

# David Mas-Ponte

Bioinformatician

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## Education

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|-----------|---|
| 2015–2017 | <b>M.Sc. in Bioinformatics for Health Science</b><br>Universitat Pompeu Fabra, Barcelona, Spain.<br><i>Specialization in Genomics - GPA: 9 / 10</i> |
| 2014      | Exchange Student<br>McGill University, Montreal, Canada.<br><i>Academic international exchange</i>  |
| 2011–2015 | B.Sc. in Biotechnology<br>Universitat Autònoma de Barcelona, Spain.<br><i>GPA: 8.5 / 10</i>   |

## Research Experience

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|----------------|--|
| Jul 2016-today | <b>Centre for Genomic Regulation (CRG)</b> - <i>Master Science Research Thesis</i><br>My Master Thesis is focused in the link between lncRNAs' subcellular localization and their function. I have also developed a web-based DB using R and SQL to make sub-cellular expression data available to the scientific community. <b>Roderic Guigo's Lab, tutored by Rory Johnson.</b>  |
| 2015-2016      | <b>Institute of Evolutionary Biology (IBE)</b> - <i>Part time Research Internship</i><br>I studied the evolutionary processes surrounding the RHD gene in Western Mediterranean populations in order to unravel demographic ( <i>drift</i> ) or adaptive ( <i>selection</i> ) processes. <b>David Comas' Lab</b>   |
| 06-08 2014     | <b>Molecular Biology Institute of Barcelona (IBMB)</b> - <i>Research Internship</i><br>I took part in the study of the CIC (CapICua) protein in Drosophila development. I gained research skills in fruit fly genetics, in <i>in situ</i> hybridization and in recombinant DNA techniques for CRISPR/Cas9 set up. <b>Gerardo Jimenez's Lab</b>   |
| 06-07 2012     | <b>Centre for Research in Agricultural Genomics (CRAG)</b> - <i>Research Internship</i><br>I participated in the study of causal mutations from a group of neuronal intermediate filament inclusion disease (NIFID) patients and their functional significance. I also took part in the sequencing process of a region in transgenic mice which developed a similar phenotype. <b>Tutored by Alex Clop in the Animal Genomic Department.</b> |

## Code

Good	Python, SQL & R
Fair	Perl, Shell, git & L <sup>A</sup> T <sub>E</sub> X
Learning	JavaScript (D3.js)

## Publications & Conferences

2017	David Mas-Ponte, Joana Carlevaro-Fita, Emilio Palumbo, Toni Hermoso Pulido, Roderic Guigo, and Rory Johnson. Lncatlas database for subcellular localization of long noncoding rnas. <i>Rna</i> , 23(7):1080–1087, 2017 - <i>Peer-reviewed Journal</i>
2016	Andre Flores-Bello, David Mas, Miruna Rosu, and David Comas. Genetic analysis and evolution of rh blood group system in basques. In <i>6th international conference of the series: DNA Polymorphisms in Human Populations, Musée de l'Homme, Paris, December 2016</i> - <i>Peer-reviewed Conference - Poster</i>

## Languages

Catalan	Mother tongue
Spanish	Bilingual Proficiency
English	Fluent (FCE 2011)

## Scholarships & Awards

2015-2016	MECD - COLAB - <i>Fellowship</i>  I was awarded with the Beca de Colaboracion (Collaboration Fellowship) in Department of Experimental and Health Sciences UPF by Ministerio de Educacion, Cultura y Deporte to collaborate in David Comas Lab.
Sep-Oct 2015	JAE INTRO - CSIC - <i>Fellowship</i>  I was awarded with a JAE INTRO fellowship in Institute of Evolutionary Biology by Consejo Superior de Investigaciones Cientificas (CSIC) to collaborate in David Comas Lab.
2014-2015	UAB + AGAUR Exchange - <i>Scholarship</i>  I was awarded with an scholarship from my university and from the Catalan government for my Exchange Academic Experience in CANADA.
Jul-Ago 2014	Passa lestiu al parc-PCB - <i>Scholarship</i>  I was awarded with the scholarship Passa lestiu al parc by Barcelona Science Park (PCB) to collaborate in Gerardo Jimenezs Lab.
2013	VI Premi de Recerca en Ciencies de la Salut-PRBB - <i>Award</i>  I received the VI Premi de Recerca en Ciencies de la Salut (Research Award in Health Science) by Research Park of Biomedicine in Barcelona (PRBB) for my high-school final research project " <i>Polymorphism in the CCR5 gene</i> ".