

Lista competență de lucrări științifice

10 lucrări reprezentative, publicate în calitate de ‘autor principal’:

1. Alina Asandei, Irina Schiopu, Mauro Chinappi, Chang Ho Seo, Yoonkyung Park, **Tudor Luchian**, Electroosmotic Trap Against the Electrophoretic Force Near a Protein Nanopore Reveals Peptide Dynamics During Capture and Translocation, *ACS Applied Materials & Interfaces*, 2016, 8 (20), pp 13166–13179(**IF=7.145**)
2. Alina Asandei, Mauro Chinappi, Hee-Kyoung Kang, Chang Ho Seo, Loredana Mereuta, Yoonkyung Park, **Tudor Luchian**, Acidity-Mediated, Electrostatic Tuning of Asymmetrically Charged Peptides Interactions with Protein Nanopores, *ACS Applied Materials & Interfaces*, 2015, 7 (30), pp 16706–16714(**IF=7.145**)
3. Jong-kook Lee, **Tudor Luchian**, Yoonkyung Park, Effect of Regular Exercise on Inflammation Induced by Drug-resistant Staphylococcus aureus 3089 in ICR mice, *Scientific Reports (Nature Publishing Group)*, **5**, 16364; DOI: 10.1038/srep16364 (2015) – (highlighted by The New York Times, 2016). (**IF=5.228**)
4. Alina Asandei, Mauro Chinappi, Jong-kook Lee, Chang Ho Seo, Loredana Mereuta, Yoonkyung Park, **Tudor Luchian**, Placement of oppositely charged aminoacids at a polypeptide termini determines the voltage-controlled braking of polymer transport through nanometer-scale pores, *Scientific Reports (Nature Publishing Group)* **5**, 10419; DOI: 10.1038/srep10419 (2015) (**IF=5.228**)
5. Loredana Mereuta, Alina Asandei, Chang Ho Seo, Yoonkyung Park, **Tudor Luchian**, Quantitative Understanding of pH- and Salt-Mediated Conformational Folding of Histidine-Containing, β -Hairpin-like Peptides, Through Single-Molecule Probing with Protein Nanopores, *ACS Applied Materials & Interfaces*, 2014, 6 (15), pp 13242–13256(**IF=7.145**)
6. Loredana Mereuta, Mahua Roy, Alina Asandei, Jong Kook Lee, Yoonkyung Park, Ioan Andricioaei, **Tudor Luchian**, Slowing down single-molecule trafficking through a protein nanopore reveals intermediates for peptide translocation, *Scientific Reports (Nature Publishing Group)*, 2014, Jan 27;4:3885. DOI: 10.1038/srep03885. (**IF=5.228**)

7. Loredana Mereuta, Irina Schiopu, 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.(IF=3.993)
8. **Tudor Luchian**, Seong Ho Shin, Hagan Bayley, Single-molecule chemistry with spatially separated reactants, *Angewandte Chemie International Edition*, 42, 3766-3771, 2003(IF=11.709)
9. **Tudor Luchian**, Seong Ho Shin, Hagan Bayley, Kinetics of a three-step reaction observed at the single-molecule level, *Angewandte Chemie International Edition* 42, 1925-1929, 2003 (highlighted by Chemical & Engineering News, American Chemical Society, May 5, 2003). (IF=11.709)
10. Seong-Ho Shin, **Tudor Luchian**, Steve Cheley, Orit Braha, Hagan Bayley, Kinetics of a reversible covalent-bond-forming reaction observed at the single-molecule level, *Angewandte Chemie International Edition*, 41 (19): 3707-3709, 2002 (*highlighted by Nature – science update, 7 October 2003*) (IF=11.709)

Publicații ce vizează politica științei, selectate, peer -reviewed (sursa: Web of Science, Thomson Reuters, 2016)

1. Tudor Luchian, Balkan science: how to halt the brain drain, *Nature*, 2011, 470 (7334), 333-333.
2. Tudor Luchian, Romanian funding cuts calls for more stringent criteria, *Nature*, 2009, 458, 1101.
3. Tudor Luchian, **Rolul pierdut științelor exacte și interdisciplinare în excelența intelectuală și economică a României, Pentru excelența în Știința Românească**, Editori: Petre T. Frangopol, Nicolae Zamfir, Tibor Braun, Bucuresti Martie 26, 2008, Casa Cartii de Știință Cluj Napoca.

