Institute of Organic Chemistry
Polish Academy of Sciences

Professor Dorota Gryko
Professor of Chemistry
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Dorota Gryko

Date of birth	08.03.1970
Nationality	Polish
Marital status	Married, one child

EDUCATION

University education in Chemistry

04/2008	Habilitation, Institute of Organic Chemistry, PAS
09/1997	Ph.D., with distinction, Institute of Organic Chemistry, PAS
06/1994	M.Sc., with distinction, Warsaw University, Chemistry Department

WORK

since 2016	Director of PhD Studies
2015	Full Professor at the Institute of Organic Chemistry, PAS, Warsaw, Poland. Research areas: organic chemistry, vitamin B_{12} chemistry, photocatalysis, Co-catalysis, pophyrinoid chemistry
08/2015	Titular Professor distinction granted by the President of Poland
2010-2015	Professor at the Institute of Organic Chemistry, PAS
since 11/2009	Research group leader at the Institute of Organic Chemistry, PAS http://ww2.icho.edu.pl/gryko_group
11/2009	Docent at the Institute of Organic Chemistry, PAS, Warsaw
2008-2009	Associate Professor at the Institute of Organic Chemistry, PAS, Warsaw
2003-2008	Adjunct at the Institute of Organic Chemistry, PAS, Warsaw,

EXPIRIENCE ABROAD

1998- 2000	Postdoc at the North Carolina State University, Raleigh, USA, J. Lindsey, **porphyrinoid chemistry**
2007	visiting researcher at the University of Texas at Austin, USA, J. L. Sessler (2007), **porphyrinoid chemistry**

SCIENTIFIC INTEREST

homogenous catalysis, photocatalysis, Co-catalysis, micellar catalysis, carbene chemistry, vitamin B_{12} chemistry and catalysis, vitamin B_{12} as a delivery vehicle

AWARDS

1. Award of the PRIME MINISTER of the Polish Government in 1998 for the Ph.D. thesis
2. Award of the Director of the Institute of Organic Chemistry PAS for Scientific Achievements in 2018.
3. Maria Curie Prize (UMCS Lublin) in 2019 for "The discovery of new biological properties of porphyrins in the fight of nosema'
4. Award of the Director of the Institute of Organic Chemistry PAs for Scientific Achievements in 2019

5. Award of the Minister of Science and Higher Education for Outstanding Achievements in science in 2019
6. Award of the Director of the Institute of Organic Chemistry PAS for Scientific Achievements in 2020
7. Award of the Director of the Institute of Organic Chemistry PAS for Scientific Achievements in 2021
8. Award of the Polish Chemical Society, Świętosławskiego Prize (I stage) in 2023
9. Award of the Director of the Institute of Organic Chemistry PAS for Scientific Achievements in 2023
10. Award of the Director of the Institute of Organic Chemistry PAS for Scientific Achievements in 2024
11. Award of the Director of the Institute of Organic Chemistry PAS for Scientific Achievements in 2025
12. The Foundation for Polish Science Prize 2025

MEMBER

1. Polish Chemical Society
2. Warsaw Scientific Society
3. Scientific Council of the Institute of Organic Chemistry PAS
4. Scientific Council of the Institute of Physical Chemistry PAS
5. Editorial board of the *Journal of Porphyrins and Phthalocyanines* since d 2018,
6. Advisory board member of the *Reaction Chemistry & Engineering* since 2019
7. Advisory board member of the *Asian Journal of Organic Chemistry* since 2021
8. Advisory board member of the *European Journal of Organic Chemistry* since 2023
9. Editorial board member of the *SynOpen* since 2023

