

LISTA COMPLETĂ DE LUCRĂRI

1. TEZA DE DOCTORAT

Teza de doctorat: *Actin cytoskeleton modulators reveal novel roles for autophagy in health and disease* (227 pagini)

Universitatea Cambridge, Departamentul de Genetică Medicală şi Cambridge Institute for Medical Research – Marea Britanie

Coordonator ştiinţific: Prof dr David C. Rubinsztein

Titlul de Doctor în Medicină a fost conferit în cadrul şedinţei generale a Senatului Universităţii Cambridge la data de 26 noiembrie 2016.

Atestat de recunoaştere nr. 70600/2017 - acordat de Ministerul Educaţiei Naţionale şi Centrul de Recunoaştere şi Echivalare a Diplomelor

2. CĂRŢI / CAPITOLE ÎN CĂRŢI

- c1 **Mariana Pavel**, David C. Rubinsztein. *Autophagy upregulation as a therapeutic strategy for neurodegenerative diseases*. **Springer Book**: Antitumor potential and other emerging medicinal properties of natural compounds. Editors: Evandro Fei Fang and Tzi Bun Ng. 2013, pp 227-238.

ISBN: [978-94-007-6213-8 \(Print\)](#) [978-94-007-6214-5 \(Online\)](#)

- c2 Angeleen Fleming, Mariella Vicinanza, Maurizio Renna, Claudia Puri, Thomas Ricketts, Jens Füllgrabe, Ana Lopez, Sarah M de Jager, Avraham Ashkenazi, **Mariana Pavel**, Floriana Licitra, Andrea Caricasole, Stephen P Andrews, John Skidmore, David C Rubinsztein. *Neurodegenerative disease and autophagy*. **Academic Press**: The Molecular and Cellular Basis of Neurodegenerative Diseases (2018) pp 299-343.

doi:[10.1016/B978-0-12-811304-2.00011-0](#)

3. ARTICOLE

3.1. Articole/ studii în extenso, publicate în reviste cotate ISI Thomson Reuters cu factor de impact

Autor principal (autor prim/ ultim/ corespondent):

1. Teodora Alexa-Stratulat, **Mariana Pavel-Tanasă**[#], Vlad-Andrei Cianga, Sabina Antoniu. Immune senescence in non-small cell lung cancer management: therapeutic relevance, biomarkers, and mitigating approaches. *Expert Review of Anticancer Therapy* 2022; 22(11): 1197-1210; doi: [10.1080/14737140.2022.2139242](#) ([#] autor corespondent). **IF: 3.627**
<https://www.tandfonline.com/doi/abs/10.1080/14737140.2022.2139242>

