

David Mas-Ponte

Bioinformatics - Genomics - Biotechnology

david.mas.p@gmail.com
Barcelona, Spain



github://davidmasp 
linkedin://davidmasponte 
davidmasp.github.io

Education

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

Research Experience

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| 07 2016 -
06 2017 | Centre for Genomic Regulation (CRG) - <i>Master Science Research Thesis</i>
My Master Thesis was 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 subcellular expression data available to the scientific community. Roderic Guigo's Lab, tutored by Rory Johnson. |
| 2015-2016 | Institute of Evolutionary Biology (IBE) - <i>Part time Research Internship</i>
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. David Comas' Lab |
| 06-08 2014 | Molecular Biology Institute of Barcelona (IBMB) - <i>Research Internship</i>
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. Gerardo Jimenez's Lab |
| 06-07 2012 | Centre for Research in Agricultural Genomics (CRAG) - <i>Research Internship</i>
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. Tutored by Alex Clop in the Animal Genomic Department. |

Code

Good	Python, SQL & R
Fair	Perl, Shell, git & L ^A T _E X
Learning	JavaScript (D3.js)

Publications & Conferences

2017	<p>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></p> <p>Joana Carlevaro-Fita, Andres Lanzos, Lars Feuerbach, Chen Hong, David Mas-Ponte, Roderic Guigo, Jakob Skou Pedersen, Rory Johnson, et al. Unique genomic features and deeply-conserved functions of long non-coding rnas in the cancer lncrna census (clc). <i>bioRxiv</i>, page 152769, 2017 - <i>Preprint</i></p>
2016	<p>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></p>

Languages

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

Scholarships & Awards

2015-2016	<p>MECD - COLAB - <i>Fellowship</i></p> <p>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.</p>
09-10 2015	<p>JAE INTRO - CSIC - <i>Fellowship</i></p> <p>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.</p>
2014-2015	<p>UAB + AGAUR Exchange - <i>Scholarship</i></p> <p>I was awarded with an scholarship from my university and from the Catalan government for my Exchange Academic Experience in CANADA.</p>
07-08 2014	<p>Passa lestiu al parc-PCB - <i>Scholarship</i></p> <p>I was awarded with the scholarship Passa lestiu al parc by Barcelona Science Park (PCB) to collaborate in Gerardo Jimenezs Lab.</p>
2013	<p>VI Premi de Recerca en Ciències de la Salut-PRBB - <i>Award</i></p> <p>I received the VI Premi de Recerca en Ciències 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>".</p>