

Academic CV

Koldobika Morante Sagasti, PhD

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EDUCATION

- 2012 *Ph.D., Molecular Biology and Biomedicine (Uni. of the Basque Country, Spain)*
- 2008 *M. Sc., Molecular Biology and Biomedicine (Uni. of the Basque Country, Spain)*
- 2007 *B. Sc., Biochemistry (Uni. of the Basque Country, Spain)*

RESEARCH

- 2016 – present
(Germany) *Postdoctoral associate (Jacobs University Bremen)*
- Quantification of substrate binding to model membranes using calorimetric and opto-electrical approaches (voltage-clamp/confocal fluorescence microscopy).
- 2013 – 2016
(Japan) *Postdoctoral associate (The University of Tokyo)*
- Characterization of biomolecular interactions by ITC, DSC, SPR, and X-ray crystallography (pore-forming toxins, porphyrin-binding proteins, HIV antibodies).
- 2008 – 2012
(Spain) *Predoctoral scholar (Uni. of the Basque Country)*
- Dissertation: "Purification and characterization of the structure and function of a novel actinoporin isolated from the sea anemone *Actinia fragacea*." Honors degree.
- 2006 – 2007
(Sweden) *Undergraduate scholar (Lund University)*
- Project: "Studies of aquaporin functions: construct design for complementation analysis and GFP fusions."

TEACHING

- 2009 – 2010 *Teaching assistant (Uni. of the Basque Country, Spain)*
- "Fundamentals of Applied Biology (Biochemistry)" for fourth year undergraduates in Biology (20 hours). Practical course on sugar quantification.
- 2011 – 2012
- "Biochemistry I" for first year undergraduates in Biochemistry (25 hours). Practical course on chromatography and electrophoresis.

ORGANIZATION

- 2010 •Organizing committee member of the 10th Annual Reunion of the former Biophysics Unit (CSIC, UPV/EHU), Zarautz, Spain, 2010.

GRANTS

- 2008 – 2012 •Grant-in-aid funded by the Spanish Ministry of Science and Innovation aiming at financing graduate students for the development of their doctoral thesis (70k€).
- 2010 •Travel grant for the 35th FEBS Congress at Gothenburg, Sweden (300 €).
- 2006 – 2007 •ERASMUS scholarship for 10 months at Lund University, Sweden (2230 €).

MEMBERSHIPS

- 2015 – present •Member of the Biophysical Society.
- 2011 – present •Member of the Spanish Biophysical Society.
- 2008 – present •Member of the Spanish Society of Biochemistry and Molecular Biology.

PUBLICATIONS [[Web](#)]

ORAL PRESENTATIONS

1. **Morante K et al.** "Lipid-protein partnering during pore formation of fragaceatoxin C." 60th Annual Meeting of the Biophysical Society, Los Angeles, USA, Feb. 2016 (***Oral contribution, 15 min***). [[Web](#)]
2. **Morante K et al.** "Permeabilization of liposomes by fragaceatoxin C." 33rd Congress of the Spanish Society of Biochemistry and Molecular Biology, Spain, Sep. 2010 (***Oral contribution, 15 min***).
3. **Morante K et al.** "Permeabilization of liposomes by fragaceatoxin C." 1st EBSA course on membrane biophysics and lipid/protein interaction, France, Jun. 2010 (***Oral contribution, 15 min***). [[Web](#)]

