

Maxime Ratinier

Ph.D in Biochemistry

Experience

2015 – Current	EPHE, Ecole Pratique des Hautes Etudes , Lyon, France Lecturer, Biology of Bunyavirales (Principal Investigator)
2008 – 2015	MRC – University of Glasgow Centre for Virus Research , Glasgow, UK Research Associate, Emerging Viruses and Arboviruses (Prof Massimo Palmarini)
2003 – 2007	Institut de Biologie et Chimie des Protéines (IBCP) , Lyon, France Ph.D student, Laboratoire de Bioinformatique et RMN Structurales (Dr J.P. Lavergne) <u>Thesis title</u> : Alternate Reading Frame Proteins (ARFPs) of Hepatitis C Virus (HCV) : determination of the molecular mechanisms involved in their production, cellular localisation and functional studies
06/2005 – 03/2006	Medical Research Council (MRC), Virology Unit , Glasgow, UK Ph.D student, EURODOC Award, Hepatitis C Virus laboratory (Dr John McLauchlan) Transcriptional slippage prompts expression of HCV ARFP-1a

Education

	Université Claude Bernard Lyon 1 (UCBL1), Villeurbanne, France
2003 – 2007	Ph.D, Biochemistry , <i>mention très honorable avec félicitations du jury</i> Biochemistry, Molecular and Cellular Biology, Microscopy, Bioinformatics
2004 – 2006	Academic degree, Project Management and Business Knowledge Industrial property, Competitive intelligence, Starting a business, Writing a patent application, Marketing, Project-base learning
2002 – 2003	Post-graduate Research master's degree, Biochemistry , <i>mention bien</i> Bioinformatics, Genetic engineering, Crystallography
2000 – 2002	Master's degree, Molecular and Cellular Biochemistry , <i>mention assez-bien</i> Immunology, Microbiology, Physiology applied to the Pharmacology and Toxicology

Skills/Qualifications

Scientific	Virology, Molecular and Cell Biology, Biochemistry, Confocal Microscopy, Immunofluorescence, qRT-PCR, Reverse Genetics, Transcriptomics, Bioinformatics analysis, Work performed at Special Animal Pathogens Order (SAPO, UK; MOT, France) level 4 and Advisory Committee on Dangerous Pathogens (ACDP, UK) level 3
Teaching	Tutorials and practice based teaching, Design and deliver a series of training modules, Students supervision and mentoring, Graduate Teaching Assistant (GTA) Statutory Training (2012), Supervisor and Research Integrity Workshops (2014)
IT	Microsoft Office, CorelDRAW Graphics Suite, Graphpad Prism, CLC Genomics Workbench, Ingenuity Pathway Analysis (IPA)
Membership	Society for General Microbiology, Société Française de Virologie

Roles and Responsibilities

Since 2018	Member of EPHE administrative council
Since 2018	Member of the teaching commission (EPHE)
Since 2018	Head of Infectiology pathway, PSL Master in Life Sciences (IMaGHE, Integrative Master for Global Health and Ecology)
2016-2021	Head of the BSL3 facility (SFR Biosciences, UMS3444/US8)
Since 2016	Member of the research unit council (IVPC)
Since 2013	Co-supervisor (4) and co-assessor (3) of Ph.D students
2013-2015	Co-chair (2011) and chair of the « Centre for Virus Research Travel Award » committee
2012	Co-organiser of the EU-sponsored workshop « BTV Reverse Genetics Workshop »
2010 – 2011	Organiser of the School of Veterinary Medicine internal seminar series
2009 – 2014	Organiser of the training module in Confocal Microscopy for PhD Students of the Programme “Molecules and Diseases” offered by the University of Glasgow and sponsored by the Wellcome Trust

Funding and awards

2021-2027	ESR/EQUIPEX+: Integrative and multidisciplinary tools for the study of infectious diseases from the wild to the lab – Infectiotron – € 4,365,000 (Participant)
2018-2021	Université de Lyon Scientific Breakthrough Program: “Microbial Impact on Insect Behavior: from Niche and Partner Choice to the Development of New Control Methods for Pests and Disease Vectors” – € 1,200,000 (WP leader)
2018-2021	GISA Métaprogramme INRA: « Virus-host-environment interplay and drivers behind pathogen emergence, spread and persistence: Rift Valley fever (RVF) as a case study» - INRA - €397,000 (coordinator)
2019-2020	ANR AAP MRSEI: Multi-Actor Knowledge on surveillance and control of Emerging vector-borne animal Diseases in Europe and Africa – € 30,000 (Participant)
2017	Technology Development Project: « Studying arboviruses-insect vectors interactions in BSL3 conditions » - SFR Biosciences – €7,3000
2016	Early career Researcher Award : « Deciphering Phleboviruses translational dynamics in Insect and Mammalian by ribosome profiling» - INRA Animal Health - €10,000
2015	Research Experience Placements Award: « Characterization of Bluetongue virus NS4 protein in insect cells » - BBSRC - £2500
2012	CVR Travel Award: « Identification and characterization of the fourth non-structural protein of bluetongue virus » - MRC – University of Glasgow Centre for Virus Research - £1000
2006 – 2007	Ph.D scholarship extension: « Alternate Reading Frame Proteins (ARFPs) of Hepatitis C Virus (HCV): determination of the molecular mechanisms involved in their production, cellular localisation and functional studies » - Agence Nationale de Recherche sur le sida et les hépatites virales, ANRS
2005 - 2006	EURODOC Award : « Détermination des mécanismes cellulaires impliqués dans l’expression de l’ARFP1a » - Région Rhône-Alpes - €3810
2003 - 2006	Ph.D scholarship: « Study of the ARFPs of HCV core protein » - Ministry of Education, Research and Technology