

# Jean-Philip Piquemal

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## Scientific career and education

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Present situation	- Director and Distinguished Professor, Laboratoire de Chimie Théorique SU/CNRS - Principal Investigator ERC Synergy: project EMC <sup>2</sup> - Adjunct Research Professor (Biomedical Engineering), UT Austin (USA) since 2015
2019- present	Director, Laboratoire de Chimie Théorique (LCT), UMR 7616 SU/CNRS
2019- present	Distinguished Professor (EXceptional class, PREX-1, CNU 31), SU
2019- present	Member, PRACE (Partnership for Advanced Computing in Europe) steering committee
2019- present	Team leader, EMC2 research group at LCT (4 researchers), SU/CNRS
2016- 2021	Member (Junior), Institut de France (IUF research chair 2016-2021)
2016- 2019	Full Professor (First class, PR1, CNU 31), SU
2012- 2019	Team leader, MC2 interdisciplinary project team ("Maths-Chimie"), ISCD, SU
2012- 2018	Director, Institut Parisien de Chimie Physique et Théorique, FR 2622, SU/CNRS
2012- 2018	Team leader: research axis of LCT: « from quantum interpretative techniques to multiscale modeling » (8 permanent researchers)
2011-2016	Full Professor (Second class, PR2), UPMC
2009-2011	Maître de Conférences - HDR (Associate Professor), UPMC
2009	Research Habilitation (HDR), UPMC, Paris 6
2006-2009	Maître de Conférences (Assistant Professor), UPMC
2004-2006	NIH Visiting Fellow, NIEHS, NC, USA. Group of Thomas A. Darden.
2001-2004	Ph.D. Thesis (allocataire-moniteur) in Theoretical Chemistry, UPMC
2000-2001	Diplôme d'Etude Approfondie (DEA, Master 2) in Theoretical Chemistry, UPMC
1998-2000	Licence (L3) & Master 1 (Maîtrise) in Chemistry (major: Physical Chemistry), UPEC

Affiliations: SU=Sorbonne Université; UPMC=Université Pierre et Marie Curie (Paris 6); NIEHS=National Institute of Environmental Health Sciences; UPEC=Université Paris-Est Créteil (Paris 12); CNRS=Centre National de la Recherche Scientifique; UT=University of Texas; IUF=Institut Universitaire de France.

## Honors and international funding

2022	Fellow of the Royal Society of Chemistry (FRSC)
2021	EIC Accelerator (European Innovation Council innovation grant)
2020	i-Lab 2020 (French national innovation grant)
2019	ERC Synergy: Extreme-Scale Mathematics for Computational Chemistry, 2019-25
2018	Atos - Joseph Fourier Prize in High-Performance Computing (1 <sup>st</sup> prize)
2018	France-Berkeley Research fund.
2017	Défi CNRS Infiniti (level 2, 2017-2018)
2016	Junior member (research chair 2016-2021) of the Institut Universitaire de France.
2013	CNRS PICS collaborative international fund (with UT Austin)
2012	Emergence-UPMC fund.
2011	Wiley –International Journal of Quantum Chemistry - Young Investigator Award
2008	France-Canada Excellence Research Fund (2008-2010).
2004	National Institute of Health (NIH) Visiting Fellowship award (2004-2006)

## Scientific Production and Editorial Activities

- Publications: 163 (h-index: 49, citations > 9000, source Google Scholar) including Chem. Rev (1), Acc. Chem. Res. (1), WIREs Comp. Mol. Sci. (1), Ann. Rev. Biophys (1), J. Am. Chem. Soc. (4), Chem. Sci.(3), J. Phys. Chem. Lett.(6); Chem. Com.(1), J. Chem. Theory. Comput. (35), ...
- Development of the Tinker simulation package (Tinker-HP/Tinker)
- Editor: Results in Chemistry (Elsevier). Associate Editor: Living Journal of Computational Molecular Science (Univ. Colorado). Editorial Board: International Journal of Quantum Chemistry (Wiley); Interdisciplinary Sciences: Computational Life Sciences (Springer); Frontiers in Chemistry (Frontiers).

**Professional affiliations:** Société Chimique de France, Royal Society of Chemistry, American Chemical Society, Association for Computing Machinery, Biophysical Society, Sigma Xi.

**Industry:** Co-founder (2020) and CSO of Qubit Pharmaceuticals, 2020-present (Paris, France).