2. **Mariana Pavel-Tanasă[#]**, Daniela Constantinescu, Corina Maria Cianga, Ecaterina Anisie, Ana-Irina Mereuta, Cristina Gabriela Tuchilus, Petru Cianga. Adipokines, and not vitamin D, associate with antibody immune responses following dual BNT162b2 vaccination within individuals younger than 60 years. *Frontiers in Immunology* 2022; 13: 1000006; doi: [10.3389/fimmu.2022.1000006](https://doi.org/10.3389/fimmu.2022.1000006) ([#] autor corespondent). **IF: 8.787**
<https://www.frontiersin.org/articles/10.3389/fimmu.2022.1000006/full>
3. Cristiana-Elena Vlad*, Liliana Foia, **Mariana Pavel-Tanasă***, Vasilica Toma, Laura Florea, Luminita Voroneanu, Mugurel Apetrii, Gianina Dodi, Adrian Covic. Evaluation of cardiovascular events and progression to end-stage renal disease in patients with dyslipidemia and chronic kidney disease from the North-Eastern area of Romania. *International Urology and Nephrology* 2022; 54(3): 647-659; doi: [10.1007/s11255-021-02919-2](https://doi.org/10.1007/s11255-021-02919-2). (*contribuție egală). **IF: 2.266**
<https://link.springer.com/article/10.1007/s11255-021-02919-2>
4. **Mariana Pavel**, Radu Tanasa, So Jung Park, David C. Rubinsztein. The complexity of biological control systems: An autophagy case study. *Bioessays* 2022; 44(3): e2100224; doi: [10.1002/bies.202100224](https://doi.org/10.1002/bies.202100224). **IF: 4.653**
<https://onlinelibrary.wiley.com/doi/full/10.1002/bies.202100224>
5. **Mariana Pavel**, So Jung Park, Radu Tanasa, David C. Rubinsztein. Cell type-specific YAP1-WWTR1/TAZ transcriptional responses after autophagy perturbations are determined by levels of α -catenins (CTNNA1 and CTNNA3). *Autophagy* 2021; 17(7): 1788-1790; doi: [10.1080/15548627.2021.1934273](https://doi.org/10.1080/15548627.2021.1934273). **IF: 13.391**
<https://www.tandfonline.com/doi/full/10.1080/15548627.2021.1934273>
6. **Mariana Pavel**, So Jung Park, Rebecca A. Frake, Sung Min Son, Marco M. Manni, Carla F. Bento, Maurizio Renna, Thomas Ricketts, Fiona M. Menzies, Radu Tanasa, David C. Rubinsztein. α -Catenin levels determine direction of YAP/TAZ response to autophagy perturbation. *Nature Communications* 2021; 12: 1703; doi: [10.1038/s41467-021-21882-1](https://doi.org/10.1038/s41467-021-21882-1). **IF: 17.694**
<https://www.nature.com/articles/s41467-021-21882-1>
7. Ion Antohe*, **Mariana Pavel Tanasă***, Angela Dăscălescu, Cătălin Dănăilă, Amalia Titieanu, Mihaela Zlei, Iuliu Ivanov, Adriana Sireteanu, Petru Cianga. The MHC-II antigen presentation machinery and B7 checkpoint ligands display distinctive patterns correlated with acute myeloid leukaemias blast cells HLA-DR expression. *Immunobiology* 2021; 226(1): 152049; doi: [10.1016/j.imbio.2020.152049](https://doi.org/10.1016/j.imbio.2020.152049). (*contribuție egală). **IF: 3.152**
<https://www.sciencedirect.com/science/article/abs/pii/S0171298520305714>
8. Alvin Djajadikerta*, Swati Keshri*, **Mariana Pavel***, Ryan Prestil*, Laura Ryan*, David C. Rubinsztein. Autophagy induction as a therapeutic strategy for neurodegenerative diseases. *Journal of Molecular Biology* 2020; 432(8):2799-2821; doi: [10.1016/j.jmb.2019.12.035](https://doi.org/10.1016/j.jmb.2019.12.035). (*contribuție egală). **IF: 5.469**
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9. **Mariana Pavel**, Maurizio Renna, So Jung Park, Fiona M. Menzies, Thomas Ricketts, Jens Füllgrabe, Avraham Ashkenazi, Rebecca A. Frake, Alejandro Carnicer Lombarte, Carla F. Bento, Kristian Franze, David C. Rubinsztein. Contact inhibition controls cell survival and proliferation via YAP/TAZ-autophagy axis. *Nature Communications* 2018; 9: 2961; doi: [10.1038/s41467-018-05388-x](https://doi.org/10.1038/s41467-018-05388-x). **IF: 11.878**
<https://www.nature.com/articles/s41467-018-05388-x>
- 10 Fiona Menzies*, Angeleen Fleming*, Andrea Caricasole*, Carla Bento*, Steven Andrews*, Avraham Ashkenazi*, Jens Fullgrabe*, Anne Jackson*, Maria Jimenez-Sanchez*, Cansu Karabiyik*, Floriana Licitra*, Ana LopezRamirez*, **Mariana Pavel***, Claudia Puri*, Maurizio Renna*, Thoma Ricketts*, Lars Schlotawa*, Mariella Vicinanza*, Hyeran Won*, Ye Zhu*, John Skidmore*, David C. Rubinztein. Autophagy and neurodegeneration: pathogenic mechanisms and therapeutic opportunities. *Neuron* 2017; 93(5):1015-1034; doi: [10.1016/j.neuron.2017.01.022](https://doi.org/10.1016/j.neuron.2017.01.022). (*contribuție egală). **IF: 14.319**
[https://www.cell.com/neuron/fulltext/S0896-6273\(17\)30046-6#%20](https://www.cell.com/neuron/fulltext/S0896-6273(17)30046-6#%20)
- 11 **Mariana Pavel** and David C. Rubinsztein, Mammalian autophagy and the plasma membrane (State-of-the-Art review). *FEBS Journal* 2017; 284(5): 672-679; doi: [10.1111/febs.13931](https://doi.org/10.1111/febs.13931). **IF: 4.530**
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- 12 **Mariana Pavel**, Sara Imarisio, Fiona M. Menzies, Maria Jimenez-Sanchez, Farah H. Siddiqi, Xiaoting Wu, Maurizio Renna, Cahir J O’Kane, Damian C. Crowther, David C. Rubinsztein. CCT complex restricts neuropathogenic protein aggregation via autophagy. *Nature Communications* 2016; 7:13821; doi: [10.1038/ncomms13821](https://doi.org/10.1038/ncomms13821). **IF: 12.124**
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- 13 **Mariana Pavel**, Radu Tanasa, Alexandru Stancu. Magnetic trap effects on nanowire’s dynamics within micro-capillary vessels. *Microfluidics and Nanofluidics* 2011; 10:579; doi: [10.1007/s10404-010-0691-3](https://doi.org/10.1007/s10404-010-0691-3). **IF: 3.371**.
<https://link.springer.com/article/10.1007/s10404-010-0691-3>
- 14 **Mariana Pavel**, Alexandru Stancu. Ferromagnetic nanoparticles dose based on tumor size in magnetic fluid hyperthermia cancer therapy. *IEEE Transactions on Magnetics* 2009; 45(11): 5251-5254; doi: [10.1109/TMAG.2009.2031076](https://doi.org/10.1109/TMAG.2009.2031076). **IF: 1.061**
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- 15 **Mariana Pavel**, Alexandru Stancu. Study of the optimum injection sites for a multiple metastases region in cancer therapy by using MFH. *IEEE Transactions on Magnetics* 2009; 45(10): 4825-4828doi: [10.1109/TMAG.2009.2024543](https://doi.org/10.1109/TMAG.2009.2024543). **IF: 1.061**
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- 16 **Mariana Pavel**, George Gradinariu, Alexandru Stancu, Study of the optimum dose of ferromagnetic nanoparticles suitable for cancer therapy using magnetic fluid hyperthermia. *IEEE Transactions on Magnetics* 2008; 44(11): 3205-3208; doi: [10.1109/TMAG.2008.2001661](https://doi.org/10.1109/TMAG.2008.2001661). **IF: 1.129** <https://ieeexplore.ieee.org/document/4717590>

