Marius Surleac
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EXPERIENȚĂ PROFESIONALĂ

Cercetător Științific II
Institutul Național de Boli Infecțioase "Prof. Dr. Matei Balș", BUCUREȘTI
Noiembrie 2024 – prezent

Cercetător Științific II
ICUB, Universitatea din București, BUCUREȘTI
August 2024 – prezent

Lector Universitar
Masterat de Bioinformatică Medicală, Universitatea din București, BUCUREȘTI
Octombrie 2022 – prezent

Cercetător Științific III (Fizician)
Institutul Național de Boli Infecțioase "Prof. Dr. Matei Balș", BUCUREȘTI
August 2021 – Octombrie 2024

Cercetător Științific (Fizician)
Institutul Național de Boli Infecțioase "Prof. Dr. Matei Balș", BUCUREȘTI
Martie 2018 – August 2021

Cercetător Științific (Fizician)
Spitalul Clinic Colentina, BUCUREȘTI
Martie 2016 - Martie 2017

Asistent de Cercetare
Institutul de Biochimie al Academiei Române, BUCUREȘTI
Ianuarie 2011 - Iulie 2018

Expert tip C
Institutul de Biochimie al Academiei Române, BUCUREȘTI
Septembrie 2010 - Octombrie 2010

Fizician
Universitatea de Medicină și Farmacie ”Carol Davila”, BUCUREȘTI
Octombrie 2006 - Iunie 2010

Operator Facturare
Vartaco Comimpex, BUCUREȘTI
Septembrie 2005 - Mai 2007

STUDII

Institutul de Biochimie al Academiei Române
Decembrie 2009 - Octombrie 2017
Tipul studiilor: **Doctorat**
Specializare: **Biologie - Biochimie - Bioinformatică**
Oraș: BUCUREȘTI

Universitatea de Medicină și Farmacie "Carol Davila"
Octombrie 2006 - Septembrie 2008
Tipul studiilor: **Masterat**
Specializare: **Biofizică și Biotehnologie Celulară**
Oraș: BUCUREȘTI

Universitatea "Alexandru Ioan Cuza"
Septembrie 2001 - Iunie 2005
Tipul studiilor: **Licență**
Specializare: **Fizică - Biofizică**
Oraș: IAȘI

ACTIVITATE DIDACTICĂ

Februarie 2024 – prezent – Curs "*Acizi Nucleici*", Masterul Profesional de Bioinformatică Medicală & Masterul de Neurobiologie, Facultatea de Biologie, Universitatea din București.

Februarie 2023 – prezent – Curs și Laborator "*Biostatistică*", Masterul Profesional de Bioinformatică Medicală, Facultatea de Biologie, Universitatea din București.

Octombrie 2022 – prezent – Curs și Laborator "*Limbaje de programare. LINUX*", Masterul Profesional de Bioinformatică Medicală, Facultatea de Biologie, Universitatea din București.

25 Noiembrie – 2 Decembrie 2020 – Curs și Laborator "*Whole genome sequencing of bacterial and viral pathogens. Strategies for data generation and analysis*", Masterul Profesional de Bioinformatică Medicală, Facultatea de Biologie, Universitatea din București.

18-22 Noiembrie 2019 – Lector Curs de Bioinformatică în cadrul școlii „ERASMUS Mundus Joint Master Degree in Infectious Diseases and One Health (IDOH)", Tours, Franța. Module coordinator: Stephanie Germon. http://infectious-diseases-one-health.eu/index.html

ABILITĂȚI

Limbi străine:
Engleză: avansat
Franceză: mediu
Germană: începător
Spaniolă: începător

Competențe cheie:
Capacitate de analiză, Capacitate de lucru în echipă, Capacitate de învățare rapidă, Atenție distributivă, Disponibilitate de învățare continuă, Capacități de organizare și planificare.

Expertiză bioinformatică:
Linux, AWK, Bash, R, VIM, Vbox, HTML, Data Analysis, Modeller, Geneious Prime, UGENE, VMD, PyMol, NAMD, Sander, Amber tools, Autodock Tools, Autodock Vina, Insight II, etc.
Basic level: Python, C++, MySQL, PHP, Tcl.
Altele: Microsoft Office, Affinity Designer, DxO Photolab, Lightroom, Inkscape, CorelDraw, Photoshop, Wordpress.

Cursuri, premii, burse:
- Participare la cursul "*GenEpi-BioTrain - topical training: Bioinformaticians' roles and responsibilities in WGS-based MRSA, CRE and Clostridioides difficile surveillance and outbreak investigation*", ECDC, 30 Ianuarie – 1 Februarie 2024, Copenhaga, Danemarca. Organizat de ECDC.
- Participare la cursul „*How to design and deliver pathogen genomics training for health and research professionals*", Wellcome Genome Campus, 26-29 Iunie 2023, Hinxton, Cambridge, UK. Organizat de Wellcome Connecting Science & Centre for Genomic Pathogen Surveillance.
- *Premiul pentru cea mai bună prezentare orală* - 15th edition of the Scientific Days of the National Institute for Infectious Diseases "Prof. Dr. Matei Balș", 30 Octombrie - 1 Noiembrie 2019, București.
- *Certificate of attendance* - 23rd International Bioinformatics Workshop on Virus Evolution and Molecular Epidemiology (VEME), Berlin, Germania, 2018.
- *Premiul I*, Secțiunea *Correlation Structure–Properties in Biological Models – Drug Design*, pentru prezentare poster la "The Annual International Conference of the Romanian Society for Biochemistry & Molecular Biology", Timișoara, România, 2017.
- *Herbert Berler - Barbu Award*, pentru prezentare orală la „IXth *Academician Nicolae Cajal* Symposium", București 2014.
- *Bursă de student* din partea Societății Europene de Biofizică (EBSA), 9th EBSA European Biophysics Congress, Lisabona, Portugalia, 2013.
- *Best Poster Award*, pentru prezentare poster la "International Conference of RSBMB", Craiova, 2011.
- *Graduation Paper* - International Scientific Workshop and Postgraduate Course "*Electroporation based Technologies and Treatments*", Ljubljana, Slovenia, 2007.
- *Premiul III*, pentru prezentare poster la „Conferinţa Naţională de Biochimie (Societatea Română de Biochimie şi Biologie Moleculară - FEBS)", Bucureşti 2003.

Atestate:
Certificate of training - HP Storage Works X9000 File Serving Software System.

Comitete/Societăți:
1. Membru în Comitetul Științific al Conferinței Române de Bioinformatică - RoBioinfo Conference, 2023/2024.
2. Membru în Comitetul Societății Române de Bioinformatică.
3. Membru în Societatea Internațională de Biologie Computațională.
4. Membru în Societatea Română de Biochimie.
5. Membru în Societatea Română de Biofizică.

