Warsaw-4-PhD
Warszawska Szkoła Doktorska
Nauk Ścisłych i BioMedycznych

15.09.2026

Results of the second admission round to the Warsaw4PhD Doctoral School of academic year 2026/2027

Candidates admitted to the School

Institute of Organic Chemistry of the Polish Academy of Sciences

Keshav Semwal
Project 2.1 Unlocking Access to New Bioisosteric Motifs: Radical Reactions and Reagents for the Incorporation of NCF3 and NCF2H Functional Groups

Kacper Dąbrowski
Project 2.2 Red and Near-Infrared Boron-Containing TADF Emitters

Bhagirath Dey
Project 2.3 Interfacial Photoelectrochemistry for Modern Organic Synthesis - development of transformations based on (photo)-oxidation

Institute of Physical Chemistry of the Polish Academy of Sciences

Paulina Brusik
Project 3.1 Catalytic Ortho–Para Hydrogen Conversion in NMR Spectroscopy: Implications for NMR Line Shape

No candidate
Project 3.2 Design and synthesis of selective catalysts for hydrocyanation reactions assisted by machine learning methods

No candidate
Project 3.3 Computer simulations of transient absorption spektra

Noman Yousaf
Project 3.4 Multiscale Modelling of Metabolite Channeling: Physiological Insights and Optimization of Enzyme Cascades

Alaa Murrar
Project 3.5 Multiscale Modelling of Confined Enzyme Cascades in Nanocages

No candidate
Project 3.6 Non-invasive Optical Imaging of retinal ganglion cells

No candidate
Project 3.7 Using dynamic electrochemical techniques to acquire comprehensive insights into the parameters governing the properties of aptamer-based sensors

Shah Zeb
Project 3.8 Integrated phage display platform for the discovery of single-domain antibodies for molecular detection and PPI interaction inhibition

No candidate
Project 3.9 New catalytical protocols of conductive polymer synthesis and application of these polymers in chemosensing

Mikołaj Tkotz
Project 3.10 Bleomycin-Inspired Molecular Constructs for DNA Damage in Cancer Therapy

Alberto Picardi
Project 3.11 Self-assembly of amphiphilic peptides within the cancer cellular membrane

Daniel Fernández Menéndez
Project 3.12 Development of Molecular and Supramolecular Tools to Exploit Human Copper(I) Homeostasis for Cancer Therapeutics

Jakub Sęk
Project 3.13 Global thermodynamics of systems with nonuniform temperature

Joanna Piotrowska
Project 3.14 A new approach for gene delivery into retinal bipolar cells

No candidate
Project 3.15 Non-Toxic Silver Chalcogenide Colloidal Quantum Dots for Printable Flexible IR Detectors

No candidate
Project 3.16 Covalent organic frameworks exhibiting thermally activated delayed fluorescence

No candidate
Project 3.17 Development of New Hole and Electron Transporting Organic Materials in Inverted Perovskite Solar Cells

Emilia Sumińska
Project 3.18 Seasonal dynamics of atmospheric aerosol composition and pollution sources in urban and suburban environments

Mishal Dar
Project 3.19 Tire-Derived Organic Pollutants as Drivers of Airway Epithelial Toxicity

Nuttawut Khammata
Project 3.20 Viral Protection through Advanced Polymeric Excipients for Biomedical Applications

Aleksander Piasecki
Project 3.21 Data-Driven and AI-Supported Methods in Physical Chemistry and Materials Chemistry

Iqra Tanvir
Project 3.22 Structural and Redox Activity Studies of Copper(II) and Zinc(II) Complexes with β-Amyloid Peptide Mutants

Bartosz Cybulski
Project 3.23 Optimization of a bioreactor for cultured meat production using computer simulations, with particular focus on porous medium evolution

Günay Babayeva
Project 3.24 Atomic-Scale Synergy - Engineering Cooperative Effects in Zeolite-Anchored Bimetallic Sites for Dry Reforming of Methane

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Institute of Physics of the Polish Academy of Sciences

Lovepreet Singh
Project 4.1 Multichannel spectroscopy of single lead halide perovskite nanocrystals (experimental)

Center for Theoretical Physics of the Polish Academy of Sciences

Jan Calvi
Project 5.1 Conformal and projective geometry in general relativity

Institute of High Pressure of the Polish Academy of Sciences

Szymon Lach
Project 6.1 Epitaxy of InGaN superlattices on relaxed, porous GaN substrates

Gouri Sankar Biju
Project 6.2 Nitride superlattice lasers: design strategies for ultra-high external quantum efficiency

Bartłomiej Dominik Baur
Project 6.3 Growth of hBN crystals from metal solutions under high N2 pressure – modeling the thermodynamic properties of Me-B-N systems and experimental verification

Maria Sklodowska-Curie National Research Institute of Oncology

Archana Hijam
Project 7.1 Investigating microenvironment and sub-clonal heterogeneity of MuM upon progression

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International Institute of Molecular and Cell Biology in Warsaw

Sebastian Machera
Project 9.1 RNA biology at the phage–bacteria interface (NCN/OPