SCML INTERNATIONAL AS

Professor
Jon Otto Fossum, PhD

Director, SCML International AS

CURRENT SCIENTIFIC APPOINTMENTS

- **Affiliated Senior Researcher**
  PMMH – ESPCI, Paris, France
- **Adjunct Senior Scientist**
  University of Bayreuth, Germany
- **Senior Visiting Scientist**
  LNNano/CNPEM, Campinas, Brazil

Independent research connecting theory, simulation, partner laboratories and world-class research facilities.

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Scan to learn more

SCML

INTERNATIONAL AS

Soft & Complex Matter Lab

Fundamental science • Sustainable materials
Global collaboration

INDEPENDENT RESEARCH

Science & innovation without borders

SCML International AS connects fundamental physics with sustainable materials, advanced functional materials and emerging technologies.

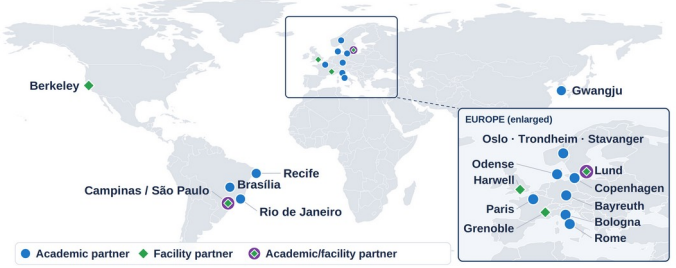
We develop research questions, theory and simulations, then validate them through international partner laboratories and world-class research facilities.

SCML RESEARCH APPROACH

1. **Question**
   Frame the scientific question
2. **Theory**
   Build physical models
3. **Simulation**
   Test ideas computationally
4. **Partner labs**
   Design decisive experiments
5. **Facilities**
   Use advanced characterisation
6. **Innovation**
   Translate insight into value

Independent • International • Collaborative

ACTIVE SCML RESEARCH COLLABORATION NETWORK



RESEARCH PLATFORMS

Scientific foundations

- **2D Materials, Interfaces & Nanophysics**
- **Soft & Complex Matter**
- **Natural Materials**

APPLICATIONS

From physics to function

- **Carbon Capture, Conversion & Gas Separation**
- **Sustainable Colour & Photonics**
- **Functional Nanodevices & Sensors**