Co-autor:

1. Vlad Andrei Cianga, Cristina Rusu, **Mariana Pavel-Tanasa**, Angela Smaranda Dascalescu, Catalin Doru Danaila, Sebastian Harnau, Carmen Aanei and Petru Cianga. Combined flow cytometry NK immunophenotyping and KIR/HLA-C genotyping reveal remarkable differences in AML patients, but suggest an overall impairment of the NK response. *Frontiers in Medicine* 2023; 10: 1148748; doi: [10.3389/fmed.2023.1148748](https://www.frontiersin.org/articles/10.3389/fmed.2023.1148748); IF: 5.058 <https://www.frontiersin.org/articles/10.3389/fmed.2023.1148748>
2. Trofin Felicia, Olivia Simona Dorneanu, Daniela Constantinescu, Eduard Vasile Nastase, Cătălina Luncă, Luminița Smaranda Iancu, Ioana-Maria Andrioaie, Alexandru Duhaniuc, Corina Maria Cianga, **Mariana Pavel-Tanasa**, Dana-Teodora Anton-Păduraru, and Petru Cianga. Cytokines and Chemokines in Breastmilk of SARS-CoV-2 Infected or COVID-19 Vaccinated Mothers. *Vaccines* 2022; 10(12):2001; doi: [10.3390/vaccines10122001](https://www.mdpi.com/2076-393X/10/12/2001). IF: 4.961 <https://www.mdpi.com/2076-393X/10/12/2001>
3. Maria Obreja, Egidia Gabriela Miftode, Iulian Stoleriu, Daniela Constantinescu, Andrei Vâță, Daniela Leca, Corina Maria Cianga, Olivia Simona Dorneanu, **Mariana Pavel-Tanasa**, Petru Cianga. Heparin-Binding Protein (HBP), Neutrophil Gelatinase-Associated Lipocalin (NGAL) and S100 Calcium-Binding Protein B (S100B) Can Confirm Bacterial Meningitis and Inform Adequate Antibiotic Treatment. *Antibiotics (Basel)* 2022; 11(6): 824; doi: [10.3390/antibiotics11060824](https://www.mdpi.com/2079-6382/11/6/824). IF: 5.222 <https://www.mdpi.com/2079-6382/11/6/824>
4. Diana C. Moisuc, Mihai Vasile Marinca, Bogdan Gafton, Teodora Alexa-Stratulat, **Mariana Pavel-Tanasa**, Petru Cianga. Antiangiogenic Drug-Induced Proteinuria as a Prognostic Factor in Metastatic Colorectal Cancer. *Current Oncology* 2022; 29(6): 3996-4011; doi: [10.3390/curroncol29060319](https://www.mdpi.com/1718-7729/29/6/319). IF: 3.109 <https://www.mdpi.com/1718-7729/29/6/319>
5. So Jung Park, Rebecca A Frake, Cansu Karabiyik, Sung Min Son, Farah H. Siddiqi, Carla F. Bento, Peter Sterk, Mariella Vicinanza, **Mariana Pavel**, David C. Rubinsztein. Vinexin contributes to autophagic decline in brain ageing across species. *Cell Death and Differentiation* 2022; 29(5): 1055-1070; doi: [10.1038/s41418-021-00903-y](https://www.nature.com/articles/s41418-021-00903-y). IF: 12.073 <https://www.nature.com/articles/s41418-021-00903-y>
6. Radu S. Miftode, Daniela Constantinescu, Corina Maria Cianga, Antoniu Octavian Petris, Amalia S. Timpau, Adrian Crisan, Irina-Iuliana Costache, Ovidiu Mitu, Dana-Teodora Anton-Păduraru, Ionela-Larisa Miftode, **Mariana Pavel-Tanasa**, Petru Cianga, Ionela-Lacramioara Serban. A Novel Paradigm Based on ST2 and Its Contribution towards a Multimarker Approach in the Diagnosis and Prognosis of Heart Failure: A Prospective Study during the Pandemic Storm. *Life (Basel)* 2021; 11(10): 1080; doi: [10.3390/life11101080](https://www.mdpi.com/2075-1729/11/10/1080). IF: 3.253 <https://www.mdpi.com/2075-1729/11/10/1080>

