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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name and family name** | Andjelka Ćelić | | | | | | | | |
| **Title** | Associate professor | | | | | | | | |
| **Narrow scientific area** | Molecular biology | | | | | | | | |
| **Academic career** | | Year | Institution | | Narrow scientific field or art field | | | | |
| Election to the title | | 2018 | PMF Novi Sad | | Molecular biology | | | | |
| Postdoctoral studies | | 2006-10 | Yale University USA | | Biophysics, structural and molecular biology | | | | |
| PhD | | 2005 | University of Rochester USA | | Biophysics, structural and molecular biology | | | | |
| Master degree | | 2002 | University of Rochester USA | | Biophysics, structural and molecular biology | | | | |
| Master degree | | 1999 | University of Illinois USA | | Physics | | | | |
| Diploma | | 1996 | PMF Novi SAD | | Physics | | | | |
| **A list of dissertations-doctoral art projects in which the teacher is or was a mentor in the past 10 years** | | | | | | | | | |
| No. | Title of the dissertation – doctoral art project | | | Name of the candidate | | \*submitted | | \*\* defended | |
| 1. | Development of biological assays for the identification of ligands for steroid receptors and investigation of the activity of the steroidogenic enzyme aromatase | | | Sofija Bekić | | 2017 | |  | |
| 2. | Identification of bile acid derivatves as ligands of recombinant human 3-alpha hydroxy steroid dehydrogenase type 3(3αHSD-3) and structural basis of modulation of enzyme activity | | | Maja Marinović | | 2019 | |  | |
| \* Year in which the dissertation-doctoral art project was submitted (for dissertations-doctoral art projects in progress) \*\* The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period) | | | | | | | | | |
| **Categorization of the publication of scientific papers in the field of the given study program according to the classification of the relevant Ministry of Education, Science and Technological Development and in accordance with the additional requirements of the standard for the given field (minimum 5 not more than 20)** | | | | | | | | | |
| 1. | Purać, J., Nikolić, T. V., Kojić, D., Ćelić, A. S... & Petri, E. T. (2019). Identification of a metallothionein gene in honey bee Apis mellifera and its expression profile in response to Cd, Cu and Pb exposure. *Molecular ecology*, 28(4), 731-745. | | | | | | | | M21a |
| 2. | Bekić, SS., Marinović, MA., Petri, ET., Sakač, MN.... & Ćelić, A. S. (2018). identification of D-seco modified steroid derivatives with affinity for estrogen receptor α and β isoforms using a non-transcriptional fluorescent cell assay in yeast. *Steroids*, 130, 22-30. | | | | | | | | M23 |
| 3. | Plavša, J. J., Řezáčová, P., Kugler, M., Pachl, P., Brynda, J., Ćelić, A. S., Petri, E. T & Škerlová, J. (2018). In situ proteolysis of an N-terminal His tag with thrombin.... *Acta Crystallographica Section F: Structural Biology Communications*, 74(5), 300-306. | | | | | | | | M23 |
| 4. | Savić, M. P., Ajduković, J. J., Plavša, J. J., Bekić, S. S., Ćelić, A. S...& Djurendić, E. A. (2018). Evaluation of A-ring fused pyridine d-modified androstane derivatives for antiproliferative and AKR1C3 inhibitory activity. *MedChemComm*, 9(6), 969-981. | | | | | | | | M22 |
| 5. | Nikolić, A. R., Petri, E. T., Klisurić, O. R., Ćelić, A. S., Jakimov, D. S., Djurendić, E. A., ... & Sakač, M. N. (2015). Synthesis and anticancer cell potential of steroidal 16, 17-seco-16, 17a-dinitriles.... *Bioorganic & medicinal chemistry*, 23(4), 703-711. | | | | | | | | M21 |
| 6. | Kuo, I. Y., Keeler, C., Corbin, R., Ćelić, A., Petri, E. T., Hodsdon, M. E., & Ehrlich, B. E. (2014). The number and location of EF hand motifs dictates the calcium dependence of polycystin-2 function. *The FASEB Journal*, 28(5), 2332-2346. | | | | | | | | M21a |
| 7. | Savic, M. P., Djurendic, E. A., Petri, E. T., Celic, A., Klisuric, O. R., Sakac, M. N., ... & Gaši, K. M. (2013). Synthesis, structural analysis and antiproliferative activity of some novel D-homo lactone androstane derivatives3. *RSC Advances*, 3, 10385. | | | | | | | | M21 |
| 8. | Ajduković, J. J., Djurendić, E. A., Petri, E. T., Klisurić, O. R., Ćelić, A. S.,... & Gaši, K. M. (2013). 17 (E)-Picolinylidene androstane derivatives as potential inhibitors of prostate cancer growth ... *Bioorg & med chemistry*, 21(23), 7257-7266. | | | | | | | | M21 |
| 9. | Ćelić, A. S., Petri, E. T., Benbow, J., Ehrlich, B. E., & Boggon, T. J. (2012). Calcium-induced conformational changes in C-terminal tail of polycystin-2 are necessary for channel gating. *Journal of Biological Chemistry*, 287(21), 17232-17240. | | | | | | | | M21 |
| 10. | Taslimi, A., Mathew, E., Ćelić, A., Wessel, S., & Dumont, M. E. (2012). Identifying Functionally Important Conformational Changes in Proteins: Activation of the Yeast α-factor Receptor Ste2p. *Journal of molecular biology*, *418*(5), 367-378. | | | | | | | | M21 |
| 11. | Schmidt, S., Mo, M., Heidrich, F. M., Ćelić, A., & Ehrlich, B. E. (2011). C-terminal domain of chromogranin B regulates intracellular calcium signaling. *Journal of Biological Chemistry*, *286*(52), 44888-44896. | | | | | | | | M21 |
| 12. | Petri, E. T., Ćelić, A., Kennedy, S. D.... & Hodsdon, M. E. (2010). Structure of the EF-hand domain of PC-2 suggests a mechanism for Ca2+-dependent regulation of channel activity. *Proceedings of the National Academy of Sciences*, *107*(20), 9176-9181. | | | | | | | | M21a |
| **Cumulative data of scientific activity of the teacher 184** | | | | | | | | | |
| **Cumulative data of scientific activity of the teacher** | | | | | | | | | |
| Total number of citations, without self citations | | | | | **350** | | | | |
| Total number of papers on the SCI (or SSCI) list | | | | | **21** | | | | |
| Current participation in projects | | | | | Domestic 1 | | International 3 | | |
| Specialization | | | | | Postdoctoral studies 2006-2010, Yale University School of Medicine, Department of Pharmacology | | | | |
| Other information you consider to be important | | | | |  | | | | |