



## EDMI Research Day

Friday, May 29<sup>th</sup>, 2026

**Presentations: BC 05-06 // Poster Session & Lunch: BC Atrium**

|               |                                                                                                                                                                                              |                                                                                                               |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 09h00 – 09h30 | <b>Registration &amp; Welcome coffee, BC Atrium</b>                                                                                                                                          |                                                                                                               |
| 09h30 – 09h45 | <b>Welcome at EDM I Research Day 2026</b> , Prof. Giovanni Boero, EDM I Program Director<br>PhD Student Representatives: Update from Eloi Collette & Mehdi Ali Gadiri / Welcome to Yide Jiao |                                                                                                               |
| 09h45 – 10h05 | Laboratory of Chemical Nanotechnology (CHEMINA)                                                                                                                                              | <b>Prof. Nako Nakatsuka</b>                                                                                   |
| 10h05 – 10h25 | MEMS-sensor integrated guidewire for pressure and flow analysis in endovascular interventions.                                                                                               | <b>Mehdi Gadiri</b> , PhD Student, MICROBS, Prof. Selman Sakar (MT180 2026 1st Prize & Public Audience Prize) |
| 10h25 – 10h45 | Integrated Nanoscale Photonics and Optoelectronics Laboratory (INPHO)                                                                                                                        | <b>Prof. Kirsten Moselund</b>                                                                                 |
| 10h45 – 11h15 | Coffee Break & Poster Session                                                                                                                                                                |                                                                                                               |
| 11h15 – 11h35 | Electron Spin Qubit Architectures on Fully Depleted Silicon-On-Insulator Substrates for Scalable Quantum Computing.                                                                          | <b>Dr Fabio Bersano</b> , 2025 EDM I Thesis Distinction, NANOLAB, Prof. Ionescu                               |
| 11h35 – 11h55 | A Pill That Prints-An Ingestible Bioprinter for Non-Invasive Structured Bioink Deposition.                                                                                                   | <b>Sanjay Manoharan</b> , LAFT, Prof. Vivek Subramanian (2026 EDM I Best publication award)                   |
| 11h55 – 12h15 | Functionalized Solid-State Nanopore: Energy Harvesting and Ionic Circuitry.                                                                                                                  | <b>Dr Yunfei Teng</b> , 2025 EDM I Thesis Award, LBEN, Prof. Aleksandra Radenovic                             |
| 12h15 - 13h45 | <b>Poster session &amp; Cocktail Lunch – BC Atrium</b>                                                                                                                                       |                                                                                                               |
| 13h45 – 14h15 | Connecting Worlds: A Leadership Journey from Tech to Dance.                                                                                                                                  | <b>Dr Nina Buffi</b> , CEO, Mosa Ballet School                                                                |
| 14h15 – 14h30 | <b>EDMI Thesis Distinction, Research Day Best Poster Awards &amp; Best Publication Award</b>                                                                                                 |                                                                                                               |