Curriculum Vitae

Personal information

First and last name: Vladimir Arion

Identifier ORCID: 0000-0002-1895-6460; Researcher ID: P-7932-2015

Date of birth: 08.09.1958

Citizenships: Moldova, Austria, Romania

Website: https://anorg-chemie.univie.ac.at/research/bioinorganic-chemistry/group-vladimir-arion/

E-mail: vladimir.arion@stuba.sk

E-mail: vladimir.arion@univie.ac.at

Education

05/2003 – Habilitation

University of Vienna/ Austria

01/1986 – PhD

Institute of Physical Chemistry/ Ukrainian Academy of Sciences, Kiev, Ukraine

06/1980 – Diploma work

Faculty of Chemistry/ Department of Inorganic Chemistry, Kishinev State University, Moldova

Current position/positions

10/2023 – Research Associate, Faculty of Chemical and Food Technology, Institute of Physical Chemistry and Chemical Physics, Slovak University of Technology in Bratislava

Lecturer, Faculty of Chemistry/ Department of Inorganic Chemistry, University of Vienna, Austria

Previous positions

10/2003 –9/2023 Associate Professor/

Faculty of Chemistry/ Institute of Inorganic Chemistry, University of Vienna, Austria

10/2000 – 10/2003 – Assistant Professor

Faculty of Chemistry/ Department of Inorganic Chemistry, University of Vienna, Austria

10/1999 – 9/2000 – Academic visitor (Chercheur Associé, poste rouge du CNRS)

Laboratoire de Chimie de Coordination du CNRS, Toulouse, France

10/1998 – 9/1999 – Academic visitor/Laboratoire de Cristallochimie et Physicochimie du Solide/E.N.S.C. de Lille, Villeneuve d'Ascq, France

3/1998 – 9/1998 – Alexander von Humboldt Fellow/Max-Planck-Institut für Kohlenforschung, Mülheim an der Ruhr, Germany

03/1997 – 02/1998 – Academic visitor/Inorganic Chemistry Laboratory/Oxford University, UK

10/1996 – 02/1997 – Research Associate/Department of Chemistry/Odense University, Denmark

2/1995 – 9/1996 – Research Associate/Max-Planck-Institut für Strahlenchemie, Mülheim an der Ruhr, Germany

1/1993 – 1/1995 – Alexander von Humboldt Fellow/MPI für Kohlenforschung, Germany

5/1991 – 4/1993 – Vice-Director/Institute of Chemistry/Academy of Sciences of Moldova, Moldova

12/1989 – 5/1991 – Senior Researcher/Institute of Chemistry/Academy of Sciences of Moldova

1/1986 – 12/1989 – Junior Researcher/Institute of Chemistry/Academy of Sciences of Moldova

10/1980 – 10/1982 – Engineer/Institute of Chemistry/Academy of Sciences of Moldova

Scholarships and awards

12/2010 – 2/2011 – Professorship at the University of Lille, France

4/1993 – 1/1995 – Alexander von Humboldt Fellowship – MPI für Kohlenforschung, Mülheim an der Ruhr, Germany

1993 – State Prize of the Republic of Moldova in the field of science and technology, Moldova

10/1982 – 10/1985 – PhD studies – Institute of Chemistry/Academy of Sciences of Moldova, Moldova

Student and post-docs supervision (if applicable)

2000 – 2023 – 8 Postdocs/ 23 PhD students/ 23 Master Students

Faculty of Chemistry/ Department of Inorganic Chemistry/ University of Vienna, Austria

Teaching activities (if applicable)

2003 – 2012 – Ao. Univ. Prof. (Associate Professor) – General Chemistry, University of Vienna/ Faculty of Chemistry, Austria

2003 –2013 – Ao. Univ. Prof. – Seminar Bioinorganic Chemistry, University of Vienna, Faculty of Chemistry, Austria

2005 –2011 – Ao. Univ. Prof. – Inorganic Chemistry I, University of Vienna, Faculty of Chemistry, Austria

2006 – 2023 – Ao. Univ. Prof. – Coordination Chemistry, University of Vienna/ Institute of Inorganic Chemistry, Austria

2003 –2013 – Ao. Univ. Prof. – Inorganic-chemical training course, University of Vienna, Faculty of Chemistry, Austria

Organisation of scientific meetings

2007 – Vice-Chairman of the International Conference of Biological Chemistry (ICBIC), 1000 participants, Vienna, Austria

Institutional responsibilities

2005 – 2013 – Head of X-ray Diffraction Centre, University of Vienna, Faculty of Chemistry, Austria

2004 – 2012 – Deputy Director, University of Vienna/ Institute of Inorganic Chemistry, Austria

1991 – 1993 – Deputy Director, Institute of Chemistry, Academy of Sciences of Moldova, Moldova