7. Vlad Andrei Cianga, Lydia Campos Catafal, Petru Cianga, **Mariana Pavel Tanasa**, Mohamad Cherry, Phillipe Collet, Emmanuelle Tavernier, Denis Guyotat, Cristina Rusu, Carmen Mariana Aanei. Natural Killer Cell Subpopulations and Inhibitory Receptor Dynamics in Myelodysplastic Syndromes and Acute Myeloid Leukemia. *Frontiers in Immunology* 2021; 12: 665541; doi: [10.3389/fimmu.2021.665541](https://doi.org/10.3389/fimmu.2021.665541). IF: 8.787
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8. Stefana Catalina Bilha, Anca Matei, Daniela Constantinescu, **Mariana Pavel Tanasa**, Raluca Mogos-Cioncu, Petru Cianga, Cristina Preda, Dumitru D. Branisteanu. New insights into the metabolic-bone crosstalk in active acromegaly, *Endokrynologia Polska* 2021; 12: 665541; doi: [10.5603/EP.a2021.0028](https://doi.org/10.5603/EP.a2021.0028). IF: 1.569
https://journals.viamedica.pl/endokrynologia_polska/article/view/72825
9. Anca Matei, Stefana Catalina Bilha, Daniela Constantinescu, **Mariana Pavel-Tanasa**, Petru Cianga, Adrian Covic, Dumitru D. Branisteanu. Body composition, adipokines, FGF23-Klotho and bone in kidney transplantation: Is there a link? *Journal of Nephrology* 2022; 35: 293–304; doi: [10.1007/s40620-021-00972-9](https://doi.org/10.1007/s40620-021-00972-9). IF: 4.406
<https://link.springer.com/article/10.1007/s40620-021-00972-9>
- 10 Ioana-Andreea Sioustis, Maria-Alexandra Martu, Liana Aminov, **Mariana Pavel**; Petru Cianga, Diana C. Kappenberg-Nitescu, Ionut Luchian, Sorina M. Solomon, Silvia Martu. Salivary Metalloproteinase-8 and Metalloproteinase-9 Evaluation in Patients Undergoing Fixed Orthodontic Treatment before and after Periodontal Therapy. *International Journal of Environmental Research and Public Health* 2021; 18(4):1583; doi: [10.3390/ijerph18041583](https://doi.org/10.3390/ijerph18041583). IF: 4.614
<https://www.mdpi.com/1660-4601/18/4/1583>
- 11 Ion Antohe, Angela Dăscălescu, Cătălin Dănăilă, Amalia Titieanu, Mihaela Zlei, Iuliu Ivanov, Adriana Sireteanu, **Mariana Pavel**, Petru Cianga. B7-Positive and B7-Negative Acute Myeloid Leukemias Display Distinct T Cell Maturation Profiles, Immune Checkpoint Receptor Expression, and European Leukemia Net Risk Profiles. *Frontiers in Oncology* 2020; 10: 264; doi: [10.3389/fonc.2020.00264](https://doi.org/10.3389/fonc.2020.00264). IF: 6.244
<https://www.frontiersin.org/articles/10.3389/fonc.2020.00264/full>
- 12 Avraham Ashkenazi, Carla F. Bento, Thomas Ricketts, Mariella Vicinanza, Farah Siddiqi, **Mariana Pavel**, Ferdinando Squitieri, Maarten C. Hardenberg, Sara Imarisio, Fiona M. Menzies, David C. Rubinsztein. Polyglutamine tracts regulate autophagy. *Autophagy* 2017; 13(9):1613-1614; doi: [10.1080/15548627.2017.1336278](https://doi.org/10.1080/15548627.2017.1336278). IF: 11.100
<https://www.tandfonline.com/doi/full/10.1080/15548627.2017.1336278>
- 13 Avraham Ashkenazi, Carla F. Bento, Thomas Ricketts, Mariella Vicinanza, Farah Siddiqi, **Mariana Pavel**, Ferdinando Squitieri, Maarten C. Hardenberg, Sara Imarisio, Fiona M. Menzies, David C. Rubinsztein. Polyglutamine tracts regulate beclin 1-dependent autophagy. *NATURE* 2017; 545:108-111; doi: [10.1038/nature22078](https://doi.org/10.1038/nature22078). IF: 41.577
<https://www.nature.com/articles/nature22078>

- 14 Xiaoting Wu, Angeleen Fleming, Thomas Ricketts, **Mariana Pavel**, Herbert Virgin, Fiona M. Menzies, David C. Rubinsztein. Autophagy regulates Notch degradation and modulates stem cell development and neurogenesis. *Nature Communications* 2016; 7:10533; doi:[10.1038/ncomms10533](https://doi.org/10.1038/ncomms10533). IF: 12.124
<https://www.nature.com/articles/ncomms10533>

3.2.Articole/ studii în extenso, publicate în reviste indexate în baze de date internaţionale

1. Cansu Karabiyik, Rebecca A. Frake, So Jung Park, Mariana Pavel, David C. Rubinsztein. Autophagy in ageing and ageing-related neurodegenerative diseases. *Ageing and Neurodegenerative Diseases* 2021; 1: 2; doi:[10.20517/and.2021.05](https://doi.org/10.20517/and.2021.05).
<https://ageneudisjournal.com/article/view/4199>

4. ALTE LUCRĂRI ŞI CONTRIBUȚII ȘTIINȚIFICE

Publicații non-ISI:

1. **Mariana Pavel**, Rey Guillaume, Felix Naef, “*Circadian enhancers in mice liver*”, EPFL Summer Research Program 2008 Review.
2. George Gradinariu, **Mariana Pavel**, “*Study of the ferromagnetic nanoparticles’ effects on the heat dissipation in cancer therapy by using MFH*”, The “Student Researchers have the word” Journal Prize, 2008.
3. **Mariana Pavel**, Andrei-Valentin Plamada, George Gradinariu, “*Study of the chaotic movement of a double pendulum when placed within variable magnetic field*”, “ADAMACHI” Review (National Review), 2006.

