

Maître de Conférences, Hors Classe  
French, 48 years old

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## EDUCATION

- 2001: Master in Chemistry and Physico-Chemistry of Polymers, University Pierre et Marie Curie (Paris).
- 2001-2004: PhD from University Pierre et Marie Curie (Paris); research performed at the Laboratoire de Recherche sur les Polymères (Thiais). Title : “Dynamique locale et transitions à l’état solide des poly(di-*n*-alkylitaconate)s”. Adviser: Françoise Lauprêtre.
- 2016: Habilitation to conduct research (HDR) from University Montpellier, Specialty: Physics. Title: “Structure and dynamics of nanoparticles, polymers, and nanocomposites”.

## EMPLOYMENT HISTORY

- 2004-2006: Post-doc, Donostia International Physics Center (DIPC), San Sebastian, Spain. Advisers: Juan Colmenero and Arantxa Arbe.
- Since 2006: Maître de Conférences (section 28 of CNU) in the soft matter group at L2C. I am teaching in the department “Mesures Physiques” at IUT Montpellier. Hors Classe since 2019.
- 2017-2018: Visiting scientist (one full year, CRCT from CNU 28) at Oak Ridge National Laboratory – University of Tennessee, Knoxville, USA, in the group of Alexei Sokolov.

## RESEARCH INTEREST

Structural and dynamical behavior at the nanoscale in complex polymer systems and polymer nanocomposites, using scattering techniques (neutrons and X-rays) and dielectric spectroscopy. Aggregation, confinement and interfacial phenomena.

## SCIENTIFIC PRODUCTION

- 60 peer-reviewed publications (1703 citations/Web of Science) in polymer science, physical chemistry, material science, nanoscience, physics and chemistry + 1 book chapter.
- 2 Scientific Highlights in Soft Matter at the Institut Laue-Langevin (ILL, Grenoble).
- 31 oral presentations in conferences, workshops, and French and European networks, including 15 invited talks.
- 16 invited seminars.

## PEER REVIEWING ACTIVITY & SCIENTIFIC COMMITTEE

- Member of 18 PhD and habilitation to conduct research (HDR) committees.
- Member of the review panel at ILL for evaluating neutron beam time applications in College 9: Structure and dynamics of soft matter (2014-2017).
- Member of the review panel at Heinz Meier-Leibnitz Zentrum (MLZ, Munich, Germany) for evaluating neutron beam time applications (2018-2020).
- Member of the scientific evaluation committee (CES06 Polymers, Composites and Soft Matter) for the French National Research Agency (ANR) (2019).
- Member of the instrument review panel at ILL, spectroscopy group (NSE and Backscattering) (2022).

- Member of the scientific evaluation committee for Fundação para a Ciência e a Tecnologia (FCT, Portugal): Individual Call to Scientific Employment Stimulus in Chemical Sciences (2023).
- Member of the Scientific Committee for the ICONE Project (Innovative COmpact NEutron facility) (2024-2025). Currently in its preliminary design phase, this project aims to establish a national neutron facility based on a new generation of compact sources known as HiCANS (High Current Accelerator-driven Neutron Sources).

### MAIN ADMINISTRATIVE RESPONSIBILITIES

- Member of the Laboratory council (“Conseil de Laboratoire”) at L2C (2015-2021).
- Elected member of the “Commission Locale section 28” at University of Montpellier for career and recruitment processes in condensed matter physics at the local level (since 2017).
- Elected member (*suppléante*) of the Conseil National des Universités (CNU), section 28 – “Milieux denses et matériaux” (since 2023).
- Leader of the “Soft Matter and Glasses” research axis at L2C, comprising 21 permanent researchers (since 2025).

### MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS

- Member of the board of the French Neutron Scattering Society (SFN) – User Representative (2017-2023). Member of the jury for the SFN PhD thesis award in 2019 and 2022.
- Member of the board of the French Polymer Group (GFP) (since 2023).

### ORGANIZATION OF MEETINGS

- European Workshops: “Workshops on Nanocomposites and Polymer Dynamics”, Montpellier in 2008 and 2011. Organizers: A.C. Genix and J. Oberdisse.
- 17<sup>ème</sup> Journées de la Diffusion Neutronique, JDN17: “Neutron et Matière Molle”, annual meeting and thematic school of the SFN. La Grande Motte, 23-29 Mai 2009 (co-organizer).
- International Workshop: “Workshops on Nanocomposites and Polymer Dynamics”, Montpellier, 22-24 June 2015. Organizers: A.C. Genix and J. Oberdisse.
- Journées de la Diffusion Neutronique 2019: “Multidisciplinary Science with Neutrons”. Saint Martin de Londres, 16-19 September 2019 (co-organizer).

### INVOLVEMENT IN COLLABORATIVE PROJECTS

I am (or was) responsible for the following contracts as scientific coordinator:

- 2014-2018: ANR JCJC (young researcher program, French National Research Agency), NANODYN: “Multiscale dynamics of filler particles and polymer in nanocomposites”.
- 2021-2025: ANR PRC in partnership with the Institut Charles Gerhardt Montpellier (ICGM), IONOPILS: “Ion transport in double networks of ionosilica and doped polymeric ionic liquids”.
- 2021-2023: Industrial research contract with Hutchinson (Montargis, FR): “Rheology-induced filler flocculation monitored by SAXS in rubber nanocomposites”.

### SUPERVISION OF STUDENTS AND POST-DOCS

I have supervised or co-supervised 6 PhD students and 3 postdocs.

PhD students: Mouna Tatou (2007-2010 – bourse ILL); Guilhem Baeza (2010-2013 – CIFRE Michelin); Céline Schmitt (2012-2015 – bourse LABEX); Dafne Musino (2014-2017 – bourse MENRT); Shilpa Sharma (2021-2024 – bourse ANR); Cansu Akkaya (2022-2025 – bourse ANR).

Post-docs: Adrian-Marie Philippe (2016-2018 – contrat ANR) ; Amélie Banc (2010-2011 – financement région) ; Numera Shafqat (2016-2018 – contrat Hutchinson).

### HONNOR

National “Polymer Physics” award of GFP/SFP (French Polymer Group/French Physical Society) in 2016. <https://www.gfp.asso.fr/prixdistinction/prix-des-divisions-scfspf>