

## 1. Personal information:

**Name and surname:** Corina Ciobanasu

**Date and place of birth:** 29.04.1978, Roman - Neamt, Romania

**Present academic position:** Scientific Researcher III (The Science Department, „Alexandru Ioan Cuza” University, Iași, Romania)

**Address:** “Alexandru Ioan Cuza” University, Department of Interdisciplinary Research, Blvd. Carol I, no. 11, Iași, RO-700506, Romania

**Phone number, e-mail address:** +40232/201102 interior 2488 (office), [corinaciobanasu@yahoo.com](mailto:corinaciobanasu@yahoo.com)

## 2. Education:

2007 – 2010 – Ph.D., Institute of Physical and Theoretical Chemistry, Rheinische Friedrich-Wilhelms University Bonn, Germany

2001– 2003 – M. Sci. - Chemistry and Biochemistry of Heterocyclic Compounds, “Alexandru Ioan Cuza” University Iași, Romania, Faculty of Chemistry

1997 – 2001 – B. Sci. - Chemistry-Physics, “Alexandru Ioan Cuza” University Iași, Romania, Faculty of Chemistry

## 3. Selected, peer-reviewed research work

1. **Corina Ciobanasu**, Bruno Faivre and Christophe Le Clainche, *A new method for reconstituting actomyosin-dependent mechanosensitive protein complexes in vitro*, **Nature Protocols**, 2014, (in press)

2. **Corina Ciobanasu**, Bruno Faivre and Christophe Le Clainche, *Actomyosin-dependent formation of the mechanosensitive talin–vinculin complex reinforces actin anchoring*, **Nature Communications**, 5: 3095, 2014, DOI: 10.1038/ncomms4095

3. **Corina Ciobanasu**, Bruno Faivre and Christophe Le Clainche, *Integrating actin dynamics, mechanotransduction and integrin activation: the multiple functions of actin binding proteins in focal adhesions*, **European Journal of Cell Biology**, 92(10-11), 2013, 339-348

4. Katharina M. Scherer, Imke Wiedemann, **Corina Ciobanasu**, Hans-Georg Sahl, and Ulrich Kubitscheck, *Aggregates of Nisin with Various Bactoprenol-containing Cell Wall Precursors Differ in Size and Membrane Permeation Capacity*, **BBA Biomembranes**, 1828(11), 2013, 2628–2636

5. **Corina Ciobanasu**, Bruno Faivre, and Christophe Le Clainche, *Actin Dynamics Associated with Focal Adhesions*, **International Journal of Cell Biology**, vol. 2012, Article ID 941292, 9 pages, 2012. doi:10.1155/2012/941292

6. **Corina Ciobanasu**, Jan Peter Siebrasse and Ulrich Kubitscheck, *Cell penetrating HIV1 TAT peptides can form pores in model membranes*, **Biophysical Journal**, 99 (1) 2010, 153-162

7. **Corina Ciobanasu**, Enno Harms, Gisela Tünnemann, M. Cristina Cardoso and Ulrich Kubitscheck, *Cell-penetrating HIV1 TAT peptides float on model lipid bilayers*, **Biochemistry**, 2009, 48 (22), 4728–4737

## 4. Research interests

Interaction of cell penetrating and antimicrobial peptides with model membranes, fluorescence microscopy: Laser Scanning Confocal Microscopy (CLSM), Single Molecule Microscopy (SMM), Total Internal Reflection Fluorescence Microscopy (TIRF), Fluorescence Recovery after Photobleaching (FRAP), actin dynamics and mechanosensitivity of focal adhesion proteins

**Corina Ciobanasu, PhD**