Workshop-uri ținute

"**Hands-on Pathogen genomics course – from sequence analysis to impact on public health**" – 23-24 Octombrie 2023, Cluj Napoca, Romania. Workshopul a fost susținut împreună cu Monica Abrudan (CGPS, University of Oxford, UK) și organizat împreună cu Societatea Română de Bioinformatică & Facultatea de Biologie și Geologie, Universitatea "Babeș-Bolyai"

PROIECTE

Director de proiecte/burse:

2. PN-III-P1-1.1-PD-2021-0540 (PD 102 din 26/04/2022) – Proiect Postdoctoral – "***Cartografierea Elementelor Genetice Mobile - Studiu Bioinformatic Asupra Rezistomului ESKAPE din Probe Clinice și De Mediu din România***" - (EMPIRE), 2022-2024, Institutul Național de Boli Infecțioase "Prof. Dr. Matei Balș".

1. Bursa de perfectionare pentru tineri cercetatori - "***Optimizing dedicated workflows for the analysis of deep sequencing data on pathogens***", Institutul de Cercetare al Universității din București, grant no. 20964/30.10.2020.

Membru în Proiecte de Cercetare:

14. "**Investigarea resistomului, mobilomului și virulomului la tulpini multirezistente nosocomiale și acvatice de Acinetobacter baumannii în România**", cod proiect: PN-III-P1-1.1-TE-2021-1515 (contract TE 112/2022).

13. „**Circuitul acvatic al biocidelor antibacteriene - abordare integrata pentru evaluarea si gestionarea riscurilor asociate antibiorezistenței**", cod proiect COFUND-AQUATIC POLLUTANTS-BIOCIDE (contract ERANET 243/2021).

12. **Global Influenza Hospital-based Surveillance Network** (GIHSN) grant 2018/19.

11. Competență și calitate în serviciile medicale prioritare prin formarea specifică a personalului medical în domeniul bolilor infecțioase - Programul Operational Capital Uman (POCU) Cod SMIS: 108129.

10. PN-III-P3-3.1-PM-RO-CN-2018-0147, Cooperare bilaterală Romania-Republica Populară Chineză - „***In silico and experimental studies of mobile genetic platforms encoding for multi-drug resistance***" - RESCuE-REsistan, 2018-2020.

9. PN-III-P4-ID-PCCF2016-0114, Program P4 - Cercetare fundamentală și de frontieră / Proiecte complexe de cercetare de frontieră (PCCF) - „***Selection and dissemination of antibiotic resistance genes from wastewater treatment plants into the aquatic environment and clinical reservoirs***" - RADAR, 2018-2022.

8. PN-III-P3-3.5-EUK-2017-02-0030, Program P3 Cooperare Europeană și Internaţională, Subprogram 3.5 Alte iniţiative şi programe europene şi internaţionale (EUREKA) - „***Valorificarea unor noi ținte terapeutice în boala Alzheimer și patologii neurodegenerative asociate***" - XploitAD, 2018-2021.

7. PN-III-P1-1.1-TE-2016-1852, Program P1 - Dezvoltarea sistemului național de CD, Subprogram 1.1 - Resurse Umane, Proiecte de cercetare pentru stimularea tinerelor echipe independente (TE) - "***Predicţia energiei libere în procese biomoleculare folosind algoritmi de robotică de mare viteză şi aplicarea lor în cercetarea experimentală***" - ROBOFEP, 2018-2020.

6. PN-III-P4-ID-PCE-2016-0650, Program Național IDEI - „***Investigarea asistată structural a unor familii critice de proteine implicate în imunitatea plantelor***” - STRASSIST, 2017-2019.
5. PNIII-P3-53/25-04-2016 ERANET HIVERA, Program Cooperare Europeană și Internațională, Subprogram 3.2 Orizont 2020 - ”***Screening and developing of a novel family of natural and synthetic HIV Integrase inhibitors which do not interfere with V(D)J recombination***” - HIVINVDJ, 2016-2018.
4. PN-II-PT-PCCA-2013-4-0930, Program Național Parteneriate - ”***Designul și testarea unei noi familii de medicamente inhibitori de HIV Integrază care nu interferă cu procesul recombinării V(D)J***” - HIVINVDJ, 2014-2016.
3. PN-II-ID-PCE-2011-3-0342, CNSC Program IDEI, Proiecte de Cercetare Exploratorie - "***Modeling molecular complexes and assemblies with experimental and bioinformatics constraints***" - MOLINT, 2011-2014.
2. Proiect 15/2008 CNCSIS Internațional Capacități COPBIL, România-Ungaria - „***Măsurarea mecanicii interacțiunii ligand-receptor la suprafața celulară***” - 2008-2010.
1. 2-CEEX-06-11-93/2006, Proiect Național Parteneriate CNCSIS - ”***Structuri supramoleculare bidimensionale autoasamblate pe bază de molecule organice funcționalizate***” - 2006-2008.

Reviewer la următoarele reviste:
Frontiers in Microbiology, PLoS One, Environmental Pollution, MDPI (Life, Microorganisms, Pathogens, Marine Drugs, Applied Sciences)

LISTĂ DE LUCRĂRI ȘI PARTICIPĂRI LA CONFERINȚE

Lucrări publicate:

Articole și capitole de carte publicate în calitate de autor principal:

13. Rotaru LI, **Surleac M**, “*PeGAS: a versatile bioinformatics pipeline for antimicrobial resistance, virulence and pangenome analysis*”, ***Bioinformatics Advances***, Volume 5, Issue 1, vbaf165, 2025.
IF: 2.8; **AIS**: 1.357

12. **Surleac M**, Stanciu AM, Florea D, Paraschiv S, Tălăpan D, Flonta M, Vasile CC, Popescu GA, Oțelea D, “*A clinical and molecular analysis of Candidozyma auris strains from Romania, 2022-2023*”, ***Microbiol Spectr.***, e0280924, 2025. [40387391]
IF: 3.8; **AIS**: 1.022

11. Hohan R, **Surleac M**, Miron VD, Tudor A, Tudor AM, Sandulescu O, Vlaicu O, Arama V, Pitigoi D, Hristea A, Draganescu AC, Paraskevis D, Banica L, Otelea D, Paraschiv S, “*Ongoing measles outbreak in Romania: Clinical investigation and molecular epidemiology performed on whole genome sequences*”, ***PLoS ONE***; 20(1): e0317045, 2025. [39813269]
IF: 2.9; **AIS**: 0.886

10. Gheorghe-Barbu I, Czobor Barbu I, Dragomir RI, Marinas IC, Stan MS, Pericleanu R, Dumbravă AS, Rotaru LI, Paraschiv S, Banica LM, Pecete, I, Oțelea D, Cristea VC, Popa MI, Tantu MM, **Surleac M**, “*Emerging Resistance and Virulence Patterns in Salmonella enterica: Insights into Silver Nanoparticles as an Antimicrobial Strategy*”, ***Antibiotics***; 14, 46, 2025.
IF: 4.3; **AIS**: 0.839

9. Gheorghe-Barbu I, **Surleac M**, Barbu IC, Paraschiv S, Bănică LM, Rotaru LI, Vrâncianu CO, Niță Lazăr M, Oțelea D, Chifiriuc MC., "*Decoding the resistome, virulome and mobilome of clinical versus aquatic* Acinetobacter baumannii *in southern Romania*", ***Heliyon***; 10(13):e33372, 2024. [39035534]
IF: 4.0; **AIS**: 0.615

