



Sylvie Ricard-Blum is Professor of Biochemistry at the University of Lyon, where she is the Coordinator of the Master programme in Biochemistry and Director of the Interdisciplinary Sciences - Health Doctoral school. Her work, based on the study of the structure - interaction - function relationships of the extracellular matrix, combines biochemistry, biophysics, bioinformatics, structural biology, and systems biology. Her laboratory has developed protein and glycosaminoglycan arrays to screen biomolecular interactions by surface plasmon resonance imaging and has built the extracellular matrix interaction database MatrixDB. Her major research interests are multimolecular complexes and interaction networks formed in the pericellular and extracellular matrix and their rewiring in pathological contexts such as Alzheimer's disease and host-pathogen interactions. She has identified new partners of a number of extracellular proteins, including endostatin, procollagen C-proteinase enhancer-1, membrane collagens, and glycosaminoglycans.

She has been Secretary (2001-2007) and President (2008-2012, 2014) of the French Society for Matrix Biology and organized the XXIst Federation of European Connective Tissue meeting in 2008. She is the current President of the International Society for Matrix Biology, member of the steering committee and editor of the HUPO Proteomics Standard Initiative (HUPO-PSI), and co-chair of the HUPO-PSI Molecular Interaction group.

At a glance

Current position

- **2004- present** Professor of Biochemistry (PREX2), University Lyon 1 (France)
- Leader of the team "Extracellular and Pericellular Supramolecular Assemblies"
UMR 5246 CNRS - University Lyon 1 (France)
- Coordinator of the Master program in Biochemistry and Molecular Biology since 2006
- Coordinator of the Master 2 program in Structural and Functional Biochemistry since 2006
- Deputy director of the Interdisciplinary Sciences-Health Doctoral School (EDISS, ED 205), University of Lyon 2013 - Aug. 2019
- Director the Interdisciplinary Sciences-Health Doctoral School (EDISS, ED 205), University of Lyon since Sept. 2019

Previous positions

- **1987-1997** Pasteur Institute, Lyon (France)
Assistant (1987- 1992) and Laboratory head (1992-1997)
- **1998-2004** Institute for Structural Biology CEA-CNRS-University Grenoble Alps (France)
Principal investigator

Training in Biochemistry

- PhD degree in Biochemistry University of Grenoble and Lyon 1
- Accreditation to supervise research University Lyon 1, 1993

Research interest: Extracellular matrix structure-interaction-function relationships

Biomolecular interactions, Extracellular matrix proteins, Glycosaminoglycans, Interaction databases, Interaction networks, Structural biology.

Award Bronze medal from the National Center of Scientific Research (CNRS, France) 1988

119 publications in peer-reviewed journals, 23 book chapters and proceedings

Membership in scientific committees and societies

- Secretary of the **French Society for Matrix Biology** (SFBMEc) 2001-2007
- President of the SFBMEc 2008-2012, 2014
- Contact person of the SFBMEc for FECTS/Matrix Biology Europe 2002-2016
- Member of the Council of the **International Society for Matrix Biology** (ISMB) since 2011
- Editor of the ISMB newsletter since 2016
- Vice-President of ISMB 2017-2018
- President of the ISMB 2019-2020
- Member of the Steering committee of **HUPO Proteomics Standard Initiative** (HUPO-PSI) since 2013
- Co-chair of the Molecular Interaction group of HUPO-PSI since 2013
- Editor of HUPO-PSI since 2016

Membership of Editorial boards

- Associate Editor of the Journal of Alzheimer's Disease 2015-2018
- Member of the Editorial Board of the Journal Matrix Biology (Elsevier) 2013-2016
- Associate Editor of Matrix Biology since 2016
- Associate Editor of Matrix Biology Plus since 2018