

Curriculum Vitae

Personal information **Iva Zonjic**

Work experience

03/2025–present

Pharmacovigilance Inspector, Agency for Medicinal Products and Medicinal Devices Croatia, Zagreb, Croatia.

Management of pharmacovigilance inspections of the marketing authorisation holders. It is divided in three steps- preparation for inspection by going through documentation of MAHs PV system, conduction of inspection as a lead or co-lead inspector and issuance of final report and CAPA review.

01/2024 – 03/2025

Postdoctoral Researcher Laboratory for Molecular Genetics, Ruđer Bošković Institute, Zagreb, Croatia.
Working on ADP-ribosylation, as posttranslational modification, in *Streptomyces* bacteria and its impact on metabolism, with a special focus on antibiotic production (dr. Andreja Mikoč group).

05/2019 – 09/2023

Research Assistant Laboratory for Biomolecular interactions and Spectroscopy, Ruđer Bošković Institute, Zagreb, Croatia.
Working on the project "Molecular recognition of DNA:RNA hybrid and multistranded structures in bioanalytical and in vitro systems"
(PI: dr. Marijana Radić Stojković) as a Research assistant.

Education and training

11/2024 "Introduction to medical devices vigilance" and "Distribution and good practice in medical device distribution", organized by the Agency for Medicinal Products and Medical Devices (HALMED)

◦ Introduction and basics of medical devices vigilance and Distribution and good practice in medical device distribution

10/2019 – 07/2023

PhD-Chemistry Faculty of Science, University of Zagreb, Zagreb, Croatia.
Dissertation title: Molecular recognition of hybrid and multistranded DNA and RNA structures.
Dissertation defended: 14th July 2023

Analytical Chemistry skills

- Characterization of new compounds with UV-Vis spectroscopy, Fluorescence spectroscopy
- Evaluation of compound-DNA/RNA interactions with Isothermal titration calorimetry, Circular dichroism, UV-Vis (Thermal melting assay) and Fluorescence spectroscopy
- RNase H assay, Competition dialysis assay
- Data analysis in OriginPro

Organic Chemistry skills

- Synthesis and purification of new heteroaromatic compounds (Phenanthridines)
- Characterization of synthesized compounds (chromatography techniques, NMR, IR, LC-MS)

Molecular Biology skills

- AlamarBlue, MTT assay
- working with human cell lines (HeLa, OVCAR-3, MES-OV)

Social skills

- Team-oriented
- Self-motivated
- Organized and time-efficient
- Goal-oriented

11/2019 "Introduction to molecular modeling", organized by the Croatian Association for Cancer Research (CACR)

◦ Basics of molecular modeling for Chemists.

10/2013 – 02/2019

Master's degree Chemistry and Biology Faculty of Science, University of Zagreb, Zagreb, Croatia.
Master thesis title: Identification, cloning and expression of sponge *Eunapius subterraneus*, myc gene; Teaching chemistry and

electrophoresis.

Thesis has been done at Ruđer Bošković Institute, Laboratory of Molecular Genetics under the supervision of dr. Helena Četković

Molecular Biology-Biochemistry skills

- Isolation of genomic DNA and RNA; Electrophoresis; Polymerase Chain Reaction; DNA Cloning
- Protein expression, purification, isolation; Western analysis

Social skills

- Communicative
- Organized and time-efficient

Additional information

Publications

1. Zonjić, Iva; Tumir, Lidija-Marija; Crnolatac, Ivo; Šupljika, Filip; Racané, Livio; Tomić, Sanja; Radić Stojković, Marijana; Recognition of ATT Triplex and DNA:RNA Hybrid Structures by Benzothiazole Ligands. // *Biomolecules*, 12 (2022), 3; 1600173, 20 doi:10.3390/biom12030374
2. Zonjić, Iva; Radić Stojković, Marijana; Crnolatac, Ivo; Tomašić Paić, Ana; Pšeničnik, Silvia; Vasilev, Aleksey; Kandinska, Meglena; Mondeshki, Mihail; Balushev, Stanislav; Landfester, Katharina et al.; Styryl dyes with N-Methylpiperazine and N-Phenylpiperazine Functionality: AT-DNA and G quadruplex binding ligands and theranostic agents. // *Bioorganic chemistry*, 127 (2022), 105999, 15 doi:10.1016/j.bioorg.2022.105999
3. Zonjić, Iva; Kurutos, Atanas; Mihovilović, Petra; Crnolatac, Ivo; Tumir, Lidija-Marija; Tomašić Paić, Ana; Kralj, Juran; Horvat, Lucija; Brozovic, Anamaria; Stojković, Ranko; Radić Stojković, Marijana; Formation of triplex rA/dA-containing nucleic acid helices induced by new thiazole orange analogues and their biological evaluation. H-aggregate formation conditioned by rA sequence. // *Dyes and pigments*, 207 (2022), 110715, 14 doi:10.1016/j.dyepig.2022.110715
4. Racané, Livio; Rep, Valentina; Kraljević Pavelić, Sandra; Grbčić, Petra; Zonjić, Iva; Radić Stojković, Marijana; Taylor, Martin C.; Kelly, John M.; Raić-Malić, Silvana; Synthesis, antiproliferative and antitrypanosomal activities, and DNA binding of novel 6-amidino-2-arylbenzothiazoles. // *Journal of enzyme inhibition and medicinal chemistry*, 36 (2021), 1; 1952-1967 doi:10.1080/14756366.2021.1959572
5. Bistровić Popov, Andrea; Krstulović, Luka; Koštrun, Sanja; Jelić, Dubravko; Bokulić, Ana; Radić Stojković, Marijana; Zonjić, Iva; Taylor, Martin C.; Kelly, John M.; Bajić, Miroslav; Raić-Malić, Silvana; Design, synthesis, antitrypanosomal activity, DNA/RNA binding and in vitro ADME profiling of novel imidazoline-substituted 2-arylbenzimidazoles. // *European journal of medicinal chemistry*, 207 (2020), 112802, 19 doi:10.1016/j.ejmech.2020.112802
6. Tumir, Lidija-Marija; Zonjić, Iva; Žuna, Kristina; Radić Brkanac, Sandra; Jukić, Marijana; Huđek, Ana; Durgo, Ksenija; Crnolatac, Ivo; Glavaš-Obrovac, Ljubica; Cardullo, Nunzio et al. Synthesis, DNA/RNA-interaction and biological activity of benzo[k,l]xanthene lignans. // *Bioorganic chemistry*, 104 (2020), 104190, 12 doi:10.1016/j.bioorg.2020.104190

Projects

"Molecular recognition of DNA:RNA hybrid and multistranded structures in bioanalytical and in vitro systems", (PI: dr. Marijana Radić Stojković) - Croatian Science Foundation granted

I worked for 4 years with various analytical (fluorimetry, UV/Vis spectroscopy and circular dichroism) and calorimetry techniques. I also synthesized new compounds. As part of the project, I attended several international and domestic conferences where I presented my scientific results.

Memberships

Memberships:

Croatian Chemical Society (2019 - present)
European Young Chemists' Network (2019 - present)

Scientific conferences:

IX EFMC International Symposium on Advances in Synthetic and Medicinal Chemistry; 10th EFMC Young Medicinal Chemists' Symposium, Zagreb, Croatia, 2023-poster presentation

EFMC - ISMC International Symposium on Medicinal Chemistry, Nice, France, 2022-poster presentation

27th Croatian Meeting of Chemists and Chemical Engineers, Mali Lošinj, Croatia, 2021- oral presentation

Other Relevant Information