

Sonia Bourguiba-Hachemi

PhD | Researcher | Project Manager /Coordinator

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CR2TI-INSERM UMR1064-Team 3 iTHINK

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EDUCATION

- 2003 PhD in Molecular and Cellular Biology
University of Caen / Oestrogènes et Reproduction EA2806/ Normandie, France.
"Regulation of Aromatase gene expression in germ cells from male adult rat". [PubMed](#)
Supervisor: Dr. Serge CARREAU, Research Director, CNRS
- 1999 DEA, Postgraduate degree (1 year) following my Master in Cellular Biology
University of Caen / Oestrogènes et Reproduction EA2806/ Normandie, France.
- 1997 Master in Biochemistry and Molecular Biology
University of Strasbourg, France.

CURRENT POSITION

- Dec. 2021 – Researcher & Projects Coordinator / Manager
Nantes Université | CR2TI UMR1064
"iTHINK" Team3 [integrative Transplantation, HLA, Immunology and geNomics of Kidney injury]
- SNP-HLA Reference Consortium (SHLARC) Coordinator
 - Neurogenetic and Multi-layer Omics of Neuroinflammation: NeuroMOTION project.
- "NEMO" Team5 [NEuroinflammation, Mechanisms and Therapeutic Options]
- Multiple Sclerosis Genetics Projects Manager (OFSEP & IMSGC)
 - NeuroDINet: Neuroinflammation Diseases Immune-omics familial study Network project.

Publications [PubMed](#)

ACADEMIC QUALIFICATIONS

- 2020-2024: Qualified for University Lecturer positions (MCU)
CNU Sections: 64 (Biochemistry and Molecular Biology)
65 (Cell Biology)
66 (Physiology)
87 (Basic and Clinical Biological Sciences)

PREVIOUS POSITIONS

- 2011 – 2017 Assistant Professor, Program Coordinator
College of Graduate Studies / Life Sciences Department, Health Biotechnology Program/ Arabian Gulf University/ Bahrain.
- Research Projects, as a Co-Investigator:
 - Molecular Design and development of biodrugs: anti-cancer therapeutic monoclonal antibody tailored to the genetic makeup of patients.- Structural Biology and Adhesion Molecule in Inflammation [[PubMed](#), [Iarjset](#)].- Pharmacogenetics of cancers [[IJCR](#)].- Molecular Genetics of Multiple Sclerosis [[PubMed](#)].
- 2005 – 2010 Postdoctoral Fellow / Senior Research Scientist
Physiology Department, University of Turku/ Institute of Biomedicine / Finland
Professor Jorma Toppari's Lab.- "Transcriptional regulation of spermatogenesis by retinoblastoma proteins Rb and E2F transcription factors: Use of Transgenic mice" [[Pubmed](#)]. - "hedgehog" signalling in rat testis. [[Pubmed](#)]

- 2003 – 2005 Postdoctoral Fellow
Faculty of Biology/ Endocrinology Department, Utrecht University/ Netherlands
Professor Dirk de Rooij's Lab.- "Identification of critical rat testicular genes altered after androgenic disruption by flutamide : Use of DNA microarray (ENDISRUPT)"
- 2001-2003 Study Manager, I.R.I. Servier (Part-time)
- 1999 – 2003 Doctoral Researcher
Université de Caen / Laboratory of Estrogens and Reproduction EA2806 / France
Dr Serge Carreau's Lab.- "Regulation of Aromatase gene expression in germ cells from male adult rat"
- 1999-2000 Temporary Lecturer, Department of Computer Science, Université de Caen,

FELLOWSHIPS AND AWARDS

- 2023 Call for tenders 2023 "Support for the organization of scientific events by Nantes Université" (40K€) / Nantes Métropole & the Pays de la Loire Région / France
- 2012-2017 Research grants (25K€/year) / Arabian Gulf University/ Bahrain
- 2007-2009 Turku University Hospital /Turku University/Finland
- 2008 Finnish Cultural Foundation (Regional fund, 8k€) / Turku University/ Finland
- 2007-2009 Finnish Academy Grant (180k€): Post-doctoral researcher's project /Turku University/Finland
- 2003-2004 EU-program, specific RTD program "Quality of life and management of living resource"
QLRT-2000-00684 ENDISRUPT/Netherlands

MENTORSHIP

- 2001–17 Supervised Postdoc (1)/ PhD (5)/ Masters (7)/more than 50 interns and technical staff
AGU-Bahrain, University of Turku -Finland, Utrecht University- Netherlands, University of Caen- France

TEACHING ACTIVITIES

- 2012- 2017 Assistant Professor- College of Graduate Studies / Life Sciences Department, Health Biotechnology Program/ Arabian Gulf University/ Bahrain
Health Biotechnology Master and PhD program: Current concepts in Biotechnology, Research methodology, Genetics in Medicine, Experimental Biochemistry, Advanced Cellular Technologies, Translational Genomics, and Genetic Testing.
- 2006-2009 University of Turku, Finland
Laboratory Courses: Animal Handling, Molecular Biology Techniques, Primary and Cell Line Cultures.
- 2004 University of Utrecht, Netherlands
Laboratory Courses: Molecular Biology Techniques, Histology, and Immunohistochemistry.
- 2000 Teaching Assistant / Université de Caen, France
Excel functions for first-year biology students

ORGANISATION OF SCIENTIFIC MEETINGS

- 2024 SHLARC-SIP JOINT SYMPOSIUM « Bridging Perspectives from the SHLARC and the SIP » May 24 in Nantes -Local Organizing Committee
- 2023 36th European Immunogenetics and Histocompatibility Conference «Big Data In Immunogenetics At The Crossroads Of Care, Tools, And Research» EFI2023, April 26-29 in Nantes -Local Organizing Committee
- 2012 2nd Bioinformatics workshop- LOC/ Arabian Gulf University/ Bahrain.
- 2008 15th European Testis Workshop/ LOC/ Naantali, Finland.
- 2008 1st International Meeting for Young Researchers in Male Fertility/ LOC/ Naantali, Finland

INSTITUTIONAL RESPONSIBILITIES

2012-2017 Faculty Member of the Biotechnology PhD program scientific committee/AGU/Bahrain
2012-2017 Member of Master examination committee/AGU/Bahrain
2012-2017 Member of the Life Sciences Department Academic Committee/AGU/Bahrain
2008-2010 Histology lab. Manager at the Department of Physiology/ Turku University/ Finland
2001-2003 Project Assistant, SERVIER laboratories - EA2806 Laboratory/University of Caen/ France

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2022 - Member of the European Federation for Immunogenetics (EFI)
2012 - Member of the Middle East Molecular Biology Society – MEMBS

COLLABORATIONS

- SNP-HLA Reference Consortium.
- International HLA & Immunogenetics Workshop.
- Karolinska Institute, Neuroimmunology Unit, Department of Clinical Neuroscience (Sweden).
- University of North Carolina, Charlotte, USA.
- International Multiple Sclerosis Genetic Consortium (IMSGC).