

Dr. Ivo Piantanida

PERSONAL: Born September 5, 1967, Zagreb, Croatia.

CURRENT EMPLOYMENT AND DUTIES

- 2017- : Senior Scientist with tenure, Laboratory for Biomolecular Interactions and Spectroscopy (head), Division of Organic Chemistry & Biochemistry, Ruđer Bošković Institute, Zagreb, Croatia
- 2016- : Full professor at the University of Rijeka, School of Medicine, Croatia

PREVIOUS WORK EXPERIENCE

- 2017 – *current*: Senior Scientist with permanent tenure, Laboratory for biomolecular interactions and spectroscopy (Head), Division of Organic Chemistry & Biochemistry, Ruđer Bošković Institute, Zagreb, Croatia
- 2011 – 2017: Senior Scientist, Laboratory for biomolecular interactions and spectroscopy (Head), Division of Organic Chemistry & Biochemistry, Ruđer Bošković Institute, Zagreb, Croatia
- 2007 – 2011: Senior research associate, Ruđer Bošković Institute, Zagreb, Croatia
- 2003-2007: Research Associate, Ruđer Bošković Institute, Zagreb, Croatia
- 2001-2003: Senior research assistant (postdoctoral position), Ruđer Bošković Institute, Zagreb, Croatia
- 1993-2001: Research assistant (PhD position), Ruđer Bošković Institute, Zagreb, Croatia

EDUCATION

- 1997-2001: PhD; Faculty of Science, University of Zagreb, Croatia, supervisor M. Žinić.
- 1993-1997: Master of Science Thesis, Faculty of Science, University of Zagreb, Croatia, supervisor M. Žinić.
- 1987-1993: Diploma Thesis, Faculty of Chemical Technology, University of Zagreb, Croatia.

LANGUAGES: Croatian (mother language), English (excellent), German (good), Italian (good).

FELLOWSHIPS, SCHOLARSHIPS, AND AWARDS

- 2020: The Croatian Academy of Sciences and Arts Award, in recognition of extraordinary scientific achievements in the field of mathematical, physical and chemical sciences
- 2014: The Croatia National Science Award, for scientific accomplishments in the field of chemistry.
- 2002: “Vladimir Prelog” Award of the Croatian Chemical Society and Pliva Ltd pharmaceutical industry for young organic chemists.

MEMBERSHIPS

- 2022: Fellow of the Croatian Academy of Sciences and Arts
- 2002– current Member of the Croatian Chemical Society

TEACHING AND SUPERVISION

- Currently supervising 2 PhD students, so far 10 MSc and 6 PhD theses mentored.
- 2010 – Full Professor, Division of Biotechnology, University of Rijeka and Head of the Module 5 in the Ph.D. study “Medicinal Chemistry”.
- 2007 – Lecturer at PhD study “Molecular Biosciences” University of Osijek.

REFEREEING

- Reviewer in >40 journals including: Angew. Chem., J. Am. Chem. Soc., Chem. Sci., J. Med. Chem.; Chem, Eur. J.; Eur. J. Med. Chem.; Chem. Commun., J. Org. Chem., etc.

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MEMBERSHIPS IN JOURNAL EDITORIAL TEAMS:

- **2019 – current:** Editor at MDPI Molecules, Bioorganic Chemistry section
https://www.mdpi.com/journal/molecules/sectioneditors/bioorganic_chemistry
- **2020:** Editor of thematic issue “Molecular Recognition” Beilstein Journal of Organic Chemistry

RECENT PROJECTS

- 2023 – 27. Head of HrZZ IP-2022-10-9829 „New peptide-oligonucleotide-chromophore conjugates for biochemical diagnostics and bioactivity “
- 2020 - 23. WP head in Horizon 2020 FETPROACT-EIC-06-2019, Project: 952110 “MARA-BASED INDUSTRIAL LOW-COST IDENTIFICATION ASSAYS” (MARILIA)
- 2018 - 23. Head of HrZZ IP-2018-01-5475 "Multichromophore probes for recognition of particular DNA, RNA and protein structures"
- 2016-17 Head of HAMAG-Bicro Proof of Concept (PoC6) PoC6_11_71-U-1 “Novel method for detection of mycotoxin STC in food and environment"
- 2014–18 Head of HrZZ IP-2013-11-1477 “Multifunctional molecular sensing of DNA/RNA secondary structure by chemical sensors”
- 2015–16 Head of ESF Grant HR.3.2.01-0254, KapMedKem
- 2013–16: REGPOT Project Call FP7-REGPOT-2012-2013-1; coordinator Dr. Oliver Vugrek, I. Piantanida Head of WP3 (purchase, installation of new equipment).