Reviewing activities

2022 – Review Panel member Sonata Bis funding scheme, Narodowe Centrum Nauki/ Poland

2020 – Review Panel member PRELUDIUM ST4 (Chemistry) funding scheme, Narodowe Centrum Nauki/ Poland

2020 – Review Panel member PD2019 and TE2019 (Chemistry), UEFISCDI/ Romania

2019 – Editorial Board, Inorganics/MDPI/ Switzerland

2003 – 2023, Reviewer for Inorganic Chemistry, Journal of Medicinal Chemistry, Coordination Chemistry Reviews, Organometallics, Angewandte Chemie Int. Ed., Chemistry – A European Journal, European Journal of Inorganic Chemistry, Dalton Transactions, New Journal of Chemistry, Journal of Inorganic Biochemistry, Journal of Molecular Structure, Molecules, Biomolecules, Journal of Biological Inorganic Chemistry, etc.

Memberships of scientific societies

2012 – 2023 Member of the American Chemical Society

Major collaborations

Prof. Dr. Peter Rapta, Spectroelectrochemical studies, DFT calculations of metal complexes with redox noninnocent ligands, Faculty of Chemical and Food Technology, Institute of Physical

Chemistry and Chemical Physics, Slovak University of Technology, Slovakia (34 joint publications)

Prof. Eva A. Enyedy, Solution studies, Department of Inorganic and Analytical Chemistry, University of Szeged, Hungary (26 joint publications)

Prof. Dr. Armando J. L. Pombeiro, catalytic oxidation of organic compounds, Centro de Química Estrutural, Institute of Molecular Sciences, Universidade de Lisboa, Portugal (20 joint publications)

Prof. Dr. Joshua Telser, EPR spectroscopy, Department of Biological, Physical and Health Sciences, Roosevelt University, USA (9 joint papers)

Prof. Dr. Dominque Luneau, Laboratoire des Multimatériaux et Interfaces (UMR5615), Université Claude Bernard Lyon 1, France (8 joint publications)

Overview of the researcher's most important projects in the last 5 years (max. 5)

Project name/identification	**Source of funding**	**Budget (EUR)**	**Project period**	**The role of the researcher in the project**
Chiroptical, optical and magnetic probes for protein sensing based on cage metal complexes (H2020-MSCA-RISE-2017, no. 778245)	European Commission	103.000,00	2018-2023	Main contributor from the University of Vienna
Noninnocent thiosemicarbazones/zonates as dual action drugs (I4729)	Austrian Science Fund (FWF)	406.665,02	2020-2024	Project leader
Metal complexes of indolo-quinolines, -benzazepines, -benzazocines and benzazonines (P31293-N37)	Austrian Science Fund (FWF)	387.339,45	2018-2023	Project leader
Novel antitumour derivatives with fluorescent label	First Advisory Trust, Lichtenstein	50.000,00	2019-2021	Project leader
Redox active metal complexes as catalysts for production of energetically rich materials (MULT 08/2020)	Multilateral Danube project (Austria, Czech Republic, Slovakia)	10.250,00	2020-2022	Main contributor from the University of Vienna

Overview of the researcher's most important outputs (max. 5)

Output name/identification	**Type of output** *(e.g., publication, dataset, software, patent, service, product, etc.)*	**Short description**	**The role of the researcher**
Entering phase 1 clinical trials with KP1019 as an anticancer drug	*Int. J. Clin. Pharmacol. Ther*. 2005, 12, 595-596.	Significant contribution to KP1019 preclinical development by scaling up the synthesis, maintaining the standards (purity and stability) required for compounds entering clinical trials	Main contributor
Preparation of potential drugs with dual anticancer and antimicrobial activity	*J. Med. Chem*. **2019**, 62, 512–530	Synthesis and biological evaluation of potential drugs with anticancer and antimicrobial activity with inhibition of R2 RNR as main biochemical mechanism were reported	Main contributor
Discovery of the copper(II) complexes with indolobenzazocines as microtubule destabilizing agents	*Dalton Trans*. 2023, 52, 9964–9982.	Highly antiproliferative copper(II) complexes with benzazocines were prepared. The mechanism of their activity is based on tubulin inhibition with no precedence in the literature	Coordinator
Discovery of high oxidation states metal complexes with open chain tetradentate ligands based on isothiosemicarbazides	*Inorg. Chem.* 1992, 31, 15, 3264–3268.	First iron(IV) complexes with pentan-2,4-dione bis(S-methylisothiosemicarbazones) have been prepared and characterised	Main contributor
Contribution to the "Template synthesis of macrocyclic compounds"	Book published by Wiley-VCH, Weinheim, Germany, 1999, 574 p. ISBN: 978-3-527-61381-6	Contribution to the theoretical background of template synthesis; first macrocyclic metal complexes based on ß-	Co-author

		diketones and isothiosemicarbazides were reported	

V. Arion