8. Stanciu AM, Florea D, **Surleac M***, Paraschiv S, Oțelea D, Tălăpan D, Popescu GA. "*First report of Candida auris in Romania: clinical and molecular aspects*", ***Antimicrob Resist Infect Control***, 12(1):91, 2023. [37674189]
IF: 4.8; **AIS**: 1.398

7. Gheorghe-Barbu, I., Barbu, I.C., Popa, L.I. *et al.* "*Temporo-spatial variations in resistance determinants and clonality of* Acinetobacter baumannii *and* Pseudomonas aeruginosa *strains from Romanian hospitals and wastewaters*", ***Antimicrob Resist Infect Control***, 11(1): 15, 2022. [36104761]
IF: 5.5; **AIS**: 1.404

6. Gheorghe, I., Barbu, I.C., **Surleac, M.*** *et al.* "Subtypes, resistance and virulence platforms in extended-drug resistant *Acinetobacter baumannii* Romanian isolates", ***Sci Rep***, 11, 13288, 2021. [34168184]
IF: 4.997; **AIS**: 1.208

5. **Surleac M***, Casangiu C, Banica L, Milu P, Florea D, Sandulescu O, Streinu-Cercel A, Vlaicu O, Tudor A, Hohan R, Paraschiv S, Otelea D. "*Evidence of novel SARS-CoV-2 variants circulation in Romania*", ***AIDS Res Hum Retroviruses***, 37(4):329-332, 2021. Short communication – Article. [PMID: 33544010]
IF: 1.723; **AIS**: 0.586

4. **Surleac, M.***; Banica, L.*; Casangiu, C.; Cotic, M.; Florea, D.; Sandulescu, O.; Milu, P.; Streinu-Cercel, A.; Vlaicu, O.; Paraskevis, D.; Paraschiv, S.; Otelea, D. "*Molecular Epidemiology Analysis of SARS-CoV-2 Strains Circulating in Romania during the First Months of the Pandemic*", ***Life***, 10(8):152, 2020. [PMID: 32823907]
IF: 3.817; **AIS**: 1.939

3. **Surleac M***, Czobor Barbu I*, Paraschiv S*, Popa LI, Gheorghe I, Marutescu L, et al., „*Whole genome sequencing snapshot of multi-drug resistant Klebsiella pneumoniae strains from hospitals and receiving wastewater treatment plants in Southern Romania.*", ***PLoS ONE*** 15(1): e0228079, 2020. [PMID: 31999747]
IF: 3.240; **AIS**: 1.011

2. Kozuki T*, Chikamori K*, ***Surleac MD****, Micluta MA, Petrescu AJ, Norris EJ, Elson P, Hoeltge GA, Grabowski DR, Porter ACG, Ganapathi RN, Ganapathi MK. "*Roles of the C-terminal domains of topoisomerase IIα and topoisomerase IIβ in regulation of the decatenation checkpoint*.", ***Nucleic Acids Res***. 45(10), 5995-6010, 2017. [PMID: 28472494]
IF: 11.561; **AIS**: 4.279

1. **Surleac MD***, Spiridon LN, Tacutu R, Milac AL, Petrescu SM, Petrescu AJ, *"The Structural Assessment of Glycosylation Sites Database – SAGS – An Overall View on N-Glycosylation."*, ***Glycosylation,*** Chap. 1, 1-22, 2012. [DOI: 10.5772/51690]

0. **M. Surleac***, C. Ivan-Draguţ, D.E. Creangă, S. Oancea, "*Complexity investigations in electrographic images of ionic solutions*", ***Rom. Journ. Phys.***, 51(1–2), p.89–96, 2006.
IF: 0.1; **AIS**: 0.194

Articole publicate în calitate de autor colaborator:

17. Magome TG, Surleac M, Hassim A, Bezuidenhout CC, van Heerden H, Lekota KE, "*Decoding the anomalies: a genome-based analysis of Bacillus cereus group strains closely related to Bacillus anthracis*", ***Front. Microbiol.***, 16:1527049, 2025. [PMID:]
IF: 4.0; **AIS**: 1.049

16. Vlaicu, O., Banica, L., Hohan, R., Surleac, M., Florea, D., Miron, V. D., Tudor, A., Săndulescu, O., Drăgănescu, A. C., Oțelea, D., Paraschiv, S., "*Antigenic Divergence from the Seasonal Vaccine of the Influenza Virus Strains Circulating in Romania During Three Successive Seasons (2021–2024)*", ***Microorganisms***; 12(11), 2363, 2024.
IF: 4.1; **AIS**: 0.870

15. Ionete A, Surleac M, Uta M, Varady Z, Bica AM, Jercan CG, Colita A, Coriu D. "*Extracorporeal Photopheresis in Pediatric and Adult Patients with Graft-Versus-Host Disease*", ***J Clin Med.***;13(17):5192, 2024.
IF: 3.0; **AIS**: 0.844

14. Gheorghe-Barbu I, Dragomir RI, Gradisteanu Pircalabioru G, Surleac M, Dinu IA, Gaboreanu MD, Czobor Barbu I., "*Tracing* Acinetobacter baumannii*'s Journey from Hospitals to Aquatic Ecosystems*", ***Microorganisms***; 12(8):1703, 2024.
IF: 4.1; **AIS**: 0.870

13. Streinu-Cercel A, Săndulescu O, Miron VD, Paraschiv S, Casangiu C, Hohan R, Bănică L, Surleac M, Streinu-Cercel A., "*Undetected Omicron Transmission in Romania-Report of the First Detected Case of Locally Acquired Omicron Infection and Complete Epidemiological Investigation*", ***Diagnostics*** (Basel); 12(2):348, 2022.
IF: 3.6; **AIS**: 0.670

12. Miron VD, Bănică L, Săndulescu O, Paraschiv S, Surleac M, Florea D, Vlaicu O, Milu P, Streinu-Cercel A, Bilașco A, Oțelea D, Pițigoi D, Streinu-Cercel A, Drăgănescu AC, "*Clinical and molecular epidemiology of influenza viruses from Romanian patients hospitalized during the 2019/20 season*", **PLoS One**; 16(11):e0258798, 2021.
IF: 3.752; **AIS**: 0.974

11. Hohan Robert, Petre Milu, Simona Paraschiv, Corina Casangiu, Andreea Tudor, Ovidiu Vlaicu, Leontina Banica, Marius Surleac, Dragos Florea, and Dan Otelea, "*The Predictive Value of Mutation Screening for Anticipating COVID-19 Waves*", ***Pathogens***, 10, no. 11: 1464, 2021.
IF: 4.531; **AIS**: 0.850

10. Georgiana Manica, Simona Ghenea, Cristian V. A. Munteanu, Eliza C. Martin, Cristian Butnaru, Marius Surleac, Gabriela N. Chiritoiu, Petruta R. Alexandru, Andrei-Jose Petrescu and Stefana M. Petrescu, „*EDEM3 Domains Cooperate to Perform Its Overall Cell Functioning*", ***Int. J. Mol. Sci.***, 22(4):2172, 2021. [PMID: 33671632]
IF: 6.208; **AIS**: 1.064

