

Marie-France SAGOT – Senior Researcher Exceptional Class 2 (DRCE2) Inria

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Marie-France Sagot is currently head of the Inria European team ERABLE and of the CNRS-University of Lyon 1 BAOBAB team. Her main research interests concern computational biology, algorithm analysis and design, and combinatorics. As concerns computational biology, she is more specifically interested by comparative genomics, (co-)evolution, RNA structures, (co-)phylogeny, regulation, biological networks, NGS, and symbiosis. Since 2019, Marie-France Sagot is Fellow of the International Society of Computational Biology (ISCB, <http://www.iscb.org/iscb-fellows-program>).

Education

1991	BSc in Computer Science, University of São Paulo (USP), Brazil
1993	Master in Computer Science, University of Paris 7, France
1996	PhD in Theoretical Computer Science, University of Paris-Est Marne-la-Vallée, France
2000	Habilitation à Diriger les Recherches (HDR), University of Paris-Est Marne-la-Vallée, France

Scientific career

1995-1997	Assistant Professor, University of Paris-Est Marne-la-Vallée, France
1997-1998	Research and Development, Pasteur Institute, Paris, France
1998-2001	Junior Researcher (CR 1), Pasteur Institute, Paris, France
1998-2001	Associated Research Fellow, Institut Gaspard Monge, University of Paris-Est, France
2001-2003	Junior Researcher (CR 1), Inria at University of Lyon 1, France
2002-	Visiting Research Fellow, King's College, London, United Kingdom
2003-2009	Senior Researcher (DR 2), Inria at University of Lyon 1, France
2004-	Visiting Researcher, INESC-ID, Instituto Superior Técnico, Lisbon, Portugal
2010-2018	Senior Researcher (DR 1), Inria at University of Lyon 1, France
2019-2021	Senior Researcher Exceptional Class (DRCE), Inria at University of Lyon 1, France
2021-...	Senior Researcher Exceptional Class 2 (DRCE2), Inria at University of Lyon 1, France

Responsibilities

Since 1998	Member of various selection committees for permanent researcher positions or promotions, evaluation committees for research labs / departments or projects in France (Inria, Inra), Belgium, Canada, Germany, Israel, the Netherlands, Spain, Sweden, UK, USA
2014/16/18	Panel Member of the LS2 ERC Consolidator Grant
2000-2001	Head of the LAC Team, Pasteur Institute, Paris, France
2000-2005	Member of Steering Committee of the <i>French National Conference on Bioinformatics (JOBIM)</i>
2000-2016	Member of the Editorial Board of <i>Journal of Discrete Algorithms</i>
Since 2000	Member of the Editorial Board of <i>Lecture Notes in Bioinformatics</i> (subseries of <i>Lecture Notes in Computer Science</i>), <i>BMC Bioinformatics</i> , <i>BMC Algorithms for Molecular Biology</i>
2002-	Member of the Steering Committee of <i>European Conference on Computational Biology (ECCB)</i>
2004-	Head of the CNRS – University Lyon 1 Team BAOBAB, France
2004-2007	Founder and Director of the PhD Program on Computational Biology, IGC, Lisbon, Portugal
2004-2009	Member Editorial Board of <i>IEEE/ACM Transactions in Computational Biology and Bioinformatics</i>
2005-2010	Member of the CoNRS (“Comité national de la recherche Scientifique”) Interdisciplinary Commission 44 then 43 (“Modelling of biological systems and bioinformatics”)
2008-2010	Member of the CoNRS Section 01 (“Mathematics”)
2008-	Member of the Steering Committee of the <i>International Symposium on Bioinformatics Research and Applications (ISBRA)</i>
2009-2012	Editor in Chief of <i>IEEE/ACM Transactions in Computational Biology and Bioinformatics</i>
2010-	Head of the Inria Project-Team BAMBOO, now Inria European Project-Team ERABLE, France
2010-2016	Member of the Steering Committee of the <i>Latin American Theoretical INformatics (LATIN)</i>
2010-2015	Member of the “Conseil Scientifique (COS)” for the INRIA Grenoble Rhône-Alpes
2011-2014	Member of the Scientific Committee of the French Computer Science Society (“SIF”)
2012-2019	Co-head with A.T. Vasconcelos of the Laboratoire International Associé (LIA) LIRIO Brazil-France
2015-	Member of the Advisory Board of the CWI, Amsterdam, the Netherlands
2015-2020	Chair of the Evaluation Committee of the Maths and Computer Science Department of INRA
2014-2020	Panel member for the ERC Consolidator grants in 2014, 2016, 2018, and 2020

