

Carine MICHEL

CNRS researcher

Computational studies across Catalysis

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Researcher id : G-3769-2011

Education

2004-07 PhD in Computational Chemistry, Université Joseph Fourier, Grenoble, France
2016 Habilitation (HDR), Ecole Normale Supérieure de Lyon, France

Current and previous academic positions

2007 Research assistant of Pr. Baerends at the VU university, Amsterdam, The Netherlands
2008 Teaching and research assistant of Pr. Delbecq at the ENS de Lyon
2009... CNRS researcher at the Laboratoire de Chimie, ENS de Lyon, France.

Fellowships and awards

National awards

2015 CNRS Bronze Medal
2020 Young researcher prize of the Physical Chemistry division of the SCF and SFP.

Supervision of graduate students and postdoctoral fellows

(Co-)supervision of 13 PhD students, 6 MSc students, and 10 postdocs

Currently, 6 PhD students, 2 postdocs, 2 MsC.

PhD committees: 7 including 1 at the international level

Involvement in scientific meetings

(Co-)Organization of 5 international scientific meetings

2013-19 Member of the organizing committee of the Summer School ELITCAT (80 participants)
2016 Co-Chair of the Symposium "Computational studies across catalysis" at the ACS Spring Meeting
2018 Co-chair of the ECAM Scoping Workshop "Solubility prediction" (25 participants)
2021 Chair of the International Congress of Theoretical Aspects of Catalysis 18 (100 participants)
2021 Member of the organizing committee of Solgel 2021 (600 participants)

Member of 6 evaluation committees of International scientific meetings

EFCATS PhD prize, European Conference on Surface Science, North American Catalysis Society Meeting, etc.

Main institutional responsibilities

2017-20 Responsible of the research axis 'Theoretical Chemistry' of the Laboratoire de Chimie (~10 PI).
2021-25 Vice-director of the Laboratoire de Chimie (~100 members)

Commissions of trust

Member of 1 evaluation commission

2020 Member of the ERC 2020 SAP PE04 commission (6 reports)

Scientific evaluation for 3 European, 1 American and 1 French funding agencies

2015 Labex Combellas (1 report)

2017 NWO (1 report)

2019 DFG (1 report)

2020 ERC Advanced (1 report)

DOE (1 report)

Scientific journal referee for over 20 international journals

ACS Catalysis, ChemSusChem, Green Chemistry, Catalysis Science & Technology, Journal of Catalysis, Nature Communications, Chemical Engineering journal, etc.

Scientific networks

Member of two French scientific networks

2010-20: The CNRS research networks for theoretical chemistry (GdR RFCT)

2018-22: The CNRS research networks for solvation (GdR Solvate)

International scientific networks, with 1 on-going

2013-16: Member of the LIA FUNCAT with uOttawa

2017-20: Co-chair of the LIA FUNCAT with uOttawa

2021-25: Co-chair of the IRP ELINE with UCLA

Research contracts

PI of 1 ANR-SNF contract, coPI of 4 ANR contracts, coPI of 1 ANR-DFG contract

2009... Around 130-150 k€/contract/co-PI, 3 on-going.

Co-PI of the industrial chair ROAD4CAT

2018-23: Around 650k€ for the ENSL partner.

PI of 7 industrial contracts, co-PI of 4 industrial contract

2012... Several research contracts with Solvay, Total, PSA, IFPEN