9. Popa Laura Ioana, Gheorghe Irina, Barbu Ilda Czobor, Surleac Marius, Paraschiv Simona, Măruţescu Luminiţa, Popa Marcela, Pîrcălăbioru Graţiela Grădişteanu, Talapan Daniela, Niţă Mihai, Streinu-Cercel Anca, Streinu-Cercel Adrian, Oţelea Dan, Chifiriuc Mariana Carmen, „*Multidrug Resistant Klebsiella pneumoniae ST101 Clone Survival Chain From Inpatients to Hospital Effluent After Chlorine Treatment*", ***Frontiers in Microbiology***, 11:610296, 2021. [PMID: 33584574]
IF: 6,064; **AIS**: 1.255

8. Mihaela Georgiana Mușat, George Mihai Nițulescu, Marius Surleac, Aristidis Tsatsakis, Demetrios A. Spandidos, Denisa Margină, „*HIV-1 integrase inhibitors targeting various DDE transposases: Retroviral integration versus RAG-mediated recombination*", ***Molecular Medicine Reports***, 20(6):4749-4762, 2019. Review-Article [PMID: 31702817]
IF: 2.1; **AIS**: 0.405

7. Yuhang Zhang, Tat Cheung Cheng, Guangrui Huang, Qingyi Lu, Marius D. Surleac, Jeffrey D. Mandell, Pierre Pontarotti, Andrei J. Petrescu, Anlong Xu, Yong Xiong, David G. Schatz, „*Transposon Molecular Domestication and the Evolution of the RAG Recombinase*", ***Nature***, 569(79-84), 2019. [PMID: 30971819]
IF: 42.779; **AIS**: 21.917

6. Ciubotaru M, Musat MG, **Surleac M**, Ionita E, Petrescu AJ, Abele E, Abele R, *"The Design of New HIV-IN Tethered Bifunctional Inhibitors using Multiple Microdomain Targeted Docking"*, ***Curr Med Chem.***; 26(15):2574-2600, 2019. Review-Article [PMID: 29623824]
IF: 3.894; **AIS**: 0.788

5. Eric J. Norris, Wendell D. Jones, **Marius D. Surleac**, Andrei J. Petrescu, Darla Destephanis, Qing Zhang, Issam Hamadeh, Jeffrey S. Kneisl, Chad A. Livasy, Ram N. Ganapathi, David L. Tait, Mahrukh K. Ganapathi, *"Clonal lineage of high grade serous ovarian cancer in a patient with neurofibromatosis type 1"*, ***Gynecologic Oncology Reports***; 23:41-44, 2018. [PMID: 29892687]
IF: 0; **AIS**: 0

4. Zhang YH, Shetty K, **Surleac MD**, Petrescu AJ, Schatz DG, *"Mapping and Quantitation of the Interaction Between the Recombination Activating Gene Proteins RAG1 and RAG2"*, ***J Biol Chem;*** 290(19):11802-17, 2015. [PMID: 25745109]
IF: 4.258; **AIS**: 1.646

3. Ciubotaru M, **Surleac MD**, Metskas LA, Koo P, Rhoades E, Petrescu AJ, Schatz DG, *"The architecture of the 12RSS in V(D)J recombination signal and synaptic complexes"*, ***Nucleic Acids Research***; 43(2):917-931, 2015. [PMID: 25550426]
IF: 9.202; **AIS**: 3.638

2. Anna Wypijewska del Nogal, **Marius D. Surleac**, Joanna Kowalska, Maciej Lukaszewicz, Jacek Jemielity, Martin Bisaillon, Edward Darzynkiewicz, Adina L. Milac, Elzbieta Bojarska, *"Analysis of*

Decapping Scavenger (DcpS)-cap complex using modified cap analogs reveals molecular determinants for efficient cap binding", ***FEBS Journal***; Volume 280, Issue 24, pages 6508–6527, 2013. [PMID: 24119043]
IF: 3.986; **AIS**: 1.243

1. Ciubotaru M, Trexler AJ, Spiridon LN, **Surleac MD**, Rhoades E, Petrescu AJ and Schatz DG, *"RAG and HMGB1 create a large bend in the 23RSS in the V(D)J recombination synaptic complex"*, ***Nucleic Acids Research***; 41(4):2437-2454, 2013. [PMID: 23293004]
IF: 8.808; **AIS**: 3.377

Non ISI

0. Mihai Ciubotaru, **Marius Surleac**, Mihaela G. Mușat, Andreea M. Rusu, Elena Ioniță, Paul C. C. Albu, *„DNA bending in the synaptic complex in V(D)J recombination: turning an ancestral transpososome upside down"*, ***DISCOVERIES***, Vol. 2, No. 1, P.1-15, 2014. [DOI: 10.15190/d.2014.5]

0. Florin Ciobanu, Mihai Radu, Mihaela Moisescu, **Marius Surleac**, Laura Bajenaru, Tudor Savopol, Eugenia Kovacs, *„Electroporation of malignant cells for enhanced uptake of therapeutic drugs"*, ***Romanian J. Biophys.***, Vol. 17, No. 3, p.211–217, 2007.

0. M. Pintilei, L. Oprica, **M. Surleac**, C. Dragut-Ivan, D. E. Creangă, V. Artenie, *"Enzyme activity in plants treated with magnetic liquid"*, ***Rom. Journ. Phys.***, 51(1–2), p.239–244, 2006.

0. C. M. Drăguţ-Ivan, ***M. Surleac***, D. Creangă, *"Electrical discharge influence on assimilatory pigments in plants"*, ***Revista Ştiinţifică "V. Adamachi"***, P. 128-129, 2004.

Acknowledged:
Carmona LM, Schatz DG, "*New insights into the evolutionary origins of the recombination-activating gene proteins and V(D)J recombination*", ***FEBS J.***,284(11):1590-1605, 2017.

Vlaicu O, Selescu T, Pastrama F, Munteanu C, Riva L, Dubuisson J, Rouille Y, Popescu CI, "*Novel replicons and trans-encapsidation systems for Hepatitis C Virus proteins live imaging and virus-host interaction proteomics*", ***J Virol Methods.***, 246:42-50, 2017.

Huang S, Tao X, Yuan S, Zhang Y, Li P, Beilinson HA, Zhang Y, Yu W, Pontarotti P, Escriva H, Le Petillon Y, Liu X, Chen S, Schatz DG, Xu A, "*Discovery of an Active RAG Transposon Illuminates the Origins of V(D)J Recombination*", ***Cell***, 166(1):102-14, 2016.

Sueldo DJ, Shimels M, Spiridon LN, Caldararu O, Petrescu AJ, Joosten MH, Tameling WI, "*Random mutagenesis of the nucleotide-binding domain of NRC1 (NB-LRR Required for Hypersensitive Response-Associated Cell Death-1), a downstream signalling nucleotide-binding, leucine-rich repeat (NB-LRR) protein, identifies gain-of-function mutations in the nucleotide-binding pocket*", ***New Phytol.***, 208(1):210-23, 2015.

