

LISTA DE LUCRĂRI – Aurelia APETREI

a) Articole publicate *in extenso*, în reviste științifice indexate ISI (Thomson Reuters) cu factor de impact (maximum 10 publicații)

1. **Aurelia Apetrei**, Andrei Ciucă, Jong-kook Lee, Chang Ho Seo, Yoonkyung Park, Tudor Luchian, *A Protein Nanopore-Based Approach for Bacteria Sensing*, **2016, Nanoscale Research Letters** 11:501
factor de impact: **2.584** (2015/2016).
2. **Aurelia Apetrei**, Lucel Sîrghi, *Stochastic Adhesion of Hydroxylated Atomic Force Microscopy Tips to Supported Lipid Bilayers*, **2013, Langmuir** 29(52), 16098-16104
factor de impact: **4.384** (2013), 1 citare.
3. Yeranddy Alpizar, Maarten Gees, Alicia Sanchez, **Aurelia Apetrei**, Thomas Voets, Bernd Nilius, Karel Talavera, *Bimodal effects of cinnamaldehyde and camphor on mouse TRPA1*, **2013, Pflugers Archiv-European Journal Of Physiology** 465(6), 853-864
factor de impact: **3.073** (2013), 16 citări.
4. Irina Șchiopu, Loredana Mereuță, **Aurelia Apetrei**, Yoonkyung Park, Kyung-Soo Hahm, Tudor Luchian, *The role of tryptophan spatial arrangement for antimicrobial-derived, membrane-active peptides adsorption and activity*, **2012, Molecular BioSystems** 8(11), 2860-2863
factor de impact: **3.350** (2012), 4 citări.
5. Alina Asandei*, **Aurelia Apetrei***, Yoonkyung Park, Kyung-Soo Hahm, Tudor Luchian, *Investigation of Single-Molecule Kinetics Mediated by Weak Hydrogen Bonds within a Biological Nanopore*, **2011, Langmuir** 27(1), 19-24
factor de impact: **4.186** (2011), 15 citări.
(* acești autori au avut contribuție egală).
6. Alina Asandei, **Aurelia Apetrei**, Tudor Luchian, *Uni-molecular detection and quantification of selected beta-lactam antibiotics with a hybrid alpha-hemolysin protein pore*, **2011, Journal of Molecular Recognition** 24(2), 199-207
factor de impact: **3.310** (2011), 13 citări.
7. W. Everaerts, M. Gees, Y. Alpizar, R. Farre, C. Lenten, **Aurelia Apetrei**, I. Dewachter, F. van Leuven, R. Vennekens, D. De Ridder, B. Nilius, T. Voets, K. Talavera, *The capsaicin receptor TRPV1 is a crucial mediator of the noxious effects of mustard oil*, **2011, Current Biology** 21(4), 316-321
factor de impact: **9.647** (2011), 77 citări.
8. **Aurelia Apetrei**, Alina Asandei, Yoonkyung Park, Kyung-Soo Hahm, Mathias Winterhalter, Tudor Luchian, *Unimolecular study of the interaction between the outer membrane protein OmpF from E. coli and an analogue of the HP(2–20) antimicrobial peptide*, **2010, Journal of Bioenergetics and Biomembranes** 42(2), 172-180
factor de impact: **3.637** (2010), 12 citări.
9. **Aurelia Apetrei**, Loredana Mereuță, Tudor Luchian, *The RH 421 styryl dye induced, pore model-dependent modulation of antimicrobial peptides activity in reconstituted planar membranes*, **2009, Biochimica et Biophysica Acta – General Subjects** 1790(8), 809-816
factor de impact: **2.958** (2009), 13 citări.

b) TEZA DE DOCTORAT

„Investigații nanoscopice ale interacțiunilor dintre peptide citotoxice și sisteme lipido-proteice”,
conducător de doctorat: prof.univ.dr. Tudor LUCHIAN.

g) Alte lucrări și contribuții științifice

1. Irina Șchiopu, **Aurelia Apetrei**, Tudor Luchian, *Kinetics of pore formation by selected antimicrobial peptides monitored through a calcein release assay*, Revista Științifică 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 Științifică V. Adamachi, 2010.
3. **Prezentarea a 25 de lucrări în cadrul unor conferințe internaționale și a 24 de lucrări în cadrul unor conferințe naționale**