Patente aplicate și valorificate în tehnologii emergente

Hagan Bayley, Seong-Ho Shin, Tudor Luchian, Steve Cheley, New system comprising a sensing device, a protein pore, a detection system and an ionic solution containing a reactive analyte capable of

covalently bonding to the protein probe, useful for sensing a reactive analyte in a solution, Patent Number(s): WO2003095669-A; WO2003095669-A1; US2003215881-A1; AU2003245272-A1; EP1504114-A1

Cărți și capitole de cărți

1. Tudor Luchian – ‘*Electrofiziologie moleculară. Teorii și aplicații*’, Sedcom-Libris Publishing House, Iași, 2006 (ISBN: 973-670-154-9)
2. Hagan Bayley, Tudor Luchian, Seong-Ho Shin, Mackay Steffensen – ‘*Single-molecule covalent chemistry in a protein nanoreactor*’, *Springer Series in Biophysics "Single Molecules and Nanotechnology"* Rigler & Vogel eds., 2008 (capitol), 251-277
3. Tudor Luchian – ‘*Functional nanopores in artificial membranes – it takes at least two to tango*’, *Advances in Micro- and Nanoengineering*, 6, 42-53, 2004 (capitol)
4. Tudor Luchian – ‘*Introducere în biofizica moleculară și celulară*’, ‘Alexandru Ioan Cuza’ University Publishing House, Iași, 2001

Prezentări orale selectate

1. ‘*Nanoscopic interrogation of molecular interactions with protein nanopores*’, **Invited talk at IRTG Soft Matter Science, University of Freiburg, Dec 10, 2014**
2. Alina Asandei, Loredana Mereuta, Tudor Luchian, ‘*Single-molecule investigation of peptide conformational changes with a protein nanopore*’, **Gordon Research Conferences frontiers of science, Membrane Protein Folding**, Bentley University, USA 6/21/2015 - 6/26/2015
3. Sorana Iftemi, Irina Schiopu, and Tudor Luchian, ‘*Uni-molecular Investigation of metals-D,L-Histidines Interactions with a Protein Nanopore*’, **EBSA 2015 10th European Biophysics Congress**, July 18 to 22, 2015- Dresden, Germany
4. ‘*Single-molecule electrophysiology investigation of selected pharmacological molecules interaction with protein pores and lipids*’, **Invited talk at the Institute of Physical and Theoretical Chemistry of the Rheinische Friedrich-Wilhelms Bonn University, 23-26 Nov. 2010**

Publicații științifice selectate, elaborate în calitate de ‘autor principal’ (sursa: Web of Science, Thomson Reuters, 2016) – lista extinsă

