

Samuel Miravet Verde

Curriculum vitae

WORK EXPERIENCE

JULY 2015 – PRESENT

Centre for Genomic Regulation, Barcelona (Spain)

Master student

Student intern in the Design of Biological Systems group, working on computational and data analysis to decipher the transcription termination process in *Mycoplasma pneumoniae*; under the guidance of Maria Lluch Senar and Luis Serrano Pubul.

OCTOBER 2013 – AUGUST 2014

GEM Biosoft S.L., Valencia (Spain)

Bioinformatics technician

Statistics modeling and software development to depict the association of genetic and environmental risk factors with thrombosis; project supervised by Óscar Pastor López.

MAY 2013 – AUGUST 2014

Fundación para el Fomento de la Investigación Sanitaria y Biomédica de la Comunitat Valenciana (FISABIO), Valencia (Spain)

Student intern

Associate student of Bioinformatics and Biostatistics Services area. Working on the study planning and data mining, debugging, analysis and interpretation of results from DNA and RNA sequencing; under the guidance of Giuseppe D'Auria.

MAY 2013 – OCTOBER 2013

Instituto Cavanilles de Biodiversidad y Biología Evolutiva (iCBiBE), Valencia (Spain)

Student researcher

Participant in the synthetic biology competition iGEM (International Genetically Engineered Machine) 2013-2014 in the Valencia Biocampus team. Line of research: "Creating an artificial symbiosis between *C. elegans* and two Bacteria"; supervised by Manel Porcar.

- Gold medal in the Regional Jamboree, Lyon, France.
- Best New Application Project Prize, Cambridge, Massachusetts, USA.

JUNE 2011 – MAY 2013

Centro Superior de Investigación en Salud Pública (CSISP)

Student intern

Associate student of Genomics and Health area. Line of research: "Transference of tetracycline resistances in gut microbiome from mother to infant by breastfeeding"; under the guidance of Yvonne Vallès, Pilar Francino and Amparo Latorre.

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EDUCATION

2014 – 2016 **MSc in Bioinformatics for Health Sciences**

Universitat Pompeu Fabra -
Universitat de Barcelona (Spain)

2010 – 2014 **BSc in Biochemistry and Biomedical Sciences**

Universitat de València (Spain)

ADDITIONAL EXPERIENCE

2016 **Instructor**

Whole-Cell Modeling Summer School,
Centre for Genomic Regulation

2014 **Student**

Erasmus Intensive Programme: Origin,
Evolution and Future of the Biosphere,
Banyuls-sur-Mer (France)

2013 **Instructor**

Sequencing Data Analysis and Bioinformatics
trainer, Institut National de la Santé et de la
Recherche Médicale (INSERM)- Université Paris
Descartes- Site Cochin, Paris (France)

2013 **Student**

Computational Skills for Genomic Analysis
Summer School, FISABIO

2012 **Student**

Microbial Genomics and Metagenomics
Summer School, FISABIO

PUBLICATIONS

2016 **Journal of Developmental Origins of Health and Disease**

High frequencies of antibiotic resistance
genes in infants' meconium and early fecal
samples [link]

2014 **ACS Synthetic Biology**

Engineering Bacteria to Form a Biofilm
and Induce Clumping in *Caenorhabditis
elegans* [link]

2013 **Universitat de València**

Books Publications Service

Ten Tales on Synthetic Biology [link]

COMMUNICATION SKILLS

SPANISH	Native speaker
CATALAN	Native speaker
ENGLISH	Full professional proficiency C1 certificate (Proficient User), Cambridge English: Advanced (CAE), 2014
GERMAN	Elementary proficiency

SOFTWARE SKILLS

ADVANCE LEVEL	C, Python, Matlab, Perl, MySQL, Flask, R, Linux, shell, git, \LaTeX
INTERMEDIATE LEVEL	C++, Django, PHP, HTML

OTHER SKILLS AND COMPETENCES

2006 – 2010	Basketball trainer <i>First Level Official trainer, Salesianos School, Burriana (Spain)</i>
2010 – 2014	BSc in Biochemistry and Biomedical Sciences <i>Universitat de València (Spain)</i>