

Curriculum vitae

Dr. sc. Srećko I. Kirin, Ruđer Bošković Institute (RBI), Bijenička c. 54, HR-10000 Zagreb, Croatia
Web: irb.hr/eng/People/Srecko-Kirin, ww.webofscience.com/wos/author/record/1315617

Education

03.1995 – 05.1998 Doctor of Science (Dr. sc.) in Chemistry, University of Zagreb, Croatia
01.1992 – 12.1994 Master of Science (M. sc.) in Organic chemistry, University of Zagreb, Croatia
10.1987 – 12.1991 Diploma (B. sc.) in Chemistry, University of Zagreb, Croatia

Work experience

09.2022 – today **Senior Scientist**, Bioinorganic chemistry and catalysis, RBI, Zagreb
02.2021 – today **Adjunct Assistant Professor**, Medicinal Chemistry, J. J. Strossmayer University, Osijek
03.2016 – today **Head**, Laboratory for solid state and complex compounds chemistry, RBI, Zagreb
03.2017 – 09.2022 **Senior Research Associate**, Bioinorganic chemistry and catalysis, RBI, Zagreb
02.2008 – 03.2017 **Research Associate (Senior Assistant until 09.2008)**, Bioinorganic chemistry, RBI, Zagreb
04.2006 – 12.2007 **Postdoctoral Assistant**, Bioinorganic materials, Pennsylvania State University, USA
09.2001 – 03.2006 **Postdoctoral Assistant**, Bioinorganic chemistry, University Heidelberg, Germany
04.1993 – 09.2001 **Research Assistant**, Organometallic chemistry and homogeneous catalysis, RBI, Zagreb
01.1992 – 03.1993 **Researcher**, Pharmaceutical industry, Research institute PLIVA, Zagreb

Scientific projects

Research projects ($\Sigma = 1.5$ M€, peer reviewed, principle investigator).

12.2023 – 12.2027 **Chirality transfer in coordination cages (Cage Cat)**
Croatian Science Foundation (CSF), IP-2022-10-8456, 200.000 €

12.2019 – 04.2023 **Innovative solutions of catalytic production processes for pharmaceutical industry (CAT Pharma)**, Investment in Science and Innovation program (KK.01.1.1.04.0013), European Regional Development Fund; 830.000 € (coordinator)

06.2015 – 09.2019 **Minimal artificial enzymes (MArtEn)**
Croatian Science Foundation (CSF) IP-2014-09-1461; 100.000 €

01.2010 – 10.2011 **Metallated bioconjugates for applications in biological and material sciences**
Homing grant program (02.04/23), Croatian Science Foundation (CSF), 110.000 €

02.2009 – 01.2011 **Organometallic and inorganic bioconjugates as potential enantioselective catalysis**
Homeward grant program (36/08), Unity through knowledge fund (UKF), 260.000 €

Basic scientometric data

62 scientific papers, incl. 42 paper as lead author (first or corresponding), 2 patents, 1 book chapter (Wiley)
Citations: >1350 (WoS or Scopus), additionally > 200 citations in books or patents; **h-index:** 19 (WoS / Scopus)

Selected publications (mentored students are underlined>)

10. S. Jakopec, N. Pantalon Juraj, D. Jadreško, R. Vianello,* A. Brozovic,* V. Tadić, L. Milić, B. Perić, S. Raić-Malić*, **S. I. Kirin***: *Appl. Organomet. Chem.* **2024**, 38, e7415.

09. S. Opačak, M. Pernar Kovač, A. Brozovic, I. Piantanida,* **S. I. Kirin***: *Dalton Trans.* **2023**, 52, 11698-11704.

08. N. Pantalon Juraj, **S. I. Kirin***: *Coord. Chem. Rev.* **2021**, 445, 214051.

07. N. Pantalon Juraj, G. I. Miletić, B. Perić, Z. Popović, N. Smrečki, R. Vianello, **S. I. Kirin***: *Inorg. Chem.* **2019**, 58, 16445.

