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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name and family name** | | | | | Edward Petri | | | | |
| **Title** | | | | | Associate professor | | | | |
| **Narrow scientific area** | | | | | Biochemistry | | | | |
| **Academic career** | | | | Year | Institution | | Area | Narrow scientific or art area | |
| Election to the title | | | | 2018 | Faculty of Sciences, Novi Sad | | biology | biochemistry | |
| Postdoctoral studies | | | | 2006-2010 | Yale University USA | | biology | biochemistry, structural and molecular biology | |
| PhD | | | | 2005 | University of Rochester USA | | biology | biochemistry, structural and molecular biology | |
| Master degree | | | | 2002 | University of Rochester USA | | biology | biochemistry, structural and molecular biology | |
| Diploma | | | | 1997 | University of Pittsburgh USA | | chemistry | biochemistry, structural and molecular biology | |
| **List of subjects the teacher is lecturing in doctoral studies** | | | | | | | | | |
| **No.** | | **Mark** | | | | **Subject name** | | | |
| 1 | | DNB028 | | | | Structural biology of proteins | | | |
| 2 | | DNB027 | | | | Bioinformatics of nucleic acids and proteins | | | |
| The most significant papers, in compliance with the requirements of the additional requirements of the standard for the given field **(minimum 10, 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. | Vukić, V, Hrnjez D, Milanović S, Iličić M, Kanurić K, Petri ЕТ (2015) Comparative Molecular Modeling and Docking Analysis of β-galactosidase Enzymes from Commercially Important Starter Cultures Used in the Dairy Industry ***Food Biotechnology*** 29(3): 248-262 | | | | | | | | М23 |
| 7. | 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 |
| 8. | 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 |
| 9. | 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 |
| 10. | 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 |
| 11. | Kumar A\*, Petri ET\*, Halmos B, Boggon TJ. The Structure and Clinical Relevance of the EGF Receptor in Human Cancer *Journal of Clinical Oncology* 2008 Apr 1:26(10):1742-51, \*contributed equally to publication. | | | | | | | | M21а |
| 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. | | | | | | | | M21а |
| 13. | Petri ET, Errico A, Hunt T, Basavappa R “The crystal structure of human cyclin B” *Cell Cycle*. 2007 Jun;6(11):1342-9. | | | | | | | | M21 |
| **Cumulative data of scientific activity of the teacher** | | | | | | | | | |
| Total number of citations, without self citations | | | | | 540 | | | | |
| Total number of papers on the SCI (or SSCI) list | | | | | 26 | | | | |
| Current participation in projects | | | | | Domestic 1 | | International 2 | | |
| Specialization | | | Postdoctoral fellowship 2006-2010, Yale University School of Medicine, Department of Pharmacology | | | | | | |