Indice Hirsch (conform Google Scholar): 14
Indice Hirsch (conform Web of Knowledge): 11

Factor de Impact cumulat: 168
AIS cumulat: 58.12
Researcher ID: C-6182-2017

PREZENTĂRI LA CONFERINȚE:

Expuneri orale și premii

"*Tracking AMR and Its Selectors in Romanian Wastewater Treatment Plants: Insights from Multi-Year National Surveys*" – International Conference One Health, Bucharest, November 21-22, Bucharest – (Mariana Carmen Chifiriuc, Luminita Marutescu, Marcela Popa, Ilda Barbu, Irina Barbu, Adrian Streinu-Cercel, Dan Oțelea, Simona Paraschiv, **Marius Surleac**, Mircea Ioan Popa, Alexandru-Andrei Muntean, Mihai-Niță Lazăr, Anton Ficai, Ecaterina Andronescu).

"*Advancing viral genomics through comprehensive bioinformatic approaches: challenges and solutions*" – HIV Sibiu Dialogues VI, 6 - 8 June, 2024, Sibiu, Romania – (**Marius Surleac**, Simona Paraschiv, Leontina Banica, Ovidiu Vlaicu, Dragos Florea, Dan Otelea); "*Phylogenetic analysis of partial genome sequences of human T-cell lymphotropic virus type 1 (HTLV-1) from Romanian patients*" (Ovidiu Vlaicu, Marius Surleac, Simona Paraschiv, Leontina Bănică, Anca Streinu-Cercel, Oana Săndulescu, Dragoș Florea, Adrian Streinu-Cercel, Dan Oțelea)

"*Clustering in Context: Antimicrobial Resistance and MGE Dynamics in ESKAPE Pathogens Circulating across Environmental and Used WWTP Waters in Romanian Cities*" - 7th Environmental Dimension of Antimicrobial Resistance conference (EDAR7), May 26-31, 2024 in Montreal, Quebec, Canada – (**M. Surleac**, I. Czobor Barbu, S. Paraschiv, I. Gheorghe-Barbu, Liviu I. Rotaru, D. Oțelea, M.C. Chifiriuc).

„*Bioinformatic Insights into Resistant Escherichia Coli Isolated from Different Aquatic Environments in Romania*" - 18th International Conference on Chemistry and the Environment (ICCE 2023), 11 – 15 June, 2023, Venice, Italy – (**M. Surleac**, I. Czobor Barbu, S. Paraschiv, I. Gheorghe-Barbu, D. Oțelea, M.C. Chifiriuc); „*Comparative Phenotypic and Molecular Characterization of Clinical and Aquatic Multidrug Resistant Acinetobacter Baumannii Circulating Clones Isolated in Romania for Four Consecutive Years*" (I. Gheorghe-Barbu, I. Czobor Barbu, V.M. Corbu, G.A. Grigore, O.C. Vrâncianu, M. Surleac, S. Paraschiv, L. Bănică, A.M. Muntean, I. Pecete, L. Măruțescu, M. Popa, M.I. Popa, D. Oțelea, M.C. Chifiriuc); *Session 5 - Biologically active substances, transformation products and antibiotic resistance determinants in wastewater and sludge receiving environments*, #OP404, #OP225.

„*Antibiotic resistance shuttles in Romanian ESKAPE isolates from surface/used waters and clinical isolates*" - 2023 RoBioinfo Conference, Bucharest, Romania, 11th-13th May, 2023 – (**Marius Surleac**, Ilda Czobor Barbu, Simona Paraschiv, Irina Gheorghe-Barbu, Robert Hohan, Liviu I Rotaru, Carmen Chifiriuc, Dan Otelea).

"*Turning the Escherichia coli upside-down - an overview on the pathogenicity and MGE of strains circulating in Romania between 2019-2020*" - 18th Edition of The Scientific Days of the National Institute for Infectious Diseases „Prof. Dr. Matei Balș" National Congress, Sinaia, Romania, November 21-24, 2022 - (**Marius Surleac**, Ilda Czobor Barbu, Simona Paraschiv, Irina Gheorghe-Barbu, Robert Hohan, Carmen Chifiriuc, Dan Otelea); „*Monkeypox: o analiză filogenetică pornind de la genoame integrale ale unor tulpini depistate în România*" (Robert Hohan, Simona Paraschiv, Marius Surleac,

Ovidiu Vlaicu, Leontina Banica, Andreea Tudor, Dragoș Florea, Dan Oțelea); „*Evolutia genei S a SARS-CoV-2 pe parcursul întregii pandemii: tendințe globale și locale*" (Corina Casangiu, Simona Paraschiv, Marius Surleac, Leontina Banica, Dan Otelea).

"*Wastewater treatment plants at the crossroads of the aquatic and clinical reservoirs of antimicrobial resistance – The radar study*" - Symposium of International Chemical Engineering and Materials (SICHEM), UPB, Bucharest, Romania, 17 – 18 November, 2022 - (Mariana Carmen Chifiriuc, Marcela Popa, Luminita Marutescu, Ilda Czobor, Irina Gheorghe, Gratiela Gradisteanu, Dan Otelea, Simona Paraschiv, **Marius Surleac**, Mircea Ioan Popa, Cerasela Dragomirescu, Alexandru Muntean, Codruta Usein, Mihaela Oprea, Sorin Dinu, Mihai Nita Lazar, Anton Ficai).

„*The diversity of ongoing SARS-CoV-2 strains: the story of the first two pandemic years*", Conferinta Societatii de Medicina de Voiaj, 21-23 Octombrie 2021, online – (**Marius Surleac**, Simona Paraschiv)

„*NGS for microbial AR and virulence surveillance of hospital wastewaters*", 17th edition of Scientific Days of the National Institute for Infectious Diseases "Prof. Dr. Matei Balș", 18-21 Octombrie 2021, online - (**Marius Surleac**, Carmen Chifiriuc).

"*Bacterial WGS and 16S Metagenomics sequencing studies in Romania*", 8th @RoBioinfo Seminar: Study of Antimicrobial Resistance using Genomics, 4 November 2020, online - (**Marius Surleac**, Simona Paraschiv, Ilda Czobor Barbu, Mariana Carmen Chifiriuc, Dan Otelea).

"*Whole genome sequencing of bacterial pathogens. Strategies for data generation and analysis*", 16th edition of Scientific Days of the National Institute for Infectious Diseases "Prof. Dr. Matei Balș", 26-30 Octombrie 2020, online - (**Marius Surleac**, Simona Paraschiv, Ilda Czobor Barbu, Mariana Carmen Chifiriuc, Dan Otelea).

"*KPC-producing and colistin-resistant Klebsiella pneumoniae ST258 persistence during wastewater treatment plant processes*", 30th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 21-24 Aprilie 2020 (online) – (Czobor I, Gheorghe I, Popa LI, Surleac M, Paraschiv S, Oțelea D, Măruțescu L, Popa M, Mohsin S, Chifiriuc MC).

