Greef (ICMS)  
Next-generation micromaterials for readout and editing of data stored on DNA

11:30 The winners of the competition "Science communication: To the point":

- Sofia Artamonova (ICMS, shared 1st and 2nd place)  
Functional tissue engineering of human aortic HVs
- Bram Bakker (ICMS, shared 1st and 2nd place)  
Towards stimuli responsive moieties that enable cell-material communication
- Jules Boesveld (ICMS, 3rd place)  
Unveiling the cardiac-infarct border zone mechano-response

12:00 Hailin Fu (ICMS)  
Structuring liquids with supramolecular polymers

### **12:20 Lunch break, poster session and company stands**

14:00 Lambèrt van Breemen (ICMS) and Stan Looijmans (ICMS)  
New chemistry: A story on a lasting collaboration on the border of two disciplines

14:30 The winners of the PhD Paper Award 2023:

- Harm van der Veer (ICMS, winner of the jury prize)  
Glow-in-the-dark CRISPR-based infectious disease diagnostics
- Changlin Wang (ICMS, winner of the audience prize)  
Closed-loop recycling of superinsulating organic aerogels

14:50 Tommaso Ristori (ICMS)  
Modelling endothelial cell signaling mechanoregulation

### **15:10 Break, poster session and company stands**

15:40 Samuel Sánchez (IBEC)  
Swarms of enzyme-powered nanobots and their biomedical applications

16:20 Wilhelm Huck (Radboud University)  
Molecular information processing using complex reaction networks

17:00 Closing remarks

**ICMS**

INSTITUTE  
FOR COMPLEX  
MOLECULAR  
SYSTEMS

**TU/e**

