

1. Personal informations:

Name and surname: ȘCHIOPU Irina

Date and place of birth: July 11, 1986, Iași, Romania

Present academic position: Research Assistant (Department of Science, Laboratory of Molecular Biophysics and Medical Physics, “Alexandru Ioan Cuza” University of Iași, Romania).

Current address: “Alexandru Ioan Cuza” University of Iași, Laboratory of Molecular Biophysics and Medical Physics, Blvd. Carol I, no. 11, Iași, RO-700506, Romania

Phone number, e-mail address: +40232201191 (office), irina_schiopu@yahoo.com
(<http://www.phys.uaic.ro/bio/> ; <http://biofizicafizicamedicala.wordpress.com/home/>)

2. Education:

2011-present - Ph.D. student at “Alexandru Ioan Cuza” University of Iași, Romania

2009-2011 - Faculty of Physics, “Alexandru Ioan Cuza” University of Iași, Romania
(*Master of science* degree in Biophysics and Medical Physics)

2005-2008 - Faculty of Physics, “Alexandru Ioan Cuza” University of Iași, Romania
(*Bachelor of science* degree in Medical Physics)

2001-2005 - High School of Economics and Administration no.1, Iași, Romania

3. Selected, peer-reviewed research work:

International relevant scientific publications:

1. Loredana Mereuță, **Irina Șchiopu**, Alina Asandei, Yoonkyung Park, Kyung-Soo Hahm, Tudor Luchian, *Protein nanopore-based, single-molecule exploration of copper binding to an antimicrobial-derived, histidine-containing chimera peptide*, Langmuir, 2012, DOI: 10.1021/la303782d
2. **Irina Șchiopu**, Loredana Mereuță, Aurelia Apetrei, Yoonkyung Park, Kyung-Soo Hahm, Tudor Luchian, *The role of thryptophan spatial arrangement for antimicrobial-derived, membrane-active peptides adsorption and activity*, Molecular BioSystems, 2012, DOI:10.1039/c2mb25221j

National relevant scientific publications:

1. **Irina Șchiopu**, Aurelia Apetrei, Tudor Luchian, *Kinetics of pore formation by selected antimicrobial peptides monitored through a calcein release assay*, Revista Stiintifica V. Adamachi, 2011.
2. **Irina Șchiopu**, Aurelia Apetrei, Tudor Luchian, *Fluorescence and electrophysiology investigation of cholesterol effect on the adsorption and activity of selected antimicrobial peptides*, Revista Stiintifica V. Adamachi, 2010.
3. **Irina Șchiopu**, *The atomic spectrum of rare gases*, Revista Stiintifica V. Adamachi, 2007.

4. Research interests:

Biophysical investigations of antimicrobial peptides interactions with planar (bilayers) and spherical (liposomes) lipid membranes. Single-molecule studies and stochastic analysis of peptides interaction with protein pores. Influence of transition metals on amyloid- β peptides folding and aggregation.

Research Assistant Irina ȘCHIOPU