



Anna Krawczuk

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PERSONAL DATA

- + Born 08.08.1981, Tarnobrzeg, Poland
- + Nationality: polish
- + Gender: female

SCIENTIFIC INTEREST

- + Structure-property relationship
- + Synthesis and solid-state X-ray crystallography
- + Quantum crystallography
- + Solid-state luminescent materials
- + High-pressure studies towards generation/enhancement of physical properties
- + Mechanical and electrooptical properties of materials
- + Prediction of electric moments of metal complexes and biomolecules
- + Crystal engineering, polymorphism, hydrogen bonds

EMPLOYMENT

10.2020- present

JUNIOR PROFESSOR – Institut für Anorganische Chemie, Georg-August-Universität Göttingen, Göttingen, Germany (W1, non-tenure track)
+ 05.2023 – **Positive Zwischenevaluation**

09.2018- 11.2018

INVITED RESEARCHER – Cristallographie, Résonance Magnétique et Modélisations Laboratory, Université de Lorraine, Nancy, France

03.2012 – 09.2020

POST-DOC RESEARCH ASSOCIATE – Jagiellonian University, Krakow, Poland

10.2009 – 09.2020

ACADEMIC LECTURER – Podhale State Vocational University in Nowy Targ, Nowy Targ, Poland

2010- 2012

POST-DOC – University of Bern, Bern, Switzerland

2009 – 2010

RESEARCH ASSISTANT – Jagiellonian University, Krakow, Poland

2007 – 2008

CONTRACTOR – Pharmaceutical company Selvita S.A., Krakow, Poland
+ Optimization of crystallization conditions of potential dietary supplement to obtain high purity product

EDUCATION

PHD IN CHEMISTRY – Jagiellonian University, Krakow, Poland

- + Chirality in crystal structure in the view of optical activity and charge density studies
- + Supervisor: Prof. dr hab. Katarzyna Stadnicka
- + Project leader of grant of Polish Ministry of Science and Higher Education

2000 – 2005

MSC IN CHEMISTRY – Jagiellonian University, Krakow, Poland

- + Graph-set analysis of hydrogen-bond patterns in selected complex compounds
- + Supervisor: Prof. dr hab. Katarzyna Stadnicka

AWARDS

2021	TEAM AWARD FOR SCIENTIFIC ACHIEVEMENTS IN 2020 GRANTED BY THE RECTOR OF JAGIELLONIAN UNIVERSITY , Krakow, Poland
2020	AWARD FROM THE STRATEGIC PROGRAM OF THE EXCELLENCE INITIATIVE AT THE JAGIELLONIAN UNIVERSITY WITHIN THE PRIORITY ACTION OF THE SCIMAT RESEARCH AREA. Jagiellonian University, Krakow, Poland
2020	AWARD FOR HIGH QUALITY TEACHING GRANTED BY THE RECTOR OF JAGIELLONIAN UNIVERSITY , Jagiellonian University, Krakow, Poland
2016	AWARD FOR A CURRICULUM OF COSMETOLOGY STUDIES GRANTED BY THE RECTOR OF PODHALE STATE COLLEGE OF APPLIED SCIENCES IN NOWY TARG, POLAND Nowy Targ, Poland
2016	RIGAKU OXFORD DIFFRACTION PRIZE 7th European charge density meeting, Warsaw, Poland
2015	POSTER PRIZE 57th Polish Crystallographic Meeting, Wroclaw, Poland
2009	PHD DISSERTATION AWARD Council of Faculty of Chemistry, Jagiellonian University, Krakow, Poland
2009	DOCTORAL SCHOLARSHIP Malopolska Province, Poland

