

Simon Gravelle

Physicist in soft matter
and fluids at interfaces

LIPhy, UGA, CNRS

Grenoble, France

simon.gravelle@cnrs.fr

simongravelle.github.io

Current research position

- 2024-today **CNRS Researcher**
Univ. Grenoble Alpes, CNRS, LIPhy, Grenoble, France
Nanoconfined fluids, soft matter, and molecular simulations
 - 2025 : co-investigator of the ANR project MIAM-CO2 (Elise Lorenceau, LIPhy),
 - 2025 : lead PI of the ANR project MicroSep,
 - Since January 2024 : in charge of organizing LIPhy's internal seminars,
 - Since April 2024 : co-supervision of Pablo Grisanti, PhD candidate.
- 2023-2025 **MSCA Fellow**
Univ. Grenoble Alpes, CNRS, LIPhy, Grenoble, France
Hybrid nanoporous materials for fluid mixture separation
Group leader : CNRS DR Benoit Coasne

Past research experiences

- 2021-2023 Postdoctoral Researcher
Institute for Computational Physics, Universität Stuttgart, **Stuttgart, Allemagne**
NMR properties of water at the interfaces of porous salt crusts
NMR dynamics of hydrophilic gels and polymers
Group leaders : Pr. Christian Holm and Assistant Pr. Alexander Schlaich
- 2019-2021 Postdoctoral Researcher
Queen Mary University of London, **Londres, Royaume-Uni**
Adsorption of two-dimensional nanoparticles at fluid interfaces
Viscosity of graphene nanoparticle suspensions under shear
Group leader : Pr. Lorenzo Botto
- 2016-2019 Postdoctoral Researcher (FONDECYT)
Universidad Adolfo Ibáñez, **Viña del Mar, Chili**
Bio-inspired water capture systems by desert plants
Modeling microtube dynamics in plant cells
Group leaders : Pr. Jacques Dumais
- 2012-2015 Doctorant
Institut Lumière Matière, Université Claude Bernard Lyon 1, **Lyon, France**
Fluidic transport in bio-inspired nano-channels
Charge fluctuations and reversible ion adsorption in synthetic nanopores
Supervisors : Pr. Lydéric Bocquet, CNRS DR Christophe Ybert and Pr. Laurent Joly

Publication list

Scholar My **full publication list** is available from Google Scholar and ORCID.