

ALBERTO PEREZ POSADA

MOLECULAR AND
EVOLUTIONARY
BIOLOGIST

ABOUT ME

Date of birth: 06.01.1993
City of birth: Cadiz
Nationality: Spanish

CONTACT

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LANGUAGES

NATIVE SPEAKER
Spanish

ADVANCED KNOWLEDGE
English: FCE (Cambridge, 2015) B2-C1

INTERMEDIATE KNOWLEDGE
Catalan | French

TRAINING

MOLECULAR LIFE SCIENCES

Experimental design
Basic laboratory training
Molecular cloning
Antibody-based protein detection
Basics in cell microscopy
Work on E. coli and Yeast
Zebrafish manipulation
Development of non-model organisms

COMPUTATIONAL APPROACHES

RNAseq analysis
ATACseq analysis
Time-series analysis
Phylogenetics and phylogenomics
R and UNIX

TOPICS OF INTEREST

Evolutionary biology
Developmental biology
Evo-devo
Genomic regulation

IDEAL PROJECT

A computational approach
into biological questions related to genome
regulation and evolution

HOBBIES

Music production
Drawing
Writing / Communication
Cooking
Software & Game development
Technology

Education

2016-2019 PhD in Biomedicine (evolutionary biology) University Pompeu Fabra, Spain
Training courses at PRBB Intervals (University Pompeu Fabra, CRG, Spain) and CRAC VITAE (Cambridge, UK)
Supervisor: Iñaki Ruiz-Trillo
2015-2016 MSc in Genetics and Genomics University of Barcelona, Spain
Mention in Developmental Genetics and Genomics
2011-2015 BSc in Biology University of Seville, Spain

Research

Postdoc 2020-Present A MULTI-OMIC APPROACH TO THE EMBRYONIC REGULATORY GENOME AT THE ORIGIN OF DEUTEROSTOMES
Andalusian Center of Developmental Biology (CABD), Seville, Spain
Supervisor: José Luis Gómez-Skarmeta
PhD Candidate 2016 - 2019 DEVELOPMENT OF MODEL SYSTEMS TO RECONSTRUCT THE UNICELLULAR PREHISTORY OF ANIMALS: AN EMPHASIS ON THE CELL CYCLE
Institute of Evolutionary Biology (IBE)
University Pompeu Fabra, Barcelona, Spain
Supervisor: Iñaki Ruiz Trillo
Ros i Rocher, Perez-Posada, Ruiz-Trillo: The origin of animals: an ancestral reconstruction of the unicellular-to-multicellular transition. Roy. Soc. Open Biol., 2021
Perez-Posada et al. : Cell cycle transcriptomics of Capsaspora provides insights into the evolution of cyclin-CDK machinery. PLOS Genetics, 2020
Parra-Acero, Ros i Rocher, Perez-Posada et al. : Transfection of Capsaspora ovczarszaki, a close unicellular relative of animals. Development, 2017
MSc Candidate 2015-2016 DEVELOPMENT OF GENETIC TOOLS IN THE UNICELLULAR HOLOZOAN CAPSASPORA
Institute of Evolutionary Biology (IBE)
University of Barcelona, Barcelona, Spain
Supervisor: Iñaki Ruiz-Trillo
Research intern 2015.07 - 2015.09 CHARACTERIZATION OF XRN1 IN CILIATES USING RNAi
Department of Microbiology, University of Seville, Andalusia, Spain
Supervisor: Eduardo Villalobo
Research intern 2014.09 - 2015.06 ASSESSING NMD-EJC INTERPLAY IN CILIATES USING YEAST TWO-HYBRID SYSTEMS
Department of Microbiology, University of Seville, Andalusia, Spain
Supervisor: Eduardo Villalobo

Awards and funding

2016-2019 "LA CAIXA" FOUNDATION PhD SCHOLARSHIP
Development of model systems to reconstruct the unicellular prehistory of animals: an emphasis on the cell cycle
September 2015 BEQUES MÀSTERS D'EXCEL·LÈNCIA FUNDACIÓ CATALUNYA-LA PEDRERA
July 2015 BECAS DE INICIACIÓN A LA INVESTIGACIÓN - UNIVERSITY OF SEVILLE
Characterization of Xrn1 in ciliates using RNAi
September 2014 BECAS DE COLABORACIÓN - SPANISH GOVERNMENT
Assessing NMD-EJC interplay in ciliates using yeast two-hybrid systems

Teaching experience

July 2017 BARCELONA INTERNATIONAL YOUTH SCIENCE CHALLENGE
Fundació Catalunya - La Pedrera
July 2018 Logistics coordinator, instructor and project supervisor

Scientific communication

2019 7th International Choanoflagellates & Friends meeting | Barcelona, Spain
Talk Gradual evolution of cell cycle regulation during the transition to animal multicellularity
2018 EMBL Conference: From Functional Genomics to Systems Biology | Heidelberg, Germany
Poster Characterization of the transcriptional program in the cell cycle of a unicellular relative of animals
2018 Building the Cell | Institut Pasteur, Paris, France
Poster Characterization of the transcriptional program in the cell cycle of a unicellular relative of animals
2017 University of Shobara | Prefectural University of Hiroshima, Japan
Talk Towards employment of CRISPR/Cas9 in Capsaspora ovczarszaki
2017 VIII European Congress of Protistology | Prague, Czech Republic
Poster CRISPR/Cas9 genome editing in Capsaspora: an ongoing project
2016 European Meeting of PhD Students of Evolutionary Biology | Gotland, Sweden
Talk Understanding co-option at the origin of animals