Rezumate la conferințe/ manifestări științifice internaționale și naționale:

1. **Mariana Pavel Tanasa**, Daniela Constantinescu, Camelia Mihaila, Corina Cianga, Petru Cianga. *HLA allele frequencies characterized at high-resolution by NGS typing compared to low-resolution typing – a single center experience*.
7th European Congress of Immunology ECI – virtual (2022)
HLA 2022; 99(5): 515-516
2. **Mariana Pavel-Tanasă**, Daniela Constantinescu, Ecaterina Anisie, Camelia Mihaila, Corina Cianga, Camelia Cojocariu, Gabriela Stefanescu, Anca Trifan, Petru Cianga. *Corelația markerilor serologici și ai viremiei în rândul pacienților infectați cu virusurile hepatitice B/D și C*
A XIII-a Conferință Națională de MEDICINĂ DE LABORATOR (AMLR) 2022
Revista Romana de Medicină de Laborator 2022; 30(1): S52-S53
3. Daniela Constantinescu, **Mariana Pavel-Tanasă**, Camelia Mihaila, Corina Cianga, Petru Cianga. *Characterization of HLA alleles frequency by high resolution NGS technology*.

- A XIII-a Conferință Națională de MEDICINĂ DE LABORATOR (AMLR) 2022
4. **Mariana Pavel Tanasa**, Ileana Constantinescu, Luminita Loga, Andrei Cianga, Daniela Constantinescu, Corina Cianga, Radu Maftai, Petru Cianga. *Frequency of KIR – HLA-C haplotypes in the Romanian population.*
ROMTRANSPLANT – Iași, România (2022)
 5. **Mariana Pavel Tanasa**, Daniela Constantinescu, Corina Cianga, Camelia Mihaila, Petru Cianga. *High-resolution HLA genotyping by NGS technique – comparative study with low-resolution genotyping.*
ROMTRANSPLANT – Iași, România (2022)
 6. **Mariana Pavel Tanasă**, Radu Maftai, Vlad Andrei Cianga, Daniela Constantinescu, Petru Cianga. *The KIR2DL2/2DL3 and KIR2DL5 expression in women included in the in vitro fertilisation programme.*
Al XV-lea Congres Național de CITOMETRIE – virtual (2022)
 7. **Mariana Pavel-Tanasă**, Daniela Constantinescu, Corina Cianga, Petru Cianga, Radu Tanasa. *Modelling the control system of autophagy in signaling pathways.*
IEEE ROMSC – Iași, România (2022)
 8. **Mariana Pavel-Tanasă**, So Jung Park, Radu Tanasa, David Rubinsztein. *α -catenins dictate the cell-type specific YAP1-WWTR1/TAZ transcriptional responses after autophagy perturbation.*
EMBO Conference: Autophagy in brain health and disease – Sant Feliu de Guixols, Spain (2022)
 9. **Mariana Pavel-Tanasă**, So Jung Park, David C. Rubinsztein. *Mathematical models explain the complexity of biological control systems governed by autophagy.*
EMBO Conference: Autophagy in brain health and disease – Sant Feliu de Guixols, Spain (2022)
 10. **Mariana Pavel Tanasa**, P. Cianga, Daniela Constantinescu, Corina Cianga, R. Tanasa, D. Rubinsztein. *Modele matematice pentru sisteme biologice complexe: cum perturbarea autofagiei controlează activitatea tumorigenă a YAP1-WWTR1/TAZ.*
CONFER – Iași, România (2021)
 11. V.A. Cianga, Lydia Campos Catafal, P. Cianga, **Mariana Pavel Tanasă**, M. Cherry, P. Collet, Emmanuelle Tavernier, D. Guyotat, Cristina Rusu, Carmen Mariana Aanei. *Patternuri distincte de maturare a celulelor NK și a expresiei receptorilor KIR discriminează între SMD și LMA.*
CONFER – Iași, România (2021)
 12. Vlad Andrei Cianga, Lydia Campos Catafal, Petru Cianga, **Mariana Pavel Tanasa**, Mohamad Cherry, Phillippe Collet, Emmanuelle Tavernier, Denis Guyotat, Cristina Rusu, Carmen Mariana Aanei. *Myelodysplastic syndromes and acute myeloid leukemia display distinctive patterns of bone marrow NK cell maturation and KIR expression.*
6th European Congress of Immunology ECI – virtual (2021)
European Journal of Immunology 2021; 51(1): 181-181 (P-0238)
 13. **Mariana Pavel Tanasa**, Ion Antohe, Angela Dascalescu, Catalin Danaila, Mihaela Zlei, Iuliu Ivanov, Daniela Constantinescu, Corina Cianga, Petru Cianga. *MHC-II-dependent antigen presentation in acute myeloblastic leukemia cases with low HLA-DR expression.*

