

Anna Krawczuk

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Bisherige Aktivität in der GDCh und der Fachgruppe

- aktive Teilnahme an nationalen und internationalen Konferenzen zur Förderung der chemischen Kristallographie
- aktive Teilnahme am „Ersten Doktorandenseminar in chemischer Kristallographie!“ in Regensburg im Oktober 2024

Meine Kandidatur

Als Vorstandsmitglied der GDCh-Arbeitskreises Chemische Kristallographie ist es mein primäres Ziel, das Fachgebiet der Kristallographie voranzubringen. Zu diesem Zweck möchte ich die Zusammenarbeit zwischen Forschern fördern und dazu beitragen, dass das Fachgebiet in der breiteren wissenschaftlichen Gemeinschaft eine höhere Sichtbarkeit erlangt. Es ist mein Bestreben, die erfolgreichen Bemühungen des vorherigen Vorstands im Bereich der Öffentlichkeitsarbeit fortzuführen und die Kristallographie innerhalb der chemischen Gemeinschaft weiter zu etablieren. Darüber hinaus ist es mein Ziel, zu demonstrieren, dass die Kristallographie ein integraler Bestandteil der Chemie ist und wertvolle Einblicke in das Gesamtgebiet der Chemie liefern kann. Ich engagiere mich für die Förderung von Innovationen in den Forschungsmethoden, die Etablierung einer Plattform für den Austausch von Wissen, die Unterstützung junger Wissenschaftlerinnen und Wissenschaftler sowie die Sicherstellung, dass unsere Arbeit sowohl in der wissenschaftlichen Entdeckung als auch in der praktischen Anwendung einen nachhaltigen Einfluss hat.

Kurzlebenslauf

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PERSONAL DATA

Born 08.08.1981, Tarnobrzeg, Poland

Nationality: polish

Gender: female

SCIENTIFIC INTEREST

Molecular synthesis of functional materials

Structure-property relationship

Chemical crystallography

Quantum and high-pressure crystallography

Crystalline luminescent materials

Prediction of electric moments of metal complexes and biomolecules

Crystal engineering, polymorphism, hydrogen bonds

EMPLOYMENT

10.2024 – present	ASSOCIATE PROFESSOR –Institut für Anorganische Chemie, Georg-August-Universität Göttingen, Göttingen, Germany (W2)
10.2020 – 09.2024	JUNIOR PROFESSOR –Institut für Anorganische Chemie, Georg-August-Universität Göttingen, Göttingen, Germany (W1, non-tenure track) 07.06.2023 – <i>Positive Zwischenevaluation</i>
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

2005 – 2009	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
2016	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

ACHIEVEMENTS

- + H-index 15; citations 719 (*Source: Google Scholar, 07.2024*)
- + 60 publications in internationally recognized journals
- + 2 book chapters
- + 24 invited lectures
- + 4 invited faculty seminars
- + 63 conference abstracts (lectures + posters)
- + 2 developed software – PolaBer (www.polaber.eu), GruPol (www.polaber.eu)

- + **Chair** of Quantum Crystallography Special Interest Group **SIG2** of European Crystallographic Association, since August 2024
- + **Vice-chair** of Quantum Crystallography Special Interest Group **SIG2** of European Crystallographic Association, 08.2022-07.2024
- + **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 Workshop 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*, *J. Chem. Cryst.*, *Small Methods*, *Coord. Chem. Rev.*, *Phys.Chem.Chem.Phys.*
- + Outstanding Reviewer for *CrystEngComm* in 2018

- + EU Expert for the evaluation of proposals in the call HORIZON-MSCA-PF-2021, 2024
- + Expert for French National Research Agency (ANR), 2020
- + Expert for Polish National Agency of Academic Exchange in the Ulam Programme, 2022
- + Individual member of *European Crystallographic Association*, *German Chemical Association (GDCh)*, *German Crystallographic Association (DGK)* and *Polish Crystallographic Association*

SUPERVISION ACTIVITIES

- + PostDocs: 2 (completed)
- + PhD students: 4 (ongoing)
- + Master students: 3 (ongoing) + 7 (completed)
- + Bachelor students: 2 (ongoing) + 10 (completed)

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
- + *Mentor* within Dorothea-Schlözer Mentoring Programme at the University of Göttingen
*Schnupperpraktikum Chemie für Schüler*innen der Jahrgänge 11 + 12*, Vorlesung „Warum einen Blick ins Innere werfen? Die verborgenen Geheimnisse der Kristallstrukturen!“, 10.2024

LANGUAGES

- + Polish – mother language
- + English – proficient
- + German – completed B1.1 level (currently continuing B1.2)