DISSEMINATION RECORD

- >10 plenary, >20 invited lectures and oral presentations at conferences, as well as >50 invited lectures at distinguished institutions

PUBLICATION RECORD

- 204 scientific articles in WosCC base indexed journals (fields chemistry, medicinal chemistry), till now > 4300 times cited (20 citations per paper), >3000 non- self-citing, H factor = 34(Wos) / 35 (Scopus). Corresponding author on >100 scientific articles, >50 articles published in top chemistry journals (IF=5-13), 90 articles in the excellent chemistry journals (IF=3-5, mostly Q1 WosCC base). Two patent applications. Book chapter in RSC Series: Monographs in Supramolecular Chemistry Vol. 13, Supramolecular systems in biomedical fields, 2013.

Full list of papers (204) see <https://www.croris.hr/osobe/profil/7443?lang=en>

- Selected publications:
 - D Pavlović Saftić, M Domínguez-Prieto, N Moiso, G Lukić, L Lulić Horvat, J Puzić, S Sobočanec, M Pinterić, I Piantanida, F Brucoli Eur. J. Med. Chem., 297 (2025) 117974
 - A Usenik; I Nikšić-Franjić; M Belovari; M Jurković; L Klemen; N Cindro; N Došlić; I Piantanida; V Tomisić Anal. Chim. Acta 1377 (2025) 344648
 - D. Pavlović Saftić, R. Ricker, P. Mentzel, J. Krebs, H. Amini, S. Lorenzen, N. Schopper, A. Kendel, S. Miljanić, J. Morvan, M. Mauduit, Y. Trolez, I. Piantanida, T. B. Marder Microchem. J. 196 (2024) 109665
 - K Božinović, D Nestić, E Michail, M Ferger, M Koščak, C Lambert, D Majhen, T B. Marder, I Piantanida J Photochem. Photobiol. B, 234 (2022), 112523
 - M. Ferger, Ž. Ban, I. Krošl, S. Tomić, L. Dietrich, S. Lorenzen, F. Rauch, D. Sieh, A. Friedrich, S. Griesbeck, A. Kendel, S. Miljanić, I. Piantanida, T. B. Marder Chem. Eur. J. 27 (2021), 5142, doi.org/10.1002/chem.202005141 PREDNJA NASLOVNA STRANICA
 - Ž. Ban, S. Griesbeck, S. Tomić, J. Nitsch, T. Marder, I Piantanida, Chem. Eur. J. 26 (2020) 2195-2203. NASLOVNA STRANICA i „Cover Profile“ DOI: 10.1002/chem.201905568
 - T. Šmidlehner, M. Badovinac, I. Piantanida, New J. Chem. 42, (2018), 6655 NASLOVNA STRANICA
 - M. Li, M. Radić Stojković, M. Ehlers, E. Zellermann, I. Piantanida, C. Schmuck, Angew. Chem. Int. Ed. 55 (2016) 13015–13018.
 - I. Crnolatac, I. Rogan, B. Majić, S. Tomić, T. Deligeorgiev, G. Horvat, D. Makuc, J. Plavec, G. Pescitelli, I Piantanida Anal. Chim. Acta 940 (2016) 128–135.
 - J. Wu, Y. Zou, W. Sicking, I. Piantanida, T. Yi, C. Schmuck, J. Am. Chem. Soc. , 134 (2012), 1958–1961.
 - T. H. Rehm, M. Radić Stojković, S. Rehm, M. Škugor, I. Piantanida, F. Würthner, Chem. Sci., 3, (2012), 3393–3397.

- M. Hranjec, I. Piantanida, M. Kralj, L. Šuman, K. Pavelić, G. Karminski-Zamola, J. Med. Chem., 51 (2008) 4899–4910. >200 citata
- K. Starčević, G. Karminski-Zamola, I. Piantanida, M. Žinić, L. Šuman and M. Kralj; J. Am. Chem. Soc., 127 (2005) 1074-1075.

ADMINISTRATIVE SCIENTIFIC DUTIES:

- 2022 - ... Head of the Division of Organic Chemistry and Biochemistry, RBI
- 2017 – 2021 National Scientific Research Council for Natural Sciences (Vice President for Technology Development and Innovation)
- 2011 – Member of the Ruđer Bošković Institute Scientific Council
- 2016. – 2026 Head of the Laboratory for Biomolecular Interactions and Spectroscopy
- 2012-2016 Deputy Head of the Ruđer Bošković Institute Scientific Council;
- 2012-2016 Head of the Ruđer Bošković Institute Scientific Council for Chemistry;
- 2002-2004 Secretary of the Croatian Chemical Society;