THIRD PARTY FUNDING

2023	PRINCIPAL INVESTIGATOR Beamtime allocated project CH-6811: "Tailoring solid-state luminescence of anthracene derivatives via high-pressure crystallography", ESRF Grenoble, Beamline ID15B
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2022-present	PROJECT LEADER Computing time, PL-GRID Infrastructure, Poland, Project: Structure-property correlation via quantum crystallography tools (plgqcred) (2 500 000 computing hours)
2017-2022	PROJECT LEADER Computing time, PL-GRID Infrastructure, Poland, Project: Charge density studies towards prediction of linear and non-linear optical properties (rhopolar1a-f) (40 000 000 computing hours)
2022-2023	PROJECT LEADER Project P074, Innovative Lehr- und Lernkonzepte: Innovation plus (2022/23) (~49 938 €)
2020-2023	INVESTIGATOR Project HRZZ IP-2019-04-4674 founded by Croatian Science Foundation (HRZZ) (~120 000 €)
2018-2021	PROJECT COORDINATOR project no. V4/125-«PAN»(Pologne)-DeM-253 within The Agreement on Scientific Cooperation between Polish Academy of Science and Fund for Scientific Research FNRS (F.R.S.-FNRS) – (The Wallonia-Brussels Federation of Belgium) (~ 31 000€)
2015-2019	INVESTIGATOR in research project (NCN 2014/15/D/ST5/02608) funded by Polish National Science Center (~116 000€)
2017	CO-APPLICANT for large research infrastructure: purchase of scientific and research equipment: Diffractometer system for advanced structural studies of single crystals. (~320044 €)
2015-2017	PROJECT LEADER project funded by Faculty Fund for Habilitation Projects (~ 18 000€)
2010-2012	JUNIOR RESEARCHER in SCIEX, Scientific Exchange Programme NMS-CH No. 10.083 / SNSF No. 141271 (~109 349€)
2005-2009	PRINCIPAL INVESTIGATOR in research project granted by Polish Ministry of Science and Higher Education (~15 000€)

ACHIEVEMENTS

- + H-index 12; citations 484 (without self-citation 414) (*Source: Web of Science, 10.2023*)
- + 51 publications in internationally recognized journals
- + 2 book chapters
- + 21 invited lectures
- + 4 invited faculty seminars
- + 71 conference abstracts (lectures + posters)
- + 2 developed software – PolaBer (www.polaber.eu), GruPol (to be released)
- + **Vice-chair** of Quantum Crystallography Special Interest Group **SIG2** of European Crystallographic Association, since August 2022
- + **Guest Editor** for special issue on “Charge density studies towards structure-property correlation” for *Journal of Molecular Structure*, 2020
- + Member of **Editorial Board** of *Journal of Molecular Structure*, since May 2022

- + **Scientific Committee** of 34th European Crystallographic Meeting in Padova, Italy, 2024
- + **Chairman** on microsymposium Advances in Quantum Crystallography, XXVI Congress and General Assembly of the International Union of Crystallography, Melbourne, Australia, 2023
- + **Organizing Committee** of Enlight Woskhop on *Observable Solvation Effects in Modern Research*, 10.2022, Göttingen
- + **Chairman** on microsymposium Structure-Property Relationships via Charge Density Methods, 32nd European Crystallographic Meeting, Vienna, Austria, 2019
- + **Tutor** at Erice School of Crystallography 52nd Course: Quantum Crystallography on *Distributed Atomic Polarizabilities with PolaBer*, Erice, Italy, 2018
- + **Chairman** on microsymposium "Charge density studies in crystal and cocrystal engineering" XXIV Congress and General Assembly of the International Union of Crystallography, Hyderabad, India, 2017
- + **Organizing Committee** of European Charge Density Meeting ECDM6, Strbske Pleso, Slovakia, 2012
- + **Co-organizer** of workshop on Chirality in crystal structures. Determination of absolute structure. Scientific Workshop of the Polish Crystallographic Society, Wroclaw, Poland, 2009

- + Reviewer for internationally recognized journals: *JCTC, Chem. Phys. Chem., Chem. Comm., Acta Cryst. A, B, C, IUCrJ, J. Mol. Struct., Cryst. Growth Des., CrystEngComm, ACS Omega, Crystals*
- + Outstanding Reviewer for *CrystEngComm* in 2018

- + EU Expert for the evaluation of proposals in the call HORIZON-MSCA-PF-2021
- + Expert for Polish National Agency of Academic Exchange in the Ulam Programme, 2022

- + Individual member of *European Crystallographic Association, German Chemical Association, German Crystallographic Association* and *Polish Crystallographic Association*

NON-SCIENTIFIC ACTIVITIES

- + Member of Equal Opportunities Team (Gleichstellungsteam) within the Faculty of Chemistry of University of Göttingen
- + *CyberMentor* for young females within the MINT (Mathematik, Informatik, Naturwissenschaft und Technik) initiative

LANGUAGES

- + Polish – mother language
- + English – proficient
- + German – completed A2 level (currently continuing B1.1)

ACADEMIC CONTACTS

- + **Prof. Piero Macchi**, Politecnico di Milano, Italy
e-mail: piero.macchi@polimi.it

- + **PD Dr. Julia Contreras-Garcia**, University of Sorbone, CNRS, Paris, France
e-mail: julia.contreras_garcia@sorbonne-universite.fr

- + **PD Dr. Alessandro Genoni**, University of Lorraine, Metz, France
e-mail: alessandro.genoni@univ-lorraine.fr

- + **Prof. Dietmar Stalke**, Georg-August Universität, Göttingen, Germany
e-mail: kwozniak@chem.uw.edu.pl