- 6th European Congress of Immunology ECI – virtual (2021)
European Journal of Immunology 2021; 51(1): 232-232 (P-0378)
- 14 **Mariana Pavel Tanasa**, Daniela Constantinescu, Ecaterina Anisie, Corina Cianga, Petru Cianga. *Myelodysplastic syndromes and acute myeloid leukemia display distinctive patterns of bone marrow NKcell maturation and KIR expression.*
6th European Congress of Immunology ECI – virtual (2021)
European Journal of Immunology 2021; 51(1): 361-361 (P-0938)
- 15 Stefana Bilha, Anca Matei, Daniela Constantinescu, **Mariana Pavel-Tanasa**, Raluca Mogos-Cioncu, Petru Cianga, Cristina Preda & Dumitru D. Branisteanu. *The bone impact of body composition, adipokines and FGF23-Klotho axis in active acromegaly.*
23rd European Congress of Endocrinology – virtual (2021)
Endocrine Abstracts 2021; 73: 159-160 (AEP 98; doi 10.1530/endoabs.73.AEP98)
- 16 **Mariana Pavel-Tanasă**, Petru Cianga, Daniela Constantinescu, Corina Cianga, Radu Tanasă, David C. Rubinsztein. *Mathematical models for complex biological systems.*
IEEE ROMSC Iasi, România (2021)
- 17 **Mariana Pavel-Tanasa**, Camelia Mihăila, Corina Cianga, Daniela Constantinescu, P. Cianga. *HLA genotyping and seroprevalence of infectious diseases among potential stem cell donors from the north-eastern region of Romania.*
IEEE Scientific Meeting – Iasi, România (2020)
- 18 **Mariana Pavel-Tanasa**, Radu Tanasa, Andrei Cianga, Corina Cianga, Daniela Constantinescu, Alexandru Stancu, Petru Cianga. *Statistical methods required for genotyping and flow-cytometry data analysis.*
IEEE Scientific Meeting – Iasi, România (2020)
- 19 **Mariana Pavel-Tanasă**, Ecaterina Anisie, Ioana Săndulescu, Silvia Dăscălescu, Silvia Ionescu, V.A. Timişescu, Corina Cianga, Daniela Constantinescu, P. Cianga. *Seroprevalența infecțiilor în rândul potențialilor donatori de celule stem recrutați în cadrul registrului național al donatorilor voluntari de celule stem hematopoietice din regiunea de Nord-Est a României*
CONFER – Iași, România (2020)
- 20 I. Antohe, Angela Dăscălescu, C. Dănăilă, Amalia Tițeanu, Mihaela Zlei, I. Ivanov, Adriana Sireteanu, **Mariana Pavel**, P. Cianga. *Relevanța prognostică a profilurilor imune B7 în leucemia acută mieloblastică.*
CONFER – Iași, România (2020)
- 21 **Mariana Pavel Tanasa**, Ion Antohe, Angela Dăscălescu, Cătălin Dănăilă, Amalia Titieanu, Mihaela Zlei, Iuliu Ivanov, Adriana Sireteanu, Petru Cianga. *Distinct expression of molecules involved in MHC-II-dependent antigen presentation and B7 ligands in patients with acute myeloblastic leukemia and low HLA-DR expression.*
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- 25 **Mariana Pavel-Tanasa**, Corina Cianga, Daniela Constantinescu, Vlad-Andrei Cianga, Camelia Mihaila, Petru Cianga. *Killer Cell Ig-like Rceptors (KIR) and HLA class I genotypes in the north-eastern population of Romania*. Joint 34th European Immunogenetics and Histocompatibility and 31st British Society for Histocompatibility and Immunogenetics Conference Glasgow, Scotland, United Kingdom (2020)
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- 30 **Mariana Pavel**, R. Tanasa, Daniela Constantinescu, Corina Cianga, P. Cianga, A.Stancu. *Capillary hysteresis effects in magnetic hyperthermia cancer therapy*. MMM – Las Vegas, USA (2019)
- 31 **Mariana Pavel**, Radu Tanasa, Petru Cianga, Corina Cianga, Daniela Constantinescu, Alexandru Stancu. *Proprietatile de porozitate si rigiditate – influenta lor asupra distributiei fluidelor magnetice*. IEEE Scientific Meeting – Iasi, Romania (2019)
- 32 **Mariana Pavel**, David C. Rubinsztein, Corina Cianga, Daniela Constantinescu, Petru Cianga. *Porozitatea mediului extracelular – efectul asupra creșterii celulare*.

