**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.

**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**

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| * 2020 - 23. | WP head in Horizon 2020 FETPROACT-EIC-06-2019, Project: 952110 “MARA-BASED INDUSTRIAL LOW-COST IDENTIFICATION ASSAYS” (MARILIA) | 2 mil. EUR |
| * 2018 - 23. | Principal investigator of the Croatian Science Foundation Project (grant No. 5475) "Multichromophore probes for recognition of particular DNA, RNA and protein structures" | 994.000 HRK |
| * *2016-17* | HAMAG-Bicro Proof of Concept (PoC6) PoC6\_11\_71-U-1 “Novel method for detection of mycotoxin STC in food and environment" | 342.000 HRK |
| * *2014–18* * *2015–16* | Croatian Science Foundation Grant DNA/RNA-MolSense  ESF Grants, KapMedKem | 988.000 HRK  1.842.445 HRK |
| * *2013–16:* | REGPOT Project Call FP7-REGPOT-2012-2013-1; coordinator Dr. Oliver Vugrek, I**. Piantanida** Head of WP3 (purchase, installation of new equipment). | 4.880.000 Eur |

**DISSEMINATION RECORD**

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

# PUBLICATION RECORD

# 175 scientific articles in CC and Wos bases indexed journals (fields chemistry, medicinal chemistry), till now > 3500 times cited (20 citations per paper), >2500 non- self-citing, H factor = 32(Wos) / 32 (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. pp. 213.

*Full list of papers (175) see* <https://www.croris.hr/crosbi/searchByContext/2/7443?TIP_RAD=760>

# Selected publications:

1. - M. Ferger, Ž. Ban, I. Krošl, S. Tomić, L. Dietrich, S. Lorenzen, F. Rauch, D. Sieh, A. Friedrich, S. Griesbeck, A. Kenđel, S. Miljanić, I. Piantanida, T. B. Marder Chem. Eur. J. 27 (2021), 5142, doi.org/10.1002/chem.202005141 front cover
2. - Ž. Ban, S. Griesbeck, S. Tomić, J. Nitsch, T. Marder, I Piantanida, Chem. Eur. J. 26 (2020) 2195-2203. front cover and „Cover Profile“ DOI: 10.1002/chem.201905568
3. - T. Šmidlehner, M. Badovinac, I. Piantanida, New J. Chem. 42, (2018), 6655-6663. Back cover
4. - M. Li, M. Radić Stojković, M. Ehlers, E. Zellermann, I. Piantanida, C. Schmuck, Angew. Chem. Int. Ed. 55 (2016) 13015–13018.
5. - 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.
6. - J. Gershberg, M. Radić Stojković, M. Škugor, S. Tomić, T.H. Rehm, S. Rehm, C.R. Saha-Möller, I. Piantanida, F. Würthner, Chem. Eur. J. 21 (2015) 7886–7895.
7. - M. Bončina, Č. Podlipnik, I. Piantanida, J. Eilmes, M.-P. Teulade-Fichou, G. Vesnaver, J. Lah, Nucl. Ac. Res. 43 (2015) 10376-10386.
8. - J. Wu, Y. Zou, W. Sicking, I. Piantanida, T. Yi, C. Schmuck, J. Am. Chem. Soc. , 134 (2012), 1958–1961.
9. - L.-M. Tumir, I. Crnolatac, T. Deligeorgiev, A. Vasilev, S. Kaloyanova, M. Grabar Branilović, S. Tomić, I. Piantanida, Chemistry, Eur. J., 18 (2012), 3859–3864.
10. - T. H. Rehm, M. Radić Stojković, S. Rehm, M. Škugor, I. Piantanida, F. Würthner, Chem. Sci., 3, (2012), 3393–3397.
11. - K. Klemm, M. Radić Stojković, G. Horvat, V. Tomišić, I. Piantanida, C. Schmuck; Chemistry, Eur. J., 18 (2012) 1352–1363.
12. - L. Hernandez-Folgado, D. Baretić, I. Piantanida, M. Marjanović, M. Kralj, T. Rehm, C. Schmuck; Chemistry, Eur. J., 16 (2010), 3036-3056.
13. - M. Hranjec, I. Piantanida, M. Kralj, L. Šuman, K. Pavelić, G. Karminski-Zamola, J. Med. Chem., 51 (2008) 4899–4910. >150 citations
14. - M. Hranjec, M. Kralj, I. Piantanida, M. Sedić, L. Šuman, K. Pavelić and G. Karminski-Zamola; J. Med. Chem., 50 (2007) 5696-5711 >200 citations
15. - 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:**

# 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. – 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;