1. Alina Asandei, Irina Schiopu, Mauro Chinappi, Chang Ho Seo, Yoonkyung Park, **Tudor Luchian**, Electroosmotic Trap Against the Electrophoretic Force Near a Protein Nanopore Reveals Peptide Dynamics During Capture and Translocation, *ACS Applied Materials & Interfaces*, 2016, 8(20), 13166–13179.
2. Jong-kook Lee, **Tudor Luchian**, Yoonkyung Park, Effect of Regular Exercise on Inflammation Induced by Drug-resistant Staphylococcus aureus 3089 in ICR mice, *Scientific Reports (Nature Publishing Group)*, **5**, 16364; DOI: 10.1038/srep16364 (2015) – (highlighted by The New York Times, 2016).
3. Alina Asandei, Mauro Chinappi, Hee-Kyoung Kang, Chang Ho Seo, Loredana Mereuta, Yoonkyung Park, **Tudor Luchian**, Acidity-Mediated, Electrostatic Tuning of Asymmetrically Charged Peptides Interactions with Protein Nanopores, *ACS Applied Materials & Interfaces*, 2015, 7(30), 16706–16714.
4. Alina Asandei, Mauro Chinappi, Jong-kook Lee, Chang Ho Seo, Loredana Mereuta, Yoonkyung Park, **Tudor Luchian**, Placement of oppositely charged aminoacids at a polypeptide termini determines the voltage-controlled braking of polymer transport through nanometer-scale pores, *Scientific Reports (Nature Publishing Group)* **5**, 10419; DOI: 10.1038/srep10419 (2015).
5. Irina Schiopu, Sorana Iftemi, **Tudor Luchian**, Nanopore Investigation of the Stereoselective Interactions between Cu²⁺ and D,L-Histidine Amino Acids Engineered into an Amyloidic Fragment Analogue, *Langmuir*, 2015, 31(1), 387-396.
6. Loredana Mereuta, Alina Asandei, Chang Ho Seo, Yoonkyung Park, **Tudor Luchian**, Quantitative Understanding of pH- and Salt-Mediated Conformational Folding of Histidine-Containing, β -Hairpin-like Peptides, Through Single-Molecule Probing with Protein Nanopores, *ACS Applied Materials & Interfaces*, 2014, 6(15), 13242–13256.
7. Sorana Iftemi, Marta De Zotti, Fernando Formaggio, Claudio Toniolo, Lorenzo Stella, **Tudor Luchian**, Electrophysiology investigation of trichogin GA IV activity in planar lipid membranes reveals ion channels of well-defined size, *Chemistry & Biodiversity*, 2014, 11(7), 1069-77. DOI: 10.1002/cbdv.201300334.

8. Alina Asandei, Sorana Iftemi, Loredana Mereuta, Irina Schiopu, **Tudor Luchian**, Probing of various physiologically relevant metals - amyloid- β peptide interactions with a lipid membrane-immobilized protein nanopore, *Journal of Membrane Biology*, 2014, 247(6), 523-30. DOI: 10.1007/s00232-014-9662-z.
9. Loredana Mereuta, Mahua Roy, Alina Asandei, Jong Kook Lee, Yoonkyung Park, Ioan Andricioaei, **Tudor Luchian**, Slowing down single-molecule trafficking through a protein nanopore reveals intermediates for peptide translocation, *Scientific Reports (Nature Publishing Group)*, 2014, 27;4:3885. DOI: 10.1038/srep03885.
10. Alina Asandei, Irina Schiopu, Sorana Iftemi, Loredana Mereuta, **Tudor Luchian**, Investigation of Cu^{2+} binding to human and rat amyloid fragments A β (1-16) with a protein nanopore, *Langmuir*, 2013, 29 (50) , 15634-1564.
11. Loredana Mereuta, Irina Schiopu, 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.
12. Irina Schiopu, Loredana Mereuta, 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.
13. Alina Asandei, Loredana Mereuta, **Tudor Luchian**, The Kinetics of Ampicillin Complexation by γ -Cyclodextrins. A Single Molecule Approach, *The Journal of Physical Chemistry B*, 2011, 115 (33), 10173–10181.
14. Loredana Mereuta, Alina Asandei, **Tudor Luchian**, Meet me on the other side: trans-bilayer modulation of a model voltage-gated ion channel activity by membrane electrostatics asymmetry, *PLoS One*, 2011, 6(9): e25276. doi:10.1371/journal.pone.0025276.
15. Alina Asandei, Aurelia Apetrei, **Tudor Luchian**, Uni-molecular detection and quantification of selected β -lactam antibiotics with a hybrid α -haemolysin protein pore, *Journal of Molecular Recognition*, 2011, 24 (2), 199-207.
16. 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, *Langmuir*, 2011, 27 (1), 19-24.