"*Insights in the resistome of multidrug-resistant Pseudomonas aeruginosa strains isolated in Romania from nosocomial infections and wastewater*", 30th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 21-24 Aprilie 2020 (online) – (Gheoghe I, Czobor I, Popa LI, Avram I, Haitham ASN, Mohsin S, Paraschiv S, Surleac M, Cristea VC, Popa M, Măruțescu L, Oțelea D, Lazăr V, Chifiriuc MC).

„*NGS analysis workflows to generate ARGs profiles between clinical and wastewater K. pneumoniae strains in Romania*", 15th edition of the Scientific Days of the National Institute for Infectious Diseases "Prof. Dr. Matei Balș", 30 Octombrie - 1 Noiembrie 2019, București - (**Marius Surleac**, Simona Paraschiv, Ilda Czobor Barbu, Laura Ioana Popa, Irina Gheorghe, Daniela Talapan, Mariana Carmen Chifiriuc, Dan Otelea). Distins cu *Premiu*, din partea organizatorilor conferinței.

„*Studying the human microbiome – from research to clinical practice*", The 14th edition of Scientific days of the National Institute for Infectious Diseases „Prof. Dr. Matei Bals", 31 Octombrie - 2 Noiembrie 2018, București - (Marius Surleac, Simona Paraschiv, Cătălin Apostolescu, Dragoș Florea, Dan Oțelea).

„*Differential analysis of the structure, interactomes and functions of human topoisomerase IIα and IIβ during decatenation*", The 10th National Pathology Symposium, 23-25 Noiembrie 2017, București, România - (Surleac MD, Munteanu C, Ganapathi R, Ganapathi M, Petrescu A-J).

"*Modeling protein-DNA interactions with experimental constraints. A study case on RAG proteins and the paired complex formation*", XIth Symposium "Acad. Nicolae Cajal", 17-19 Martie 2016, București, România - (Petrescu A-J, Surleac MD, Spiridon LN, Ciubotaru M, Schatz D).

"*Computationally guided research in molecular life science at IBAR*", 25 Years of Promoting Molecular Life Sciences in Romania - International Conference of the Romanian Society of Biochemistry and Molecular Biology, 17-18 Septembrie 2015, București, România - (Andrei J. Petrescu, Adina Milac, Marius Micluţa, Laurențiu Spiridon, Marius Surleac, O. Căldăraru, Cristian V. Munteanu).

"*Modelling Structures in the Twilight Zone and Beyond. Lessons from Resistance and Effector Gene Families*", COST FA 1208 Workshop: Structure-guided Investigation of Effector Function, Action and Recognition, 10-12 Septembrie 2014, București, România - (Spiridon LN, Milac AL, Surleac MD, Căldăraru O, Petrescu AJ).

"*Identifying interactors of human topoisomerase IIα and IIβ through combined bioinformatics and Mass Spectrometry*", The Annual International Conference of the RSBMB, 5-6 Iunie 2014, Băile Felix, Romania - (Marius D. Surleac, Cristian Munteanu, Ram Ganapathi, Mahrukh Ganapathi, Andrei J. Petrescu).

"*Mass Spectrometry interactomics of topoisomerase IIα and IIβ involved in human carcinoma cell lines*", IXth Symposium "Acad. Nicolae Cajal", 13-14 Mai 2014, București, România - (**Marius D. Surleac**, Cristian Munteanu, Ram Ganapathi, Mahrukh Ganapathi, Andrei J. Petrescu). Distins cu *Premiul Herbert Berler-Barbu pentru cea mai bună lucrare a unui tânăr cercetător, 2014*, din partea Fundaţiei "Academician Nicolae Cajal".

„*Multiparameter study of cells in culture exposed to permeabilizing electric pulses*", Conferința Națională de Biofizică, 1-3 Octombrie 2009, Cluj Napoca, România - (M. G. Moisescu, C. Ghenu, I. Cernea, M. Surleac, T. Savopol, E. Kovacs, M. Radu).

"*Optimal parameters in electroporation B16F10 cultured of malignant cells*", "*Apoptosis of cultured cells exposed to 2.45 GHz-EMFs*", International Scientific Workshop and Postgraduate Course "Electroporation Based Technologies and Treatments", 12-17 Noiembrie 2007, Ljubljana, Slovenia - (M. Surleac, L. Bajenaru, M. Moisescu, D. Iancu, T. Savopol, E. Kovacs), (L. Bajenaru, D. Iancu, M. Surleac, I. Paraico, M. Ivan, N. Iacob, M. Moisescu, T. Savopol, E. Kovacs).

"*Electrical discharge influence on assimilatory pigments*", Conferința Națională de Fizică, Ediţia 32, 9 Mai 2004, Iaşi, România - (Marius Surleac, Draguţ Ivan Claudiu Marian, Dorina E. Creangă).

Postere și premii

”*Unlocking Life in Frozen Desolation: A Voyage into the Polar Microbiome through Cutting-Edge Sequencing Techniques*” (Marius Surleac, Georgiana Alexandra Grigore, Diana Mădălina Găboreanu, Corneliu Ovidiu Vrâncianu, Roxana-Elena Cristian, Iris Maria Tușa, Manuela Elisabeta Sidororoff, Simona Paraschiv, Dan Oțelea, Mihaela Păun, Mariana Carmen Chifiriuc) – SCAR 2024, 19-23 August 2024, Pucón – Punta Arenas, Chile.

”*Silver nanoparticle as therapeutic options to fight the resistome, mobilome and virulome of multidrug resistant Acinetobacter baumannii circulating clones in South Romania*” (I. Gheorghe-Barbu, I. Czobor Barbu, V.M. Corbu, A-Ș. Dumbravă, D-M Găboreanu, G.-A Grigore, C.O. Vrâncianu, M. Surleac, S. Paraschiv, D. Oțelea, D. Ficai, A. Ficai and M.C. Chifiriuc) - Polymers 2024, Composites 2024 and 3BS Materials 2024 International Joint Conference, 06 - 08 March 2024, Seville, Spain.

„*Antimicrobial resistance, MGEs and functional profiling through use of shotgun metagenomics on isolates from receiving surface waters proximal to WWTPs*” (M. Surleac*, I. Czobor Barbu, S. Paraschiv, I. Gheorghe-Barbu, D. Oțelea, M.C. Chifiriuc), „*The dynamic changes of human microbiome after fecal transplantation – case report*” (Marius Surleac, Simona Paraschiv*, Leontina Banica, Catalin Apostolescu, Dragos Florea, Dan Otelea) - 8th International Conference on Clinical Metagenomics; & Cell Press LabLinks meeting ‘*Antimicrobial resistance: from mechanisms to global implications*’, 15-17 November 2023, Geneva, Switzerland; #P-18, #P-19.

