

Prof. Dr. Stéphane Vuilleumier

Curriculum vitae

Université de Strasbourg Equipe Adaptations et Interactions Microbiennes dans l'environnement Génétique Moléculaire, Génomique, Microbiologie UMR 7156 UNISTRA – CNRS	4 rue Blaise Pascal, CS 90032 67081 Strasbourg cedex, France Phone : +33-(0)3 68 85 20 22 E-mail : vuilleumier@unistra.fr https://aime.unistra.fr
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Personal data

Date of birth: 19.09.1962

Nationality: French and Swiss

Languages: French, English, German, Swiss German dialect

Higher Education

Degree	Institution	Years	Field of Study
Baccalauréat	Gymnase cantonal, Neuchâtel, Switzerland	1978 – 1981	Baccalauréat es sciences (Maturité fédérale type C)
Dipl. Natw. ETH	ETH Zurich, Zurich, Switzerland	1981 – 1985	Biology and Chemistry; Diploma thesis with Prof. Dr. Arigoni, "Untersuchungen zum Reaktionsmechanismus von Isocitrat Lyase"
Dr. Phil. II	University of Basel, Basel, Switzerland	1986 – 1990	Peptide chemistry; PhD thesis with Prof. Dr. M. Mutter, "Stabilisation of helix conformation in model synthetic peptides: studies on peptide conformation and antigenicity"

Employment and Professional experience

Year(s)	
1990 – 1993	Postdoctoral fellow with Prof. A. R. Fersht, University of Cambridge, UK
1993 – 1996	Postdoctoral fellow with Prof. T. Leisinger, ETH Zurich, Switzerland
1996 – 2002	Assistant Professor, ETH Zurich
2001	Habilitation (Venia legendi), ETH Zurich, Habilitationsschrift (habilitation thesis): "Dichloromethane dehalogenases and beyond: bacterial glutathione S-transferases and associated metabolism"
Since 2002	Full Professor of Environmental Biology and Microbiology (1 ^{ère} classe; 2012: classe exceptionnelle, section CNU 65), Université Louis-Pasteur, since 2009 Université de Strasbourg, France; leader of the CNRS team "Adaptations et Interactions Microbiennes dans l'Environnement" (sections CNRS 21 and 30)

Honors, Awards and Scholarships

Year(s)	
1986 – 1990	Fellowship Fonds der Chemischen Industrie
1991 – 1993	Fellowship Schweizerischer Nationalfonds
1999	French habilitation (HDR, Section 32)
2002	Ranked 1 st , CNRS CR1 recruitment Section 20
2002	CNRS ATIP award
2014 – 2016	Vice Chair (2014), Chair (2016), Gordon Research Conference “Molecular Basis of Microbial One-Carbon Metabolism”
2018	Chair, International Sustainability Conference, Strasbourg

