

SOLENN PATALANO, Ph.D

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EDUCATION AND QUALIFICATIONS

- 2014 **Lecturer qualification** from the French Government – Cellular biology – Molecular biology and Biochemistry –Biology of Organisms – Neuroscience
- 2011 **European PhD qualification** (EUROBIO recognition for mobility and adaptability in new working environment)
- 2008 **PhD in Cellular, Molecular and Developmental Biology**
Pharmacology School, University of Nice-Sophia, Nice, France / Centre for Genomic Regulation, Barcelona, Spain
- 2002 **MSc. in Biology and Cellular Physiology**
University of Nice Sophia-Antipolis, Nice, France
- 2001 **BSc. in Biology of the Organisms**
University of Francois Rabelais, Tours, France

RESEARCH POSITIONS

- 2018 **Marie Curie Research Fellow**
Project: Ecological influence in Epigenetic-mediated Learning and Memory formation in Honeybee (MeeLiH)
- 2017 **Career Break (see "OTHER RELEVANT SKILL AND EXPERIENCE")**
- 2011 – 2016 **Postdoctoral Researcher**
Epigenetics lab of Dr Wolf Reik (FRS), Babraham Institute, Cambridge, UK
Project: DNA methylation Dynamics in Social Insects Societies
- 2009-2010 **Research Associate**
Zoological Society of London, lab of Dr Seirian Sumner London Zoo, UK
Project: Gene expression study in castes of *Polistes* wasps
- 2003-2008 **PhD Student**
Centre for Genomic Regulation, lab of Dr Fatima Gebauer, Barcelona, SP
Project: Translational mechanisms for *Drosophila* dosage compensation

INTERNATIONAL PEER-REVIEWED PUBLICATIONS

Bibliometric analysis according to each scientific Journals Nov 2018

- 14 IUSSI consortium authors including **Patalano S.** (2017). Deconstructing Superorganisms and Societies to Address Big Question in Biology. *TREE* 32 (11), 861-872 *Citations=4, Impact Factor (2016)=15.268* DOI: [10.1016/j.tree.2017.08.004](https://doi.org/10.1016/j.tree.2017.08.004)
- Patalano S.** et al. (+25 authors) (2015). Molecular signatures of plastic phenotypes in two eusocial insect species with simple societies. *PNAS* 112 (45), 13970 - 13975. *Citations=80, Impact Factor (2016)=9.661* DOI: [10.1073/pnas.1515937112](https://doi.org/10.1073/pnas.1515937112)
- Cini A., **Patalano S.**, Segonds-Pichon A., Bursby G., Cervo R., Sumner S. (2015). Social parasites and the molecular basis of phenotypic evolution. *Frontiers in Genetics* 6, 32. **Joint first authors.** *Citations 17, Impact Factor (2016)=3.92* DOI: [10.3389/fgene.2015.00032](https://doi.org/10.3389/fgene.2015.00032)
- Ferreira P.G., **Patalano S.**, Chauhan R., French-Constant R., Gabaldon T., Guigo R. Sumner S. (2013). Transcriptome analyses of primitively eusocial wasps reveal novel insights into the evolution of sociality and the origin of alternative phenotypes. *Genome Biology*. Feb 26;14(2):R20. *Citations=105, Impact Factor (2016)=11.908* DOI: [10.1186/gb-2013-14-2-r20](https://doi.org/10.1186/gb-2013-14-2-r20)
- Patalano S.**, Hore T.A., Reik W., and Sumner S. (2012). Shifting behaviour: epigenetic reprogramming in eusocial insects. *Curr Opin Cell Biol.* 24, 367-73. *Citations=44, Impact Factor (2016)=9.9337* DOI: [10.1016/j.ceb.2012.02.005](https://doi.org/10.1016/j.ceb.2012.02.005)

