



## **Dr Víctor Abad**

Genetics Department at the Ocular Microsurgery Institute

Postdoctoral researcher of the IMO Foundation

Licence number: 22152-C

## **Currículum**

### **Professional profile**

A doctor in Genetics with a Master's degree in Developmental Biology and Human Genetics from the University of Barcelona.

He specialises in the genetic diagnosis and study of the molecular bases of sight pathologies.

### **Education**

An undergraduate degree in Biology from the Autonomous University of Barcelona, 2010

A master's degree in Developmental Biology and Human Genetics from the University of Barcelona, 2011

A researcher using test animals for the Generalitat de Catalunya, 2012

A Doctor in Genetics from the University of Barcelona, 2017

An Erasmus Grant for the University of Kuopio (Kuopio, Finland). 2009-2010

A cooperation grant to work with the Genetics Department at the University of Barcelona. 2012-2015.

TV3 Fundació La Marató grant. 2015-2016

IBUB doctoral thesis completion grant, 2016-2017

## Research

**Collaborating researcher.** Mass sequencing of exomes for the identification of new genes and variants responsible for Retinal Dystrophies.

**Collaborating researcher.** Identification of new Retinal Dystrophy genes and characterisation of genotype/phenotype correlations

**Collaborating researcher.** Search and identification of mutations in non-coding regions of the ABCA4 gene. Population study on a cohort of Spanish patients

## Publications

Esquerdo, M.; Grau-Bové, X.; Garanto, A.; Toulis, V.; Garcia-Monclús, S; Millo, E; López-Iñiesta, MJ, **Abad-Morales, V**, Ruiz-Trillo, I, Marfany, G. *Expression atlas of the deubiquitinating enzymes in the adult mouse retina, their evolutionary diversification and phenotypic roles*. PLoS One. 2016 Mar 2;11(3):e0150364.

**Abad-Morales, V.**; B. Domènech, E.; Garanto, A.; Marfany, G.. *mRNA expression analysis of the SUMO pathway genes in the adult mouse retina*. Biol Open. 2015 Jan 23;4(2):224-32.

## Courses and conferences

**Abad V.** (2017) Attendee. CRISPR Innovation Day. ThermoFisher Scientific. Barcelona

**Abad V.** (2016) Poster. *NR2E3 interaction with E3 SUMO ligases*. 3rd PROTEOSTASIS Action Meeting (ECOST International), CEDOC, Lisbon, Portugal.

**Abad V.** (2016) Poster. *Candidate deubiquitinating enzyme genes in retinal dystrophies*. 23rd Molecular Biology Conference, Societat Catalana de Biologia (SCB), Barcelona.

**Abad V.** (2016) *Deubiquitinating enzyme genes as candidates for retinal disorders*. European Human Genetics Conference 2016, European Society of Human Genetics (ESHG), Barcelona.

**Abad V.** (2015) Poster. *Evolutionary landscape of deubiquitinating enzyme genes and their expression in the mouse retina.* 11th Spanish Genetics Department Society (SEG) Conference, Cordoba.

**Abad V.** (2015) Poster. *The deubiquitinating enzyme Ataxin-3 is involved in retinal degeneration in zebrafish.* 22nd Molecular Biology Conference, Societat Catalana de Biologia (SCB), Barcelona.

**Abad V.** (2015) Attendee. *Practical course on ubiquitin and ubiquitin-like proteins.* COST BM1307 Proteostasis action, Institute of Biochemistry II, Frankfurt am Main, Germany.

**Abad V.** (2014) Poster. *Expression of the SUMO pathway genes in the mouse retina.* First Proteostasis Meeting (ECOST International), Príncipe Felipe Research Centre, Valencia.

**Abad V.** (2014) Oral communication. *Expression atlas of SUMO pathway genes in the mouse retina.* 21st Molecular Biology Conference, Societat Catalana de Biologia (SCB), Barcelona.

**Abad V.** (2014) Attendee. *Making Sense of Writing Workshop by Iain Patten.* Genetics Department, University of Barcelona.

**Abad V.** (2012) Poster. *Expression map of SUMO and ubiquitin pathway enzymes in the mouse retina.* ARVO2012 (Association for Research in Vision and Ophthalmology), Fort Lauderdale, Florida (USA).

**Abad V.** (2012) Poster. *Expression pattern and map of SUMO and ubiquitin pathway enzymes in the mouse retina.* Global Questions on Advanced Biology, Societat Catalana de Biologia (SCB), Barcelona.

**Abad V.** (2012) Attendee. *Processing and Analysing Images from Optic Microscopy with ImageJ.* Centres Científics i Tecnològics (CCiT) (Science and Technology Centres), University of Barcelona.