Selected Other Scientific Activities

Year(s)	
2002 – 2014	Member of the Realise Network (Réseau Alsacien des Laboratoires en Ingénierie et Sciences de l'Environnement)
2005 – 2009	Université Louis Pasteur partner of the European TEMPUS SWERC project with the University of Tyumen (Russia) led by University of Freiburg
2010 – 2014	UNISTRA partner of the European TEMPUS Qualfeem project with the University of Tyumen and other Universities in Siberia (Russia) led by University of Freiburg
2010 - 2014	Associated partner of the Marie Curie ITN CSI:Environment “Stable Isotope Forensics Meets Biogeochemistry” (joint supervision of one PhD student)
2010 – 2015	Participant for Strasbourg of the Interreg project OUI-Biomasse associating the Universities of Freiburg, Strasbourg, Basel, Koblenz-Landau, Haute Alsace and KIT Karlsruhe, as well as other associated partners and institutions.
Since 2013	Member of the scientific committee, EcotoxicoMic network
Since 2013	Participation in the interdisciplinary network "Fabrication et Domestication du Vivant" (CNRS), and then "la Vie à l'œuvre / Life in the making"
2014-2017	Participating partner of the ANR-DFG project CHLOROFILTER, on the isotopic chemistry and microbial genomics of CH ₃ Cl production and consumption
2015	Organisation of the trinational symposium "Environmental Microbiology and Biomass/Microbiologie de l'Environnement et Biomasse/Umweltmikrobiologie und Biomasse" as part of the Interreg project "OUI-Biomasse"
Since 2015	Participation in the interdisciplinary space mission project MMARS1 with International Space University (growth of <i>Methanosarcina barkeri</i> methanogen on the International Space Station, February-March 2017)
2016-2019	Scientific coordinator for University of Strasbourg and CNRS and Chair of the axis “transformation processes and technologies” of the Interreg project "Upper Rhine Cluster for Sustainability Research" (2016-2018)
2017	Organisation of the European Minisymposium "Microbial C1 Metabolism" (20 participants), Service Scientifique, Ambassade de France, London, 21/22.03 2017
2017-2022	Coordinator of the ANR project DEHALOFLUIDX on the function-driven discovery of new microbial dehalogenases
Since 2018	Participant in ANR project METACLOUD (2018-2023)
Since 2020	Member of the Directory Board of the Strasbourg Research Initiative in Sustainability and the Environment (RISE, french FERED)
Since 2022	Coordinator of the ANR project MICROFLUOR (2022-2024) on the discovery and selection of novel defluorinases for bioremediation; participant in ANR project MAHABIO (2022-2025) led by the team

Selected Other Academic Activities

Year(s)	
Since 1996	Member of VAAM and of ASM; 2003-2005 and then 2015, Member of AFEM
2003 – 2008	In charge of the interdisciplinary Master in Environmental Sciences and the Speciality "Physique, Chimie, Biologie de l'Environnement" Université Louis Pasteur
2008 - 2016	Member of the consultative "Comité des Sages" for allocation of PhD fellowships of Région Alsace (President, 2016)
Since 2012	In charge of the Master Speciality "Chemistry and Biology" and today "Chemistry Biology and Drug Design" of the Faculty of Chemistry of University of Strasbourg, for the Faculty of Life Sciences
Since 2013	Editorial Board " <i>Applied and Environmental Microbiology</i> "
2013	External member, recruitment committee, W1 junior professorship in Microbiology, University of Freiburg, Germany
2014 - 2017	Member of the scientific advisory board, French National Pôle de compétitivité Hydreos
Since 2019	Editorial Board " <i>FEMS Microbiology Ecology</i> "
2019-2020	Guest Editor of the special issue "Microbial One-Carbon Metabolism of Natural and Engineered Systems" in <i>Microorganisms</i>
Since 2021	Member of the board of the Faculty of Life Sciences, University of Strasbourg
Since 2021	President, Comité de Perfectionnement, diplôme de Master Mention Microbiologie, Université de Lorraine
Since 2023	Member of the CNRS MITI committee on PFAS

Student Training

Stéphane Vuilleumier has supervised or co-supervised 21 PhD theses (3 at ETH Zurich, 14 in Strasbourg), and currently supervises or co-supervises 5 PhD theses at University of Strasbourg. He also mentored 14 postdoctoral collaborators, and supervised or co-supervised around 45 MSc thesis and Diploma theses.

He has been on the PhD committee of 48 successfully defended PhD and habilitation theses in France and internationally (e.g. Radboud University, Nijmegen, The Netherlands; University of Oulu, Oulu, Finland; University of East Anglia, Norwich, U.K.; Universitat Autònoma de Barcelona, Barcelona, Spain; Wageningen University, Wageningen, The Netherlands; University of Hannover, Germany).

Scientific Record

Stéphane Vuilleumier is the author or co-author of 148 peer-reviewed articles (124 journal articles, 8 proceeding reports, 14 book chapters and one edited book ; h-index 36, 37 citations per publication on average (WoS Core Collection)).