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- 37 Laura Grecu, **Mariana Pavel**, Razvan Grecu, Luminita Smaranda Iancu. *Profilul pacienților cu hepatita D în nord-estul României.*
A XII-a Conferința Națională de Microbiologie – București, Romania (2019)
- 38 **Mariana Pavel-Tanasa**, Maurizio Renna, So Jung Park, Fiona Menzies, Thomas Ricketts, Jens Fullgrabe, Avraham Ashkenazi, Rebecca Frake, Carla Bento, Kristian Franze, David Rubinsztein. *Contact inhibition reduces cell survival and proliferation by repressing YAP/TAZ-dependent autophagy.*
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- 39 **Mariana Pavel-Tanasa**, Petru Cianga, Corina Cianga, Daniela Constantinescu, Carla F. Bento, Maurizio Renna, Radu Tanasa, Alexandru Stancu, David C. Rubinsztein. *Mechanical cues control YAP/TAZ-dependent autophagy.*
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- 40 **Mariana Pavel**, Radu Tanasa, Daniela Constantinescu, Corina Cianga, Petru Cianga, Alexandru Stancu. *Typical interacting hysteresis in multiphase flow ferrofluids in biological tissues.*
ROMSC – Iasi, Romania (2019)
- 41 Lector invitat: **Mariana Pavel**, Radu Tanasa, Petru Cianga, Corina Cianga, Daniela Constantinescu, Alexandru Stancu. *Mechanical and stiffness properties of tissues: experimental and theoretical models.*
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- 42 **Mariana Pavel**, Radu Tanasa, Daniela Constantinescu, Corina Cianga, Petru Cianga, Alexandru Stancu. *Typical hysteresis and interactions in a multiphase flow of a ferrofluid in a biological tissue.* The 12th International Symposium on Hysteresis Modeling and Micromagnetics HMM Crete (2019)
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- 45 A. Ceasovschih, V. Sorodoc, I. Jaba, V. Aursulesei, D. Tesloianu, A. Petris, A. Stoica, O. Sirbu, P. Cianga, C. Tuchilus, E. Anisie, A. Coman, **M. Pavel-Tanasa**, V. Partene, L. Simionov, A. Moloce, S. Bulughiana, D. Corduneanu, M. Obreja, L. Sorodoc. *Improving peripheral artery disease diagnosis: results of a modern multimarker approach*. 86th EAS Congress – Lisbon, Portugal (2018)
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- 46 **Mariana Pavel-Tanasă**. Corina Cianga, Daniela Constantinescu, Carla F. Bento, Maurizio Renna, Petu Cianga. *Inhibarea proliferării prin contact intercelular reduce autofagia*. A 47-a Conferință Anuală de Imunologie, SIR (2017)
- 47 A. Ashkenazi, CF Bento, T Ricketts, M Vicinanza, F Siddiqi, M Pavel, F Squitieri, MC Hardenberg, S Imarisio, FM Menzies, DC Rubinsztein. *Control of beclin 1-induced autophagy by polyglutamine repeat* – FEBS Journal Conference (2017)
- 48 Lector invitat: **Mariana Pavel**, Petru Cianga. *Macroautophagy: how does it work? From pathogen clearance to antigen presentation*. Congressis – Iaşi, România (2017)
- 49 Lector invitat: **Mariana Pavel**. *CCT complex restricts neuropathogenic protein aggregation via autophagy*. CIMR Seminars – Cambridge, Marea Britanie (2016)
- 50 **Mariana Pavel**, [...], David C. Rubinsztein. *CCT complex restricts neuropathogenic protein aggregation via autophagy*. Senescence UK Conference şi Symposium for Biological and Life Science Students – Cambridge, Marea Britanie (2016)
- 51 **Mariana Pavel**, David C. Rubinsztein. *Autophagy and neurodegeneration*. TreatPolyQ Annual meeting 3 – Copenhagen, Danemarca (2014)
- 52 **Mariana Pavel**, David C. Rubinsztein. *Autophagy and neurodegeneration*. IEEE ROMSC 2013 Conference – Iaşi, România (2013)
- 53 **Mariana Pavel**, David C. Rubinsztein. *Identifying novel autophagy-upregulating drugs for the treatment of HD based on specific modulators of novel genes regulating autophagy*. TreatPolyQ Annual meeting 2/Midd-term meeting – Paris, Franța (2013)
- 54 **Mariana Pavel**, David C. Rubinsztein. *Autophagy and Huntington's disease*. TreatPolyQ Annual meeting 1 – Stockholm, Suedia (2012)
- 55 **Mariana Pavel**, David C. Rubinsztein. *Autophagy and neurodegeneration*. TreatPolyQ Annual meeting 1 – Stockholm, Suedia (2012)
- 56 **Mariana Pavel**, Muxin Gu, Daniel Hebenstreit, Sarah Teichmann. *Genome-wide analysis of transcriptomic and epigenetic changes during differentiation*. Amgen Scholars Symposium – Cambridge, Marea Britanie (2010)
- 57 Anda Rebenciuc, Cristian Pristavu, **Mariana Pavel**, Cobzeanu Bogdan. *Coordonatori: Dan Mihai Cobzeanu, Dragos Negru. Castleman Disease - Hyalinovascular Type With Cervical Lymph Node Involvement*.

- The International Congress for Medical Students and Young Doctors – Timișoara, România (2010)
- 58 **Mariana Pavel**, Anda Rebenciuc. *Coordonatori: Dr. Paula Popovici, Prof. Dr. Evelina Moraru. Eye damage within juvenile chronic arthritis.*
The International Congress for Medical Students and Young Doctors – Timișoara, România (2010)
- 59 **Mariana Pavel**, Radu Tanasa, Alexandru Stancu. *Magnetic trap effects on a nanowire's dynamics within capillary blood flow.*
11th Joint MMM-Intermag Conference, Washington, USA (2010)
- 60 **Mariana Pavel**, Anda Rebenciuc. *Coordonator: Dr. Radu Popa. A Case Report of a Massive Axillary Artery Pseudoaneurysm.*
The International Conference for medical students and young doctors ASKLEPIOS – Sibiu, România (2009)
- 61 Anda Rebenciuc, **Mariana Pavel**, Cristian Pristavu. *Coordonatori: Ostin C. Mungiu, Irina M. Jaba. The implementation in Romania of the new legislation concerning the medical use of opioids.*
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- 62 **Mariana Pavel**, Radu Tanasa, Alexandru Stancu. *Finite-element methods for drug delivery and hyperthermia therapy.*
Physics of Functional Micro- and Nanostructures Summer School – Hamburg, Germany (2009)
- 63 **Mariana Pavel**, Alexandru Stancu. *Optimum distribution of magnetic nanoparticles in a multiple metastasis region in cancer therapy by using MFH.*
International Conference IEEE ROMSC 2009 – Iași, România
- 64 **Mariana Pavel**, Radu Tanasa, Alexandru Stancu. *Effect of a magnetic trap on a nanowire's trajectory within capillary blood flow.*
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- 65 **Mariana Pavel**, Alexandru Stancu. *Study of the optimum injection sites for a multiple metastasis region in cancer therapy by using MFH.*
International Conference NanoRomania 2009 – Iasi, Romania
- 66 **Mariana Pavel**, Radu Tanasa, Alexandru Stancu. *Nanowire's trajectory in the magnetic field within blood vessels.*
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- 67 **Mariana Pavel**, Alexandru Stancu. *Ferromagnetic nanoparticles dose based on tumor size in MFH cancer therapy.*
International Conference HMM 2009 – Gaithersburg, Maryland
- 68 **Mariana Pavel**, Alexandru Stancu. *Study of the optimum injection sites for a multiple metastasis region in cancer therapy by using MFH.*
IEEE International Magnetics Conference – Sacramento, California (2009)
- 69 **Mariana Pavel**, Alexandru Stancu. *Effect of the magnetic field on a nanowire's trajectory within blood vessels.*
National Conference FTEM 2009 – Iași, România