SCIENTIFIC COLLABORATIONS

Dr Michel Doyle - University of Texas at San Antonio, USA
Dr Martin Andersson - Center for Integrative Petroleum Research, King Fahd University of Petroleum and Minerals
Dr Lior Elbaz - Bar-Ilan University, Israel
Dr Wojciech Chaładaj – Institute of Organic Chemistry PAS, Poland
Dr Burkhard Köning – University of Regensburg, Germany
Dr Katarzyna Zawada – Medical University of Warsaw, Poland
Dr Amy Palmer – University of Colorado, Boulder, USA
Dr Mariusz Trytek – Maria Curie-Skłodowskia University, Poland
Dr hab. Joanna Trylska - Centre of New Technologies *of the University of Warsaw*
Dr Robert P. Doyle – Syracuse University, Syracuse, USA
Dr Yoshio Hisaeda – Kyushu University, Kyushu, Japan
Dr Karl Kadish – University of Houston, Houston, USA

PEER-REVIEW PUBLICATION RECORD

Author of:

- 140 original papers
- 11 reviews (***Account. Chem. Res***., ***Chem. Soc. Rev***., ***Chem. Rev., ACS Catal., Chem. Catal., J. Porphyrins Phtalocyaninces, Tetrahedron Reports, Asian J. Org. Chem***., ***Org. Biomol. Chem., Chem Commun.)*** concerning vitamin B_{12}, asymmetric synthesis, photocatalysis, homogenous catalysis;
- 6 book chapters

1. D. Gryko, D. Walaszek, '*C-C Bond Formation by Aldol Reaction*'; Chapter 3. pp. 81-129 in ***'Stereoselective Organocatalysis'***, Ed. Ramon Rios Torres, Wiley, 2013;
2. M. Ociepa, D. Gryko, ***'Cobalt Radical Chemistry in Synthesis and Biomimetic Reactions'*** in Hapke, Hilt (Eds.): ***Cobalt Catalysis in Organic Synthesis. Methods and Reactions.***
3. K. Goliszewska, K. Orłowska, D. Gryko**,** *Sulfur Heterocycles*, in *Photoorganocatalysis in Organic Synthesis,* Ed. M. Fagnoni, World Scientific Publishing Company
4. Rybicka-Jasińska, K., Gryko, D. *Porphyrins as photocatalysts in organic photoredox transformations* in **Photochemistry** 49, pp. 411-456, RCS
5. A. Wierzba, M. Wojciechowska, J. Trylska, D. Gryko *Vitamin B_{12} – Peptide Nucleic Acid Conjugates* in ***Peptide Conjugation Methods and Protocols***, Ed. W. M. Hussein, R. J. Stephenson, I. Toth, Springer Protocols Methods, reactions and synthetic applications
6. J. Milton, D. Gryko ***Heterocycles from Carbenes and Nitrenes*** *in* Topics in heterocyclic chemistry 59, Edited by M.P. Doyle, X. Xu, Springer, 2023.

- > 7409 (Google Scholar) citations without self-citations:
- Hirsch H-index = 34 (Web of Science), H-index = 44 (Google Scholar)
- Additional information at: https://ww2.icho.edu.pl/Gryko_group

Patents

1. J. Li, D. Gryko, J.S. Lindsey *'Substrates Carrying Polymers of Linked Sandwich Coordination Compounds and Methods of Use Thereof'* US 6,451,942B1; US 6,777,516B2 NCSU 00-26, Sibley 5051.484 7.12.2007 filed US
2. Gryko, D.; Chromiński, M. *'Pochodne witaminy B_{12} i sposób ich otrzymywania'* 2012, PL400265
3. M. Trytek, A. Ptaszyńska, D. Gryko, G. Borsuk *'Preparat do zastosowania w leczeniu mikrosporydiaz, zwłaszcza nosemozy u pszczół'* 2014, P.408774
4. Palmer, A. E., Braselmann, E., Batey R.T. Gryko *'Compositions and methds for tagging ribonucleic acids'* – 11,155,821, Oct 26, 2021, USA

SELECTED INVITED LECTURES AT CONFERENCES > 90

SELECTED LECTURES AT UNIVERSITIES > 50

TEACHING ACTIVITIES

Supervisor in doctoral dissertations: **19**

PhD students: **8**

Master student supervised **>29**

Buchelor scientific advisor **>20**