2019-2023 Committee member for Human Frontier Science Program
2022-... Member of the Advisory Board of the Dept. of Computational Biology of the Univ. of Lausanne

Supervision and participation to PhD and HDR committees

Since 1998 Supervision of 33 Master students
Since 1998 Main co-supervision of defended PhDs of L. Marsan, P. Blayo, J. Allali, P. Peterlongo, C. Lemaitre, L. Cottret, M.D.V. Braga, M. Deloger, V. Acuña, P. Simões, P. Milreu, C. Klein, P.-A. Farnier, G.A.T. Sacomoto, S. Higashi, B. Donati, M. Ferrarini, M. Wannagat, A. Julien-Lafferrière, L. Urbini, T. Pusa, L. Ishi, C. Moraga, I. Ziska, M. Borderes, Y. Wang
Supervision of defended PhD of V. Lacroix
Participation to the defended sandwich PhD of E. M. Rodrigues supervised by Y. Wakabayashi, U. São Paulo, Brazil
Participation to the defended PhDs of S. S. Adi, University of São Paulo, Brazil; J. C. de Melo and P. G. Fonseca, Fed. Univ. of Pernambuco, Brazil; C. Baudet, U. Campinas, Brazil
Participation to the defended sandwich PhD of S. Mucha supervised by A. Zaha, Fed. U. of Rio Grande do Sul, Brazil
Since 2013 Co-supervision with A. Oliveira of defended Portuguese PhD of A. Carvalho, with A. T. Freitas of defended French-Portuguese PhD of N. Mendes, Inst. Superior Técnico, Lisbon, and with T. Calamoneri of defended PhD of M. Gastaldello, Sapienza Univ. of Rome, Italy
Co-supervision with S. Vinga of PhD in progress of A. Veríssimo, IST, Lisbon, Portugal
Since 1998 Main co-supervision in progress of PhD of N. Homberg
Participation to 49 PhD committees, 36 as referee, and to 8 HDR committees as referee in France and Brazil, Belgium, Finland, Germany, Italy, Norway, Portugal, Switzerland

Organisation, participation to Program Committees, and chairing of International Conferences

Since 1999 Participation to the Program Committee of around 105 International Conferences including *WABI, CPM, SPIRE, ESA, RECOMB, ISMB, ECCB*
2003 Organisation and chair of *European Conference on Computational Biology (ECBB)*
2007 Chair of *Brazilian Symposium on Bioinformatics (BSB)*
2009 Organisation and chair of *International Symposium on Intelligent Systems for Molecular Biology (ISMB)* and *European Conference on Computational Biology (ECBB)*
2011 Chair of *Workshop on Algorithms for Bioinformatics (WABI)*
2012 Chair of *RECOMB Satellite Workshop on Comparative Genomics (RECOMB-CG)*
2012 Chair of *ISMB 2012 Applied Bioinformatics Area*
2014 Co-organisation of *European Conference on Computational Biology (ECCB)*
2021 Co-chair of *ISMB-ECCB* in Lyon

Funding ID

Until 2010 Coordination of 3 national/10 international, participation to 8 national/3 international projects
2009-2012 Coordination of ANR Blanc MIRI
2010-2015 Coordination of ERC Advanced Grant Sisyphe
2012-2013 Coordination of French-Brazil Inria-Faperj project RAMPA
2012-2020 Participation to Labex project Ecofect, co-responsible for Research Axis 1 – Networks
2013-2016 Coordination of French-Brazil CAPES-COFECUB project
2013-2016 Participation to ANR Blanc Colib'road
2013-2016 Participation to Inserm project EXOMIC
2013-2016 Participation to European FP7 KBBE project BachBerry
2015-2017 Coordination of an Inria Associated Team, Alegria, with Fiocruz-PR, Paraná, Brazil
2015-2019 Participation to European H2020-MSCA-ETN-2014 project MicroWine
2016-2018 Coordination of a STIC AmSud project MAIA with Brazil and Chile
2016-2020 Participation to ANR project ASTER
2018-2021 Participation to ANR project GREEN
2018-2020 Coordination of an Inria Associated Team, Compasso, with IST and U. Lisboa, Lisbon, Portugal
2020-2022 Coordination of an Inria Associated Team, Capoeira, with USP, São Paulo, Brazil
2020-2023 Coordination of Capes-Cofecub project Ahimsa with Fiocruz, Curitiba, Brazil
2021-2023 Partner of a H2020 Twinning project Olissipo with IST, Lisbon, Portugal as coordinator, as well as EMBL, Heidelberg, Germany and ETH, Zürich, Switzerland as other partners

Publications

A full list is available at the following address: <http://team.inria.fr/erable/en/marie-france-sagot/publications/>.