„*In Vitro Evaluation of Silver Nanoparticles Activity Against 132 Multidrug Resistant Acinetobacter baumannii Strains Isolated From Romanian Hospitals and Aquatic Environments During 2019–2022*” (I. Gheorghe-Barbu, I. Czobor Barbu, V.M. Corbu, A.Ș. Dumbravă, M. Surleac, S. Paraschiv, D. Oțelea, L. Marinescu, D. Ficai, A. Ficai, M.C. Chifiriuc), „*Clonal Transmission of Colistin Resistant Klebsiella Pneumoniae Strains Harboring Endemic Mutations in Mgrb Gene in Clinical Settings and Wastewaters from Romania*” (Ilda Czobor Barbu, Irina Gheorghe-Barbu, Marius Surleac, Ovidiu Vlaicu, Simona Paraschiv, Attila Rațiu, Mariana Carmen Chifiriuc) - 18th International Conference on Chemistry and the Environment (ICCE 2023), 11 – 15 June, 2023, Venice, Italy; *Session 5 - Biologically active substances, transformation products and antibiotic resistance determinants in wastewater and sludge receiving environments,* #PP2_017; #PP2_018.

"*An Overview On The Dynamics Of Mobile Genetic Elements In Clinical And Environmental WGS ESKAPEE Pathogens In Romania*" - 6th Conference on the Environmental Dimension of Antibiotic Resistance (EDAR6), Gothenburg, Sweden, September 22-27, 2022. (P1-009) - (Marius Surleac, Ilda Czobor Barbu, Simona Paraschiv, Irina Gheorghe, Robert Hohan, Carmen Chifiriuc, Dan Oțelea).

"*Antibiotic And Biocides Resistance Genes In Acinetobacter Baumannii Clinical And Wastewater Strains Before And After The Onset Of COVID-19 Pandemic*" - 6th Conference on the Environmental Dimension of Antibiotic Resistance (EDAR6), Gothenburg, Sweden, September 22-27, 2022. (P1-085) - (Ilda Czobor Barbu, Irina Gheorghe, Marius Surleac, Simona Paraschiv, Gratiela Gradisteanu Pircalabioru, Dan Otelea, Mariana Carmen Chifiriuc).

„*Tracking down multidrug-resistant Acinetobacter baumannii isolates from hospital to the aquatic environment via the wastewater network*”, 31st ECCMID, the European Congress of Clinical Microbiology and Infectious Diseases, 9-12 Iulie, 2021, online – (Irina Gheorghe, Ilda Czobor Barbu, Marius Surleac, Laura Ioana Popa, Simona Paraschiv, Marcela Popa, Gratiela Gradisteanu Pircalabioru, Luminita Marutescu, Daniela Talapan, Alina Banciu, Catalina Stoica, Stefania Gheorghe, Irina

Lucaciu, Mihai Nita Lazar, Alexandru Muntean, Dan Otelea, Mircea Ioan Popa, Mariana Carmen Chifiriuc).

„*Next generation sequencing (NGS) for the analysis of antibiotic resistance genes in hospital wastewaters: a multicenter survey in Romania*", 20th Symposium on Health-Related Water Microbiology (HRWM), 15-20 Septembrie 2019, Viena, Austria - (Marius Surleac, Simona Paraschiv, Ilda Czobor, Laura Popa,Luminita Marutescu, Marcela Popa, Irina Gheorghe, Ionela Sarbu, Adrian Streinu-Cercel, Mihai Nita Lazar, Daniela Talapan, Carmen Chifiriuc and Dan Otelea).

„*Next generation sequencing to detect transmitted drug resistance mutations in Romanian people who inject drugs (PWID)*", 23rd International Bioinformatics Workshop on Virus Evolution and Molecular Epidemiology (VEME), 26-30 August 2018, Berlin, Germania - (Marius Surleac, Simona Paraschiv, Ionelia Nicolae, Leontina Banică, Ovidiu Vlaicu, Raluca Jipa, Adrian Abagiu and Dan Oțelea).

"*Structural insights into the functional divergence of human Topoisomerase IIα and IIβ on the decatenation checkpoint*", The Annual International Conference of the Romanian Society for Biochemistry & Molecular Biology, 8-9 Iunie 2017, Timișoara, România - (**Surleac D. Marius**, Ganapathi Mahrukh, Ganapathi Ram, Petrescu J. Andrei). Distins cu *Premiul I, Secțiunea Correlation Structure–Properties in Biological Models – Drug Design*, din partea Societății Române de Biochimie și Biologie Moleculară (SRBBM).

"*De novo Peptide Design for Enhanced Heavy Metal Accumulation*", The Annual International Conference of the Romanian Society for Biochemistry & Molecular Biology, 8-9 Iunie 2017, Timișoara, România - (Martin Eliza. C., Caldararu Octav, Ruta L. Lavinia, Ghenea Simona, Surleac D. Marius, Spiridon Laurentiu, Milac Adina, Farcasanu C. Ileana, Petrescu J. Andrei).

"*Investigating and assigning functions to EDEM3 domains*", International Conference of the Romanian Society of Biochemistry and Molecular Biology - 25 Years of Promoting Molecular Life Sciences in Romania, 17-18 Septembrie 2015, București, România - (Cristian M. Butnaru, Marioara Chirițoiu, Marius Surleac, Andrei J. Petrescu, Ştefana M. Petrescu).

"*Modelling protein-DNA complexes using FRET constraints*", COST FA 1208 Workshop: Structure-guided Investigation of Effector Function, Action and Recognition, 10-12 Septembrie 2014, București, România - (Surleac MD, Spiridon LN, Ciubotaru M, Schatz DG, Petrescu AJ).

"*The new model of mRNA degradation based on the recent advances in the DcpS enzyme specificity towards m7GDP*", 1st Congress of the Polish Biochemistry, Cell Biology, Biophysics and Bioinformatics BIO 2014, 9-12 Septembrie 2014, Varșovia, Polonia - (Anna Wypijewska del Nogal, Marius D. Surleac, Joanna Kowalska, Maciej Lukaszewicz, Janusz Stepinski, Richard E. Davis, Martin Bisaillon, Jacek Jemielity, Edward Darzynkiewicz, Adina L. Milac and Elzbieta Bojarska).

"*Structure-affinity relationship (SAFIR) for the mRNA cap analogs binding to C. elegans DcpS enzyme*", XIVth Congress of the Spanish Biophysical Society (SBE 2014), 11-13 Iunie 2014, Alcalá de Henares, Spania - (Anna Wypijewska del Nogal, Marius D. Surleac, Joanna Kowalska, Maciej Lukaszewicz, Jacek Jemielity, Martin Bisaillon, Edward Darzynkiewicz, Adina L. Milac and Elzbieta Bojarska).

”*Role of EDEM3 in ERAD. one step at a time*”, The Annual International Conference of the RSBMB, 5-6 Iunie 2014, Băile Felix, România - (Cristian Marian Butnaru, Mărioara Chirițoiu, Marius Surleac, Andrei J. Petrescu, Ștefana M. Petrescu).

”*Modeling the bent PC-23RSS DNA based on FRET data and molecular dynamics simulations*” și ”*Fluorescent quantification of Gibbs free energy of cap binding to DcpS reveals DcpS-cap interactions*”, 9th EBSA European Biophysics Congress, 13-17 Iulie 2013, Lisabona, Portugalia - (**M. D. Surleac**, L. N. Spiridon, M. Ciubotaru, D. G. Schatz, A.-J. Petrescu) și respectiv (A. Wypijewska, M. D. Surleac, J. Kowalska, M. Lukaszewicz, J. Jemielity, M. Bisaillon, R. E. Davis, E. Darzynkiewicz, A. L. Milac, E. Bojarska). Pentru participarea la această conferință am obținut o bursă de student din partea Societății Europene de Biofizică (EBSA).

