



Allison Bardin Chef d'équipe

EQUIPE BARDIN

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Education:

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| 2003 | Ph.D., Biology | Massachusetts Institute of Technology |
| 1997 | B.A., Biochemistry | University of California, Berkeley |

Research Experience:

- September 2010-present: Group Leader of Stem Cell and Tissue Homeostasis team in the Department of Developmental Biology and Cancer at the Institut Curie, DR2 CNRS (CNRS UMR 3215/ Inserm U934), *Investigating novel mechanisms regulating adult stem cells using the Drosophila adult intestine.*
- 2006-August 2010: Research scientist CR2 CNRS in the lab of Dr. Francois Schweisguth. Institut Pasteur, CNRS URA 2578 (Ecole Normale Supérieure, CNRS UMR8542 until 2008) *Investigating mechanisms controlling the fate and differentiation potential of adult stem cell in the Drosophila intestine.*
- 2003-2005: Post-doctoral research fellow in the laboratory of Dr. François Schweisguth. Ecole Normale Supérieure CNRS UMR8542, Paris. *Uncovered the role of the Bearded family of proteins in Notch signaling as negative regulators of the E3 ubiquitin-ligase Neuralized*
- 1998-2002: Ph.D. student in the laboratory of Professor Angelika Amon, Center for Cancer Research, Massachusetts Institute of Technology, USA. *Studied mitotic exit of the cell cycle in budding yeast.*
- 1997-1998: Research assistant in the laboratory of Professor Stephen Jackson at the Wellcome/CRC Institute at Cambridge University, UK. *Investigated RNA polymerase in Archaea.*

Awards

- 2017 Laureate of the Schlumberger Foundation for Education and Research
- **2016 Bronze Medal of the CNRS** (Centre Nationale de la Recherche Scientifique)
- 2014-present: Prime d'Excellence Scientifique, CNRS
- 2004-2006 Human Frontier Science Program long-term post-doctoral fellowship 2003-2004
EMBO long-term post-doctoral fellowship

Addition Scientific Activities:

- Director of a French Stem Cell Network (Groupement de Recherche 'Stem Cells' #3740) composed of 30 teams throughout France: www.stemcells-live.fr
- Committee Member Foundation ARC (CS3)
- Co-Organizer, The Paris Fly meeting 2014
- Co-Organizer, The Notch Meeting 2013

Publications clés

Année de publication : 2019

Gervais L, van den Beek M, Josserand M, Sallé J, Stefanutti M, Perdigoto CN, Skorski P, Mazouni K, Marshall OJ, Brand AH, Schweisguth F, Bardin AJ (2019 May 20)

Stem Cell Proliferation Is Kept in Check by the Chromatin Regulators Kismet/CHD7/CHD8 and Trr/MLL3/4

Developmental Cell : DOI : <https://doi.org/10.1016/j.devcel.2019.04.033>

Année de publication : 2018

Maheva Andriatsilavo, Marine Stefanutti, Katarzyna Siudeja, Carolina N Perdigoto, Benjamin Boumard, Louis Gervais, Alexandre Gillet-Markowska, Lara Al Zouabi, François Schweisguth, Allison J Bardin (2018 Nov 20)

Spn limits intestinal stem cell self-renewal.

PLoS genetics : e1007773 : DOI : [10.1371/journal.pgen.1007773](https://doi.org/10.1371/journal.pgen.1007773)

Année de publication : 2017

Louis Gervais, Allison Bardin (2017 Jun 30)

Tissue homeostasis and aging: new insight from the Fly intestine

Current Opinion in Cell Biology : DOI : [10.1016/j.ceb.2017.06.005](https://doi.org/10.1016/j.ceb.2017.06.005)

Jérémy Sallé, Louis Gervais, Benjamin Boumard, Marine Stefanutti, Katarzyna Siudeja, Allison J. Bardin (2017 May 22)

Intrinsic regulation of enteroendocrine fate by Numb

EMBO Journal : DOI : [10.15252/embj.201695622](https://doi.org/10.15252/embj.201695622)

Année de publication : 2015

Katarzyna Siudeja, Sonya Nassari, Louis Gervais, Patricia Skorski, Sonia Lameiras, Donato Stolfa, Maria Zande, Virginie Bernard, Thomas Rio Frio, Allison J Bardin (2015 Dec 3)

Frequent Somatic Mutation in Adult Intestinal Stem Cells Drives Neoplasia and Genetic Mosaicism during Aging.

Cell stem cell : 663-74 : DOI : [10.1016/j.stem.2015.09.016](https://doi.org/10.1016/j.stem.2015.09.016)

Delphine Gogendeau, Katarzyna Siudeja, Davide Gambarotto, Carole Pernetier, Allison J Bardin, Renata Basto (2015 Nov 17)

Aneuploidy causes premature differentiation of neural and intestinal stem cells.

Nature communications : 8894 : DOI : [10.1038/ncomms9894](https://doi.org/10.1038/ncomms9894)

Année de publication : 2013

Juliette Mathieu, Clothilde Cauvin, Clara Moch, Sarah J Radford, Paula Sampaio, Carolina N Perdigoto, François Schweisguth, Allison J Bardin, Claudio E Sunkel, Kim McKim, Arnaud Echard, Jean-René Huynh (2013 Aug 12)

Aurora B and cyclin B have opposite effects on the timing of cytokinesis abscission in *Drosophila* germ cells and in vertebrate somatic cells.

Developmental cell : 250-65 : DOI : [10.1016/j.devcel.2013.07.005](https://doi.org/10.1016/j.devcel.2013.07.005)

Carolina N Perdigoto, Allison J Bardin (2013 Feb 4)

Sending the right signal: Notch and stem cells.

Biochimica et biophysica acta : 2307-22 : DOI : [10.1016/j.bbagen.2012.08.009](https://doi.org/10.1016/j.bbagen.2012.08.009)

Mahéva Andriatsilavo, Louis Gervais, Clara Fons, Allison J Bardin (2013 Jan 25)

[The *Drosophila* midgut as a model to study adult stem cells].

Médecine sciences : M/S : 75-81 : DOI : [10.1051/medsci/2013291016](https://doi.org/10.1051/medsci/2013291016)

Année de publication : 2012

Joaquín de Navascués, Carolina N Perdigoto, Yu Bian, Markus H Schneider, Allison J Bardin, Alfonso Martínez-Arias, Benjamin D Simons (2012 May 30)

***Drosophila* midgut homeostasis involves neutral competition between symmetrically dividing intestinal stem cells.**

The EMBO journal : 2473-85 : DOI : [10.1038/emboj.2012.106](https://doi.org/10.1038/emboj.2012.106)



Membres de l'équipe Cellule souche et homéostasie tissulaire

Année de publication : 2011

Carolina N Perdigoto, Francois Schweisguth, Allison J Bardin (2011 Sep 28)

Distinct levels of Notch activity for commitment and terminal differentiation of stem cells in the adult fly intestine.

Development (Cambridge, England) : 4585-95 : [DOI : 10.1242/dev.065292](https://doi.org/10.1242/dev.065292)

Année de publication : 2010

Allison J Bardin, Carolina N Perdigoto, Tony D Southall, Andrea H Brand, François Schweisguth (2010 Feb 12)

Transcriptional control of stem cell maintenance in the *Drosophila* intestine.

Development (Cambridge, England) : 705-14 : [DOI : 10.1242/dev.039404](https://doi.org/10.1242/dev.039404)