6. Lengronne T., Leadbeater E., **Patalano S.**, Dreier S., Field, J., Sumner S., and Laurent K. (2012). Little effect of seasonal constraints on population genetic structure in eusocial paper wasps. *Ecology and Evolution* 2(10):2615-24. *Citations=7, Impact Factor (2016)=2.44* DOI: [10.1002/ece3.366](https://doi.org/10.1002/ece3.366)
7. **Patalano S.**, Mihailovich M., Belacortu Y., Paricio N., and Gebauer F. (2009). Dual sex-specific functions of Drosophila Upstream of N-ras in the control of X chromosome dosage compensation. *Development* 136, 689-698. *Citations=17, Impact Factor (2016)=5.843* DOI: [10.1242/dev.027656](https://doi.org/10.1242/dev.027656)
8. Abaza I., Coll O., **Patalano S.**, and Gebauer F. (2006). Drosophila UNR is required for translational repression of male-specific lethal 2 mRNA during regulation of X-chromosome dosage compensation. *Genes Dev* 20, 380-389. *Citations=69, Impact Factor (2016) = 9.413* DOI: [10.1101/gad.371906](https://doi.org/10.1101/gad.371906)
9. **Patalano S.**, Pruliere G., Prodon F., Paix A., Dru P., Sardet C., and Chenevert J. (2006). The aPKC-PAR-6-PAR-3 cell polarity complex localizes to the centrosome attracting body, a macroscopic cortical structure responsible for asymmetric divisions in the early ascidian embryo. *Journal of cell science* 119, 1592-1603. *Citations=57, Impact Factor (2016) = 4.431* DOI: [10.1242/jcs.02873](https://doi.org/10.1242/jcs.02873)

FUNDING

2018- 2020	H2020 – Marie Curie Research fellowship
2011- 2016	Wellcome Trust Post-Doctoral Fellowship
2009- 2010	NERC Research Assistant Fellowship
2008	CRG studentship Fellowship
2003- 2007	Spanish Government PhD Fellowship

OTHER RELEVANT SKILLS AND EXPERIENCES

Scientific research expeditions

- **2018** – 3 Months - Greece **Field Coordinator – Project leader**
Mission: A. mellifera memory dynamic under various habitats
- **2017** – 1 Month – Greece **Field Coordinator – Project leader**
Mission: A. mellifera memory under natural and semi-natural conditions
- **2012** – 2 Months – Panama **Field Coordinator – Project leader**
Mission: P. canadensis wasps organisation, Behavioural manipulations and tracking
- **2010** – 3 Months – Panama **Field Assistant - Project leader**
Mission: P. canadensis wasps organisation, Behavioural observations and tracking
- **2009** – 3 Months – Panama **Field Assistant**
Mission: P. canadensis wasps organisation, Behaviour and Radio Frequency Identification Tracking

Scientific events organisation

- 2017 – present** – CITIZEN SCIENCE PROJECT– **Main Coordinator** for the survey of the bee losses in Greece for the international organization “COLOSS” (Facebook: [Greek bee force](https://www.facebook.com/greekbee))
- 2011 – 2015** – “CAMBRIDGE EPIGENETIC CLUB” – Outstanding scientific talks – **Coordinator** of the organizing committee (team of 6) Trimestral, Cambridge (UK)
- 2015** – SYMPOSIUM– “Comparative sociogenomics: the importance of choosing your tools” **Coordinator** (team of 3). In association with IUSSI, Bristol (UK)
- 2006** – STUDENT SYMPOSIUM – between CRG and CMIMA Institutes” **Coordinator** of the organizing committee (Team of 3) Barcelona (Spain)

Outreach activities

- 2018** – DISCOVERY DAY – “Discovering the importance and life of the bees” **Instigator** of one day school activities (100 children, 5 teachers) In partnership with local beekeepers, St Basil (Gr)
- 2012 & 2013** – EXHIBITION – **Contributor** of the Epigenetic Exhibition for the Royal Society of London and Cheltenham Science Festival (UK)
- 2008** – SCIENTIFIC CAFES – “ “SCIENCE MEETS SOCIETY” **Coordinator** of the organizing committee (team of 6). In collaboration With PRBB (Parc de Reserca de Biomedica de Barcelona) and CCCB (Centro Comtemporano de la Cuidad de Barcelona), Barcelona (Spain)

Languages **French:** native proficiency, **Spanish:** full professional proficiency, **English:** full professional proficiency, **Greek:** B2 level: accelerate 8 months course (2017) at the Modern Greek Language Centre, University of Athens, Greece.

Trained Beekeeper with the Cambridge Beekeeper association