”*Molecular modelling and docking offer structural insights into mRNA cap binding by C. elegans DcpS scavenger decapping enzyme*” și “*Structural Analysis of Wheat Pm3 Disease Resistance Protein*”, 2012 International Conference of RSBMB, 13-14 Septembrie 2012, București, România - (Marius Surleac, Anna Wypijewska, Jacek Jemielity, Elzbieta Bojarska, Edward Darzynkiewicz, Andrei-Jose Petrescu, Adina-Luminița Milac) și respectiv (Laurențiu N. Spiridon, Marius Surleac, Andrei J. Pestrescu).

”*Modelling of the human Topoisomerase II dimer*”, 2011 International Conference of RSBMB, 28-30 Septembrie 2011, Craiova, România - (**Marius D. Surleac**, Laurențiu N. Spiridon, Adrian G. Grozav, Ram Ganapathi, Andrei-Jose Petrescu). Distins cu *Premiul pentru cel mai bun poster*, din partea Societății Române de Biochimie și Biologie Moleculară (SRBBM).

”*An update on SAGS, the Structural Assessment of Glycosylation Sites database*”, 21st International Symposium on Glycoconjugates, 21-26 August 2011, Viena, Austria - (Petrescu A-J., Spiridon L., Tăcutu R., Milac A., Surleac M.).

”*Modelling the bend of DNA 23- & 12-RSS with experimental constraints*”, ”*Modelling, MD simulation and in-silico mutation of cecropin P for optimizing the interaction with tumor cell membranes*” și ”*Modelling and MD simulation of CC domains of some R proteins*”, Annual International Conference of the RSBMB, 23-24 Septembrie 2010, București, România - (Marius D. Surleac, Laurențiu N. Spiridon, Mihai Ciubotaru, David Schatz, A-J Petrescu), (Marius A. Micluță, Cătălina A. Nenu, Marius D. Surleac, Laurențiu N. Spiridon, A-J Petrescu) și respectiv (Laurențiu N. Spiridon, Marius A. Micluță, Marius D. Surleac, A-J Petrescu).

”*The effects of gentamicin on B16F10 cell membrane generalized polarization*”, ”*Aminoglycosides action on cultured cells proliferation and reactive species production*”, Conferința Națională de Biofizică, 1-3 Octombrie 2009, Cluj Napoca, România - (M. Surleac, L. Bajenaru, L. Radacina, M. Iordache, T. Savopol, E. Kovacs), (L. Bajenaru, L. Radacina, D. Iancu, M. Surleac, M. Iordache,T. Savopol, E. Kovacs).

„*Membrane generalized polarization changes induced by electroporation in b16f10 cells*”, „*1alfa, 25-dihydroxy vitamin d3 modulation effect on aminoglycosides induced changes of cultured cells proliferation*”, „*Membrane fluidity of b16f10 cultured cells after electroporation*”, International Spring School, Biophysics & Bioelectrochemistry for Medicine, 6-10 Mai 2009, Cisnădioara, România și BES 2009 – XXth Symposium of the International Society of Bioelectrochemistry and Bioenergetics, 10-14 Mai 2009, Sibiu, România - (M. Surleac, L. Bajenaru, L. Radacina, M. Iordache, T. Savopol, M. Radu, M. G. Moisescu, E. Kovacs), (L.Bajenaru, L.Radacina, D. Iancu, M. Surleac, M. Iordache, D. Stefan,

M. G. Moisescu, T. Savopol, E. Kovacs), (C. Ghenu, M. Surleac, L. Radacina, L. Bajenaru, E. Kovacs, M. G. Moisescu).

„*Cell membrane order changes after electroporation*", „*Investigation of aminoglycosides effects on eukaryotic cells using electroporation as delivery tool*", Bioelectrochemistry Gordon Research Conference, 20-25 Iulie 2008, Biddeford, USA - (M.Moisescu, M. Surleac, L.Bajenaru, L.Radacina, T. Savopol, E.Kovacs), (L.Bajenaru, D.Iancu, M. Surleac, L.Radacina, M.Moisescu, T. Savopol, E. Kovacs).

„*Micromanipulation of lipid vesicles and cells in drug delivery using optical tweezers*", 1st International Symposium – Optical Tweezers in Life Sciences, 15 Mai 2008, Berlin, Germania - (Iurie Paraico, Marius Surleac, Laura Bajenaru, E. Spyratou, Tudor Savopol, M. Makropoulou, A.A. Serafetinides, Eugenia Kovacs).

„*Laser micromanipulation of stained liposomes during liposome-cell interaction*", International Trade Fair and Convention for Optical & Laser Technologies, 17-19 Martie 2008, Berlin, Germania - (E. Spyratou, M. Makropoulou, A.A. Serafetinides, I. Paraico, T. Savopol, M. Surleac, L. Bajenaru, E. Kovacs).

"*Optimal parameters in electroporation of human epidermal keratinocytes*", "*Apoptosis of cultured cells exposed to 2.45 GHz-EMFs*", "*Modeling the drug delivery by lipid vesicles into malignant cells*", International Autumn School "BIOPHYSICS FOR MEDICINE", 11-18 Octombrie 2007, Mangalia, România - (M. Surleac, M. Moisescu, L. Bajenaru, M. Radu, I. Paraico, T. Savopol, E. Kovacs), (L. Bajenaru, D. Iancu, M. Surleac, I. Paraico, M. Ivan, N. Iacob, M. Moisescu, T. Savopol, E. Kovacs), (Iurie Paraico, Laura Bajenaru, Marius Surleac, Tudor Savopol, Eugenia Kovacs).

„*Electroporation of malignant cells for enhanced uptake of therapeutic drugs*", „*Interaction of lipid vesicles with cultured malignant cells*", The IXth National Conference of Biophysics, 11-14 Mai 2007, Bucureşti, România - (Florin Ciobanu, Mihai Radu, Mihaela Moisescu, Marius Surleac, Laura Bajenaru, Tudor Savopol, Eugenia Kovacs), (Iurie Paraico, Tudor Savopol, Marius Surleac, Laura Bajenaru, Eugenia Kovacs).

"*Electrographic images obtained using Corona discharge*", Zilele Facultăţii de Horticultură, 28 – 30 Mai 2004, Iaşi, România - (Marius Surleac, Draguţ Ivan Claudiu Marian, Dorina E. Creangă).

"*Influence of Corona discharge on plants*", Conferinţa Naţională de Biochimie (SRBBM - FEBS), 12 Decembrie 2003, Bucureşti, România - (**Marius Surleac**, Draguţ Ivan Claudiu Marian, Dorina E. Creangă). Distins cu *Premiul III*, din partea Societăţii Române de Biochimie şi Biologie Moleculară (SRBBM).

„*Methods for sinking a floating body*", Conferinţa Naţională de Fizică, Ediţia 30, 15 Mai 2002, Iaşi, România - (Marius Surleac, Mihaela Gîrtan).