- 70 **Mariana Pavel**, Alexandru Stancu. *Study of the dependence of optimum dosage of magnetic nanoparticles on tumor volume in cancer therapy by using MFH.*
National Conference FTEM 2009 – Iași, România
- 71 **Mariana Pavel**, Alexandru Stancu. *A Study Of The Dependence Of Tumor Volume On The Optimum Dosage Of Ferromagnetic Nanoparticles In Cancer Therapy Using MFH.*
53rd Magnetism and Magnetic Materials Conference – Austin, Texas (2008)
- 72 Grădinariu George, **Mariana Pavel**. *Coordonator: Alexandru Stancu. Ferromagnetic Particle Magnetocaloric Effects in Magnetic Fluid Hyperthermia Cancer Therapy.*
The 2nd International Medical Congress for Students and Young Doctors “MedEspera 2008” – Chișinău, Republica Moldova
- 73 **Mariana Pavel**, Guillaume Rey, Felix Naef. *Circadian Enhancers in Mouse Liver.*
International FARPhys Conference – Iași, România (2008)
- 74 **Mariana Pavel**, Alexandru Stancu. *Study of the Dependence of Tumor Dimension on the Optimum Dosage of Ferromagnetic Nanoparticles in Cancer Therapy using MFH.*
JEMS 2008 Conference – Dublin, Ireland
- 75 **Mariana Pavel**, Guillaume Rey, Felix Naef. *Circadian Enhancers in Mice.*
EPFL Summer Research Program 2008 Poster Session – Lausanne, Elveția
- 76 **Mariana Pavel**, George Grădinariu, Alexandru Stancu. *Ferromagnetic Particle Concentration Effects on Heat Dissipation in Magnetic Fluid Hyperthermia Cancer Therapy.*
ROMSC 2008 Conference – București, România
- 77 **Mariana Pavel**, George Grădinariu, Alexandru Stancu. *Study of the Optimum Concentration of Ferromagnetic Nanoparticles suitable for Various Tumor Tissues’ Therapy using MFH.*
ICPAM – The 8th International Conference on Physics of Advanced Materials – Iași, România
- 78 **Mariana Pavel**, George Grădinariu, Alexandru Stancu. *A Study of the Optimum Dose of Ferromagnetic Nanoparticles suitable for Cancer Therapy using Magnetic Fluid Hyperthermia.*
IEEE International Magnetism Conference Intermag – Madrid, Spania (2008)
- 79 **Mariana Pavel**, George Grădinariu, Alexandru Stancu. *A Study of Different Models of Particle Interactions and Heat Dissipation used in Magnetic Fluid Hyperthermia Cancer Therapy.*
52nd Magnetism and Magnetic Materials Conference – Tampa, Florida (2008)
- 80 **Mariana Pavel**, Grădinariu George, Alexandru Stancu *Study of the Optimum Concentration of Ferromagnetic Nanoparticles suitable for Cancer Therapy using MFH.*
FTEM conference – Iași, România (2008)
- 81 **Mariana Pavel**, George Grădinariu. *Modelling the Behaviour of Magnetic Nanoparticles in Magnetic Fluid Hyperthermia.* National Congress for Students and Young Doctors “Marisiensis 2007” – Târgu Mureș, România
- 82 George Grădinariu, **Mariana Pavel**. *Coordonator: Alexandru Stancu. A Study of the Behaviour of Nanoparticles Used in Magnetic Fluid Hyperthermia Cancer Therapy.*
4th International Congress for Students and Young Doctors “Congressis 2007” – Iași, România
- 83 George Grădinariu, **Mariana Pavel**, Alexandru Stancu. *A Study of the Interactions between Ferromagnetic Nanoparticles used in Magnetic Fluid Hyperthermia.*
IEEE ROMSC 2007 Conference – Iași, România

- 84 **Mariana Pavel**, George Grădinariu, Florin Ciubotaru, Alexandru Stancu. *Study of the Minimum Switching Time of the Magnetization in Monodomainic Ferromagnetic Particles*. The Workshop on Fundamental and Applied Research in Physics – Iaşi, România (2006)
- 85 **Mariana Pavel**, Andrei-Valentin Plămada, George Grădinariu. *Study of the Chaotic Movement of a Double Pendulum when Placed Within Variable Magnetic Field*. 36th National Conference on Physics and Modern Education Technologies (FTEM) – Iaşi, România (2006)
- 86 George Grădinariu, Izabella Cunha, Marya Aragon, **Mariana Pavel**. *Coordonator: Marcus Vinicius Henriques Brito. Studiu privind influenţa condiţiilor de stocare a sângelui asupra rezultatului analizei gazelor respiratorii sanguine*. SSMB (Medical Students' Society – Bucharest) National Congress – România (2006).

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