

Koldo Morante, PhD

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EDUCATION

	<i>UNIVERSITY OF THE BASQUE COUNTRY</i>
2012	Ph.D., Molecular Biology and Biomedicine
2008	M. Sc., Molecular Biology and Biomedicine
2007	B. Sc., Biochemistry

RESEARCH

2016 – present (Germany)	<i>POSTDOCTORAL RESEARCHER (Jacobs University Bremen)</i> <ul style="list-style-type: none">•Quantification of membrane protein interaction with Trojan Horses using calorimetric, fluorescent, and opto-electrical approaches.
2013 – 2016 (Japan)	<i>POSTDOCTORAL RESEARCHER (The University of Tokyo)</i> <ul style="list-style-type: none">•Characterization of biomolecular interactions by ITC, DSC, SPR, and X-ray crystallography (pore-forming toxins, porphyrin-binding proteins, HIV antibodies).
2008 – 2012 (Spain)	<i>PREDOCTORAL SCHOLAR (Uni. of the Basque Country)</i> <ul style="list-style-type: none">•Dissertation: "Purification and characterization of the structure and function of a novel actinoporin isolated from the sea anemone <i>Actinia fragacea</i>." Honors degree.
2006 – 2007 (Sweden)	<i>UNDERGRADUATE SCHOLAR (Lund University)</i> <ul style="list-style-type: none">•Project: "Studies of aquaporin functions: construct design for complementation analysis and GFP fusions."

TEACHING

2009 – 2010	<i>TEACHING ASSISTANT (Uni. of the Basque Country, Spain)</i> <ul style="list-style-type: none">•"Fundamentals of Applied Biology (Biochemistry)" for fourth year undergraduates in Biology (20 hours). Practical course on sugar quantification.
2011 – 2012	<ul style="list-style-type: none">•"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** "Lipids as structural elements in pore formation." IMI-Translocation Meeting 2016 "Novel approaches to fight bacteria", Germany, Jul 2016 (***Invited presentation, 30 min***). [[Web](#)]
2. **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](#)]
3. **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***).
4. **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](#)]