17. 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, *Journal of Bioenergetics and Biomembranes*, 2010, 42(2), pp. 173-180.
18. Aurelia Apetrei, Loredana Mereuta, **Tudor Luchian**, The RH 421 styryl dye induced, pore model-dependent modulation of antimicrobial peptides activity in reconstituted planar membranes, *Biochimica et Biophysica Acta – General Subjects*, 2009, 1790 (8), 809-816.
19. Loredana Mereuta, **Tudor Luchian**, Yoonkyung Park, Kyung-Soo Hahm, The modulatory role played by lipids unsaturation upon the membrane interaction and translocation of an analogue (HPA3) of the HP(2–20) antimicrobial peptide, *Journal of Bioenergetics and Biomembranes*, 2009, 41, 79-84.
20. Roxana Chiriac, **Tudor Luchian**, Single-molecule investigation of the influence played by lipid rafts on ion transport and dynamic features of the pore-forming alamethicin oligomer, *Journal of Membrane Biology*, 2008, 224, 45-54.
21. Alina Asandei, **Tudor Luchian**, Ion selectivity, transport properties and dynamics of amphotericin B channels studied over a wide range of acidity changes, 2008, *Colloids and Surfaces B: Biointerfaces*, 67, 99–106.
22. Loredana Mereuta, **Tudor Luchian**, Yoonkyung Park, Kyung-Soo Hahm, Single-molecule investigation of the interactions between reconstituted planar lipid membranes and an analogue of the HP(2–20) antimicrobial peptide, *Biochemical and Biophysical Research Communications*, 2008, 373(4), 467-472.
23. Alina Asandei, Loredana Mereuta, **Tudor Luchian**, Influence of membrane potentials upon reversible protonation of acidic residues from the OmpF eyelet, *Biophysical Chemistry*, 2008, 135, 32–40.
24. Roxana Chiriac, **Tudor Luchian**, pH modulation of transport properties of alamethicin oligomers inserted in zwitterionic-based artificial lipid membranes, *Biophysical Chemistry*, 130, 139-147, 2007.
25. **Tudor Luchian**, Loredana Mereuta, Phlorizin- and 6-Ketocholestanol-Mediated Antagonistic Modulation of Alamethicin Activity in Phospholipid Planar Membranes, *Langmuir*, 2006, 22, 8452-8457.

26. Loredana Mereuta, **Tudor Luchian**, A virtual instrumentation based protocol for the automated implementation of the inner field compensation method, *Central European Journal of Physics*, 2006, 4(3), 299-416.
27. **Tudor Luchian**, Loredana Mereuta, Selective transfer of energy through an alamethicin-doped artificial lipid membrane studied at discrete molecular level, *Bioelectrochemistry* 69 (2006) 94–98.
28. Loredana Mereuta, **Tudor Luchian**, How could a chirp be more effective than a louder clock – resonant transfer of energy between subthreshold excitation pulses and excitable tissues, *Journal of Cellular and Molecular Medicine*, 9:2, 446-456, 2005.
29. **Tudor Luchian**, An automated method for generating analogic signals that embody the Markov kinetics of model ionic channels, *Journal of Neuroscience Methods*, 147(1), 8-14, 2005.
30. **Tudor Luchian**, Seong Ho Shin, Hagan Bayley, Single-molecule chemistry with spatially separated reactants, *Angewandte Chemie International Edition*, 42, 3766-3771, 2003.
31. **Tudor Luchian**, Seong Ho Shin, Hagan Bayley, Kinetics of a three-step reaction observed at the single-molecule level, *Angewandte Chemie International Edition* 42, 1925-1929, 2003 (highlighted by Chemical & Engineering News, American Chemical Society, May 5, 2003).
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33. **Tudor Luchian**, The influence exerted by the β_3 subunit on MVIIA binding to neuronal N-type calcium channels, *BBA-Biomembranes*, 1512:2, 329-334, 2001.
34. **Tudor Luchian**, Wolfgang Schreibmayer, Ion permeation through a G protein-activated, inwardly rectifying K^+ channel, *BBA-Biomembranes*, 1368, 167-170, 1997.
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36. **Tudor Luchian**, Zsolt Tokaji, Zsolt Dancshazy, Actinic light density dependence of the O intermediate of the photocycle of bacteriorhodopsin, *FEBS Lett.* 386, 55-59, 1996.

