IVANKA JERIĆ, PhD (scientist number: 218943)

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Education

1994 B.Sc. in chemistry at the Faculty of Natural Sciences, University of Zagreb

1997 M.Sc. (Chemistry/Organic Chemistry); Faculty of Natural Sciences, University of Zagreb; Ruđer Bošković Institute (RBI)

2000 PhD (Chemistry/Organic Chemistry); Faculty of Natural Sciences, University of Zagreb; RBI

Employment

2011 Senior Research Associate (equivalent to associate professor), RBI

2016 Head of the Laboratory for biomimetic chemistry, RBI

Research grants and awards:

1994-2007: Investigator at four projects funded by the Ministry of science, education and sports

2013-2015: Croatian Science Foundation; Consultant in project "Nonlinear sparse component analysis with applications in chemometrics and pathology"

2013-2016: FP7-REGPOT; WP leader in "Enhancement of the Innovation Potential in SEE through new Molecular Solutions in Research and Development"

2015-2019: Croatian Science Foundation; Principal Investigator; "The assembly of peptidomimetics by multicomponent reactions"

Supervision of doctoral and postdoctoral students:

Supervision of 9 B.Sc. theses, 1 PhD thesis and 1 postdoctoral fellow; currently mentor of 3 PhD students

Research profile

Design and synthesis of peptidomimetics developed to fulfil specific secondary structure requirements and consequently distinct function. Application of NMR spectroscopy and mass spectrometry in qualitative and quantitative analysis.

Publications: 37 publications; Selected publications listed below:

1. Gredicak M, ...Jerić I.Bergman cyclization of acyclic amino acid derived enediynes leads to the formation of 2,3-dihydrobenzo[f]isoindoles. *J Org Chem*. 2010;75(18):6219-28.
2. Radman A, ...**Jerić I**. Predicting antitumor activity of peptides by consensus of regression models trained on a small data sample. *Int J Mol Sci*. 2011;12(12):8415-30.
3. Grdičak M, ...**Jerić I**. Amino acid-based tweezers: the role of turn-like conformation in the binding of copper(II). *J Inorg Biochem*. 2012;116:45-52.
4. Grdičak M, ... **Jerić I.** Cyclic enediyne-amino acid chimeras as new aminopeptidase N inhibitors. *Amino Acids.* 2012;43(5):2087-100.
5. Suć J, ...**Jerić I**. The impact of α-hydrazino acids embedded in short fluorescent peptides on peptide interactions with DNA and RNA. *Org Biomol Chem*. 2016. [Epub ahead of print].