06. Z. Kokan*, B. Kovačević, Z. Štefanić, P. Tzvetkova, **S. I. Kirin***: *Chem. Commun.* **2018**, 54, 2094.

05. Z. Kokan,* B. Perić, M. Vazdar, Ž. Marinić, D. Vikić-Topić, E. Meštrović, **S. I. Kirin***: *Chem. Commun.* **2017**, 53, 1945.
04. Đ. Škalamera, E. Sanders, R. Vianello, A. Maršavelski, A. Pevec, I. Turel, **S. I. Kirin***: *Dalton Trans.* **2016**, 45, 2845.
03. **S. I. Kirin**, I. Ott, R. Gust, W. Mier, T. Weyhermüller, N. Metzler-Nolte*: *Angew. Chem. Int. Ed.* **2008**, 47, 955.
02. S. Pfander, R. Fiammengo, **S. I. Kirin**, N. Metzler-Nolte,* A. Jäschke*: *Nucleic Acids Res.* **2007**, 35, e25.
01. **S. I. Kirin**, H.-B. Kraatz,* N. Metzler-Nolte*: *Chem. Soc. Rev.* **2006**, 35, 348-354. **Front cover**

Mentorship

Current group members (independent work).

- 10.2024 – today **Filip Grdović**, doctoral student (CSF scholarship)
 09.2024 – today **Marin Knežević**, undergraduate student (Uni Zagreb)
 08.2021 – today **Dr. sc. Zoran Kokan**, research associate
 01.2020 – today **Marija Bakija**, doctoral student (CSF scholarship)
 01.2013 – today **Dr. sc. Berislav Perić**, senior research associate
 09.2010 – today **Ernest Sanders**, research technician

Former group members.

Doctoral students (Thesis defense date): **Silvio Jakopec**[#] (04.2023), **Natalija Pantalon Juraj** (07.2021), **Saša Opačak** (09.2020), **Zoran Kokan** (06.2014); Postdoctoral students: **Manish Kumar** (Marie Curie fellow, 2014-2015), **Goran Kovačević** (2010-2011); Undergraduate students (Thesis defense date): **Aleks Logožar** (02.2023), **Tomislav Gojšić** (06.2021), **Silvio Jakopec**[#] (07.2020), **Marko Krklec**[#] (06.2019), **Tiana Benko**[#] (07.2018); International students: **Emilie Marechal** (ERASMUS 2022), **Hugo Tetu** (ERASMUS 2021), **Dominik Moreth** (DAAD 2019), **Corentin Landais** (ERASMUS 2019), **Jeremy Le Pennec** (ERASMUS 2017).

[#]co-mentor: **Silvana Raić-Malić** (Uni Zagreb)

Teaching activity, Σ = 1600 hrs, selected (only current teaching)

- 2021 – today **Medicinal Chemistry** (Lectures, in German), Josip Juraj Strossmayer University Osijek majors in human medicine (3 × 15 hrs)
 2017 – today **Selected Chapters of Chemistry** (Guest Lecture) Faculty of Science, University of Zagreb majors in chemistry, topic: "Life at the other side of the mirror" (6 × 3 hrs)

Awards and recognition, selected

- 1997 **DAAD graduate research scholarship**, University GH Essen, Germany; 3 months
 1993 **Diploma**, Croatian Chamber of Economy, for "special accomplishments in promoting Croatian economy"
 1993 **Golden medal**, 42nd World Exhibition of Invention EUREKA, Brussels, Belgium
 1993 **Grand prix**, 2nd Croatian Exhibition of Invention, Zagreb, Croatia
 1991 **ÖAD undergraduate research scholarship**, University Graz, Austria; 1 month

Professional activity, selected

Research proposal reviews

Hungarian Scientific Research Fund (OTKA); National Science Centre (NCN), Poland; Slovenian Research Agency (ARRS); Evaluation panel (IP/UIP-2020-02 and PZS-2019-02), Croatian Science Foundation (CSF)

Journal paper reviews (> 170 manuscripts, alphabetical order, selected)

Chemical Communications, Dalton Transactions, Inorganic Chemistry, Journal of Medicinal Chemistry, The Journal of Organic Chemistry, for verified reviews see <https://publons.com/author/1435482/>