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1. Aurelia Apetrei, Loredana Mereuta, **Tudor Luchian**, Activity of antimicrobial peptides in reconstituted planar lipid membranes under the influence of membrane dipole moment modulatory agents, Nano-Romania 2009, June 2-5, 2009, pp. 22, *Iasi, Romania*
2. Loredana Mereuta, **Tudor Luchian**, The modulatory role played by lipids packing upon planar lipid membranes - HPA3 antimicrobial peptide interactions, Nano-Romania 2009, June 2-5, 2009, pp. 23, *Iasi, Romania*
3. Alina Asandei, **Tudor Luchian**, Effects of acidity changes upon transport properties and ionic selectivity of amphotericin B-induced channels in planar lipid membranes, Nano-Romania 2009, June 2-5, 2009, pp. 21, *Iasi, Romania*
4. **Tudor Luchian**, Aurelia Apetrei, Roles of lipids and electric heterogeneity of lipid membranes in shaping antimicrobial peptides activity, Nano-Romania 2009, June 2-5, 2009, pp. 19 (oral), *Iasi, Romania*
5. Tudor Luchian, Electric and spectroscopic investigations of the coupling between antimicrobial peptides and structural features of reconstituted planar lipid membranes, Frontiers in Macromolecular and Supramolecular Science, June 2-3, 2009, Iasi, Romania (oral)
6. Aurelia Apetrei, Loredana Mereuta, **Tudor Luchian**, The study of the modulatory effect of melittin insertion upon membrane surface and dipole potentials, IEEE ROMSC 2009, Iasi, Romania, p7
7. Alina Asandei, **Tudor Luchian**, Correlation between the electrical and mechanical properties of lipid membranes and the pore formation by magainin 2, IEEE ROMSC 2009, Iasi, Romania, p15
8. Loredana Mereuta, Tudor Luchian, The influence of lipid unsaturation upon the interaction between HPA3 antimicrobial peptide and reconstituted lipid membranes/ German Biophysical Society Meeting 2008, GBSM 2008 Jahrestagung der Deutschen Gesellschaft für Biophysik Berlin, September 28 - October 1
9. Alina Asandei, **Tudor Luchian**, The pH-dependence of the the interaction mechanism between single and multi-channels generated by amphotericin B (AmB) and artificial lipid membranes, German Biophysical Society Meeting 2008, GBSM 2008 Jahrestagung der Deutschen Gesellschaft für Biophysik Berlin, September 28 - October 1

10. Loredana Mereuta , **Tudor Luchian**, pH AND ELECTRIC - INDUCED MODULATION OF MAGAININ 2 ACTIVITY IN RECONSTITUTED LIPID MEMBRANES, The 8th International Conference on Physics of Advanced Materials (ICPAM-8) JUNE 04-07, 2008, IASI, ROMANIA
11. Alina Asandei, **Tudor Luchian**, SINGLE MOLECULE INVESTIGATION OF INTERACTION BETWEEN β -LACTAM ANTIBIOTIC AND THE OmpF PORIN, The 8th International Conference on Physics of Advanced Materials (ICPAM-8) JUNE 04-07, 2008, IASI, ROMANIA
12. Roxana Chiriac, **Tudor Luchian**, RAFTS-INDUCED MODULATION OF TRANSPORT AND KINETIC PROPERTIES OF CERTAIN ANTIMICROBIAL PEPTIDES, The 8th International Conference on Physics of Advanced Materials (ICPAM-8) JUNE 04-07, 2008, IASI, ROMANIA
13. Alina Asandei, Loredana Mereuță, Roxana Chiriac, **Tudor Luchian**, The Influence of Superficial Charge and Ionic Strength Upon The Interaction Between B-Lactam Antibiotics and Ompf Porins, The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, BUCUREȘTI , 29 – 30 May 2008
14. Roxana Chiriac, Alina Asandei, Loredana Mereuță, **Tudor Luchian**, Rafts-Induced Modulation of Transport and Kinetic Properties of Certain Antimicrobial Peptides, The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, BUCUREȘTI , 29 – 30 May 2008
15. Loredana Mereuță, Alina Asandei, **Tudor Luchian**, Influence of Membrane Electrostatics Upon Reversible Protonation Reactions Taking Place on The Constriction Region of The Ompf Porin, The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, BUCUREȘTI , 29 – 30 May 2008
16. Roxana Chiriac, Alina Asandei, Loredana Mereuta, **Tudor Luchian**, ‘pH modulation of ion transport through alamethicin channels formed in phosphatidylcholine artificial membranes’, Conference of the Romanian Society of Pure and Applied Biophysics (**RSPAB**), IXth edition, with international participation, 2007, Bucharest, Romania
17. **Tudor Luchian**, ‘Complementary interactions between the membrane dipole potential and protein pores inserted in artificial lipid bilayers’, Conference of the Romanian Society of Pure and Applied Biophysics (**RSPAB**), IXth edition, with international participation, 2007, Bucharest, Romania

