David Mas-Ponte

Bioinformatics - Genomics - Biotechnology

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Education

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

Research Experience

07 2016 - 06 2017	**Centre for Genomic Regulation (CRG)** - *Master Science Research Thesis* 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)** - *Part time Research Internship* I studied the evolutionary processes surrounding the RHD gene in Western Mediterranean populations in order to unravel demographic (*drift*) or adaptive (*selection*) processes. **David Comas' Lab**
06-08 2014	**Molecular Biology Institute of Barcelona (IBMB)** - *Research Internship* I took part in the study of the CIC (CapICua) protein in Drosophila development. I gained research skills in fruit fly genetics, in *in situ* 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)**- *Research Internship* 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 & LaTeX
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. *Rna*, 23(7):1080–1087, 2017 - *Peer-reviewed Journal*

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). *bioRxiv*, page 152769, 2017 - *Preprint*

2016

Andre Flores-Bello, **David Mas**, Miruna Rosu, and David Comas. Genetic analysis and evolution of rh blood group system in basques. In *6th international conference of the series: DNA Polymorphisms in Human Populations, Musée de l'Homme, Paris*, December 2016 - *Peer-reviewed Conference - Poster*

Languages

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

Scholarships & Awards

2015-2016

MECD - COLAB - *Fellowship*

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 - *Fellowship*

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 - *Scholarship*

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 - *Scholarship*

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 - *Award*

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 "*Polymorphism in the CCR5 gene*".