|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name and family name** | | | Edward Petri | | | | | | | |
| **Title** | | | Associate professor | | | | | | | |
| **Narrow scientific area** | | | Biochemistry | | | | | | | |
| **Academic career** | | Year | Institution | | | Narrow scientific field or art field | | | | |
| Election to the title | | 2018 | Faculty of Sciences, Novi Sad | | | biochemistry | | | | |
| Postdoctoral studies | | 2006-2010 | Yale University USA | | | biochemistry, structural and molecular biology | | | | |
| PhD | | 2005 | University of Rochester USA | | | biochemistry, structural and molecular biology | | | | |
| Master degree | | 2002 | University of Rochester USA | | | biochemistry, structural and molecular biology | | | | |
| Diploma | | 1997 | University of Pittsburgh USA | | | biochemistry, structural and molecular biology | | | | |
| **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. | Prediction of the three-dimensional structure and characterization of the active site of select beta-galactosidases | | | Vladimir Vukić | | |  | | 2015 | |
| 2. | Identification and analysis of potential substrates and inhibitors of human subfamily 1C aldoketo reductase (AKR1C3) obtained by recombinant expression | | | Jovana Plavša | | |  | | 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 |
|  | 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 |
| 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. | 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 |
| 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 the publication. | | | | | | | | | M21а |
| 12. | 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** 222 | | | | | | | | | | |
| **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 | | | | | 27 | | | | | |
| Current participation in projects | | | | | Domestic 1 | | | International 2 | | |
| Specialization | | | | | Postdoctoral fellow 2006-2010, Yale University School of Medicine, Department of Pharmacology | | | | | |