18. **Tudor Luchian**, 'Activity modulation of certain ion-pore forming proteins by electric properties of artificial lipid membranes', IEEE ROMSC 2007 (fourth edition) May 26-29, 2007, Iasi, Romania
19. Roxana Chiriac and Tudor Luchian , Rafts-induced modulation of transport and kinetic activity of alamethicin in artificial lipid membranes, International conference on fundamental and applied research in physics, Iasi, October, 2007
20. Loredana Mereuta and Tudor Luchian, Membrane dipole potential-induced modulation of current fluctuations through the OmpF porin, International conference on fundamental and applied research in physics, Iasi, October, 2007
21. Loredana Mereuta, **Tudor Luchian**, 'Dipole moment-induced modulation of ion channels activity in phospholipid planar membranes', The 5th International Conference on Global Research and Education, 25-28 September 2006, Iasi, Inter-Academia 2006
22. Loredana Mereuta, **Tudor Luchian**, 'Electrical Coupling Between La³⁺ Ions and Alamethicin Insertion into Artificial Lipid Membranes', International Conference on Fundamental and Applied Research in Physics FARPhys , Iasi, 26-29 October 2005
23. Loredana Mereuta, Catalin Petrea, Adi Cernescu, **Tudor Luchian**, 'Compound action potential alterations induced by heavy metals on the nerve-striate muscle system, monitored via extracellular measurements', 1st International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld-2005), March 15-18th 2005, Badajoz, Spain
24. Adrian Cernescu, Florin Pintilie, Răzvan Guțu, **Tudor Luchian**, 'Diffusion processes at the interface of two liquids under gradients of concentration and diffusion constants', The 5th International Conference on Biological Physics ICBP 2004, Gothenburg, August 23 - 27, 2004,A03-117
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26. Seong-Ho Shin, **Tudor Luchian**, Hagan Bayley – '*Single-molecule covalent chemistry with spatially separated reactants*', Elucidating biomolecular networks by single-molecule technologies, Monte Verita, Ascona, Switzerland, pp. 98, 2003
27. Seong-Ho Shin, **Tudor Luchian**, Sandra Loudwig, Hagan Bayley – '*Kinetics of photoinduced reactions at the single molecule level*', Elucidating biomolecular networks by single-molecule technologies, Monte Verita, Ascona, Switzerland, pp. 83, 2003

28. Shin Seong-Ho, **Tudor Luchian**, Cheley Steve, Braha Orit, Bayley Hagan – ‘*Reversible covalent chemistry studied in a protein-based nanoreactor at the single molecule level*’, Lost Pines Conference, UT M.D. Anderson Science Park, Smithville, Texas, October 25-27 2002
29. Catalin Pavel, Bogdan Bancia, **Tudor Luchian** - ‘*The vectorial effect of exogenous electric fields on excitable membranes*’, The 12-th BIOCHEMICAL BIOPHYSICAL BALKAN DAY "Molecular Biosciences in the PostGenomic Era" May, 10th-13th, Bucharest, 2001
30. **Tudor Luchian** – ‘*Peculiar voltage-dependence processes at the interaction between N-type Ca^{2+} channels and synthetic conopeptides*’, Fourth General Conference of the Balkan Physical Union, Veliko Turnovo, 16P-016, 2000
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32. **Tudor Luchian**, Wolfgang Schreibmayer - ‘*Block of a G-protein activated potassium channel from rat atrium by cytosolic applied peptides*’, Annual Meeting of the Austrian Neuroscience Association, Graz (Austria), pp. 100, 1995
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