

## DURAND Béatrice Claude

SCIENTIST – PRINCIPAL INVESTIGATOR - CRHC CNRS -ORCID [0000-0002-0047-288X](#)

Ph.D, HDR, Certification for Experimental Use of Vertebrates (N° 75-1548).

<https://cv.archives-ouvertes.fr/beatrice-durand>

<https://exaly.com/author/2417031/beatrice-durand/h-index>

h-index excluding self-citation 24 - Citations (1th of January 2022) 4030



## PRESENT

Sorbonne Université CNRS UMR7622 – Developmental Biology Laboratory - Campus Jussieu, Bâtiment C 7ème étage, boîte 24 9 Quai Saint Bernard 75005 Paris France

Email : [beatrice.durand@sorbonne-universite.fr](mailto:beatrice.durand@sorbonne-universite.fr) ou beatrice.durand@cnrs.fr Tel 33 06 75 02 26 69

## CURRICULUM AND RESEARCH EXPERIENCE.

2019-present: Scientific Research "A lock on T-cell factor transcriptional activity in Neural Development".

2014-2019: Scientific Research Institut Curie Orsay. "A lock on T-cell factor transcriptional activity in Neural Development".

2007-2014: Scientific Research - IBENS Paris - "Growth and Morphogenesis of the Caudal Forebrain."

2003- 2006: CNRS - Pasteur Institute, Paris. "Growth and Morphogenesis of the Caudal Forebrain."

1998-2002: EMBO Fellow. Baylor College of Medicine Houston - Texas, USA. (**Pr. M. Jamrich**) "Barhl2: A Diencephalic Determinant".

1994-1998: Human Research Frontier Fellow. University College London - London U.K. (**Pr. Martin Raff**) Human Research Frontier Fellowship "An Intrinsic Clock Mechanism that Limits Oligodendrocyte Precursor Cell Proliferation."

1987-1993: Ph. D. thesis. Supervisor: **Pr P. Chambon**. "Cellular Analysis of the Molecular Response to Retinoic Acid (RA) (9-cis RA et all-trans RA) via its Nuclear Receptors (RAR et RXR)."

1983-1986: Ecole Normale Supérieure Saint-Cloud. Agrégation de Biochimie Génie Génétique, First Rank.

## SCIENTIFIC LEADER, ADMINISTRATIVE AND TEACHING RESPONSIBILITIES

**IMPLEMENTATION** of scientific projects from their conception to their development and publication, together with the supervision of the scientific, technical and management aspects with scientists, students and technical staff.

**ADVISOR** of PhDs (3), postdoctorates (2), students/technicians (18).

**EXPERTISE** for scientific journals, grant agencies, PhD and HDR reports, recruitment committees.

**ORGANIZATION** of the "**European Amphibian Club 2017 and 2019**" and scientific club: "**Xenopariens**".

**EDITOR** for Journal of Developmental Biology

**FUNDINGS:** LNCC (2019-2022) 45K€ - FPGG (2013) 150K€ - ARC Project (2009) 50K€- ANR Switch 300K€.

**TEACHING:** Neuroscience Course of the Pasteur Institute "**Development and Plasticity of the Nervous System**". Teaching Assistant in the National School of Biotechnology in Strasbourg (E.N.S.B.S) - French National Education School teacher of Biochemistry and Cell Biology High school level -

## RECENT AND SIGNIFICANT PUBLICATIONS (out of 28 without book Chapters))

1. Bou-Rouphaël J and **Durand BC** (2021) T-Cell Factors as Transcriptional Inhibitors: Activities and Regulations in vertebrate Head Development. *Front. Cell Dev. Biol.* 9:784998. doi: 10.3389/fcell.2021.784998
2. Sena E, Bou-Rouphaël J, Rocques N, Carron-Homo C and **Durand BC** "Mcl1 protein levels and Caspase-7 executioner protease control axial organizer cells survival" (2020) *Dev. Dyn.* ( <https://doi.org/10.1002/dvdy.169>)
3. Sena E, Rocques N, Borday C, Muhamad Amin HS, Parain K, Chesneau A, Sitbon D and **Durand BC** Barhl2 maintains T cell factors as repressors and thereby switches off the Wnt/β-Catenin response driving Spemann organizer formation. *Development*. 2019;146(10):dev173112. Published 2019 May 22. doi:10.1242/dev.173112
4. H. A. Juraver-Geslin, J. L. Gomez-Skarmeta, **B. C. Durand**, The conserved barH-like homeobox-2 gene barhl2 acts downstream of orthodenticle-2 and together with iroquois-3 in establishment of the caudal forebrain signaling center induced by Sonic Hedgehog. *Dev Biol*, 396 (2014) 107–120.
5. Hugo A Juraver-Geslin<sup>1</sup>, Jérôme J Ausseil<sup>2†</sup>, Marion Wassef<sup>1</sup> and **BC Durand**<sup>1</sup>, "Barhl2 limits growth of the diencephalic primordium via Caspase3 inhibition of β-catenin activation" *2011 Proc Natl Acad Sci U S A* **108**, 2288 (Feb 8, 2011).

## RECENT INVITED SEMINARS

2022 European Amphibian Club 2022 Ghent BE.

2019 European Amphibian Club 2019 Lutherstad GR.

2018 VIB-UGent Center for Inflammation Research. Ghent Belgium

2017 European Amphibian Club 2017 (28th-30th June 2017), Rennes FR.

2016 Mount Sinai Hospital - NYC - New York, USA

## COLLABORATIONS

1- Prof. Rachel Sherrard (ORCID: 0000-0002-6595-3545) IBPS/B2A Réparation des Réseaux neuronaux (Paris, FR)

2- Dr. Bassem Hassan (ORCID: 0000-0001-9533-4908) Institut du Cerveau et de la Moelle (Paris, FR)

3- Prof. Stefan Hoppler (ORCID: 0000-0003-0730-4798) University of Aberdeen (Scotland, UK)