

MOLECULAR SCIENCES AND SIMULATION

INTERNATIONAL MASTER'S PROGRAM

SCOPE OF THE IMOS PROGRAM



- A new research-oriented international Master's program in the field of "Molecular Sciences and Simulation" (iMOS) was launched in 2011.
- The teaching language is **English**.
- The program is tailored for **students with a B.Sc. or equivalent** from a broad variety of disciplines (**chemistry, physics, biology, mathematics, and engineering**).
- iMOS aims at a **deeper understanding of chemical and physical molecular processes**.
- iMOS interfaces between the traditional disciplines of chemistry and physics with a **strong focus on theoretical concepts, molecular spectroscopy and computer simulations**.
- iMOS enables an **early start in research**, stimulates **scientific curiosity and creativity**. It provides **early hands-on experience** in research projects.

SPECIFIC FEATURE

- The curriculum includes, as an integral part, participation in a **research project of 2-3 months** duration. This internship is carried out at **one of the world's top institutions in the field of molecular sciences and simulation**.

Institution	Institution
 Cornell University, USA	 University College London, UK
 Ecole Normale Supérieure Paris, France	 University of California Berkeley, USA
 ETH Zürich, Switzerland	 University of California Irvine, USA
 Indian Institute of Science Bangalore, India	 University of California Santa Barbara, USA
 Indian Institute of Technology Kanpur, India	 University of Cambridge, UK
 National Institutes of Natural Sciences, Japan	 University of Illinois at Urbana Champaign, USA
 Purdue University, USA	 The University of Nottingham, UK
 University of Pennsylvania, USA	 Seoul National University, Korea
 Radboud University Nijmegen, The Netherlands	 Weizmann Institute of Science, Israel
	 Yale University, USA

