

Full name	Anđelka Čelić		
Academic appointment	Associate professor		
Name of institution providing full-time employment; employed full-time since	University of Novi Sad Faculty of Sciences, 2011.		
Scientific discipline	Molecular biology		
Academic career			
	Year	Institutions	Field of Study
Appointed to current position	2018	University of Novi Sad Faculty of Sciences	Biology
Postdoctoral studies	2006-2010	Yale University USA	Biophysics, molecular biology
Doctorate	2005	University of Rochester USA	Biophysics, molecular biology
Master of Science	2002	University of Rochester USA	Biophysics, molecular biology
Master of Science	1999	University of Illinois USA	Physics
Diploma	1996	University of Novi Sad Faculty of Sciences	Physics
List of courses currently taught by the instructor			
R.B.	Course Title	Level of Study	
1.	Techniques in molecular biology	BSc in Biology	
2.	X-rays and structures of biomolecules	BSc in Physics	
3.	Introduction to cell biology and physiology	BSc in Physics	
4.	Introduction to biophysics	IAS of Professor of Biology	
5.	Stem cell biology	MSc in Reproductive Biology	
6.	Molecular mechanisms of cancerogenesis	PhD in Biology	
7.	Membrane biology	PhD in Biology	
8.	Radiobiology	PhD in Physics	
Key Publications (min. 5, not more than 10)			
1.	Nikolić A, Petri E, Klisurić O, Čelić A, Jakimov D, Đurendić E, Penov K, and Sakač M. "Synthesis and anticancer cell potential of steroidal 16, 17-seco-16, 17a-dinitriles: Identification of a selective inhibitor of hormone-independent breast cancer cells." <i>Bioorganic & medicinal chemistry</i> 23(2015): 703-711. M21		
2.	Kuo I, Keeler C, Corbin R, Čelić A, Petri E and Ehrlich B "The number and location of EF hand motifs dictates the calcium dependence of polycystin-2 function." <i>The FASEB J</i> 28, 5 (2014): 2332-2346. M21a		
3.	Savić M, Đurendić E, Petri E, Čelić A, Klisurić O, Sakač M, Jakimov D, Kojić V, Penov K. "Synthesis, structural analysis and antiproliferative activity of some novel D-homo lactone androstane derivatives." <i>RSC Advances</i> 3, no. 26 (2013): 10385-10395. M21		
4.	Čelić A, Petri ET, Benbow J, Hodsdon M, Ehrlich BE "Calcium-induced conformational changes in the C-terminal tail of polycystin-2 are necessary for channel gating" <i>Journal of Biol. Chemistry</i> (2012) M21		
5.	Taslimi A, Mathew E, Čelić A, Wessel S, Dumont ME "Identifying Functionally Important Conformational Changes in Proteins: Activation of the Yeast α -factor Receptor Ste2p." <i>Journal of Molecular Biology</i> (2012)418(5):367-78 M21		
6.	Schmidt S, Mo M, Čelić A, Heidrich F, Ehrlich B "The C-terminal domain of chromogranin B regulates intracellular calcium signaling" <i>Journal of Biological Chemistry</i> 2011 Dec 30;286(52):44888-96. M21		
7.	Petri ET, Čelić A, Kennedy S, Ehrlich BE, Boggon TJ, Hodsdon M. "The structure of the EF hand domain of polycystin-2 suggests a mechanism for Ca^{2+} -dependent regulation of polycystin-2 channel activity" <i>Proceedings of National Academy of Sciences PNAS</i> 2010 107(20):9176-81. M21a		
8.	Blachford CR, Čelić A, Petri ET, Ehrlich BE. "Discrete proteolysis of neuronal calcium sensor 1 (NCS-1) by \square -calpain disrupts calcium binding". <i>Cell Calcium</i> . 2009 Oct; 46(4):257-62. M21		
9.	Čelić, A, Petri ET, Demeler B, Ehrlich BE, Boggon TJ, "Domain Mapping of the Polycystin-2 C-terminal Tail using De Novo Molecular Modeling and Biophysical Analysis", <i>JBC</i> 2008 ;283(42):28305-12. M21		
10.	Čelić A, Martin NP, Son CD, Becker JM., Naider F, Dumont ME "Sequences in the intracellular loops of the yeast pheromone receptor Ste2p required for G protein activation" <i>Biochemistry</i> 2003; 42(10):3004-17. M21		
Summary of the instructor's scientific achievements			
Total citations (excluding self-citations)	350		
Total number of publications on SCI or SSCI list	20		
Current Scientific Projects	National 1		International 3
Specializations	Postdoctoral studies 2006-2010, Yale University School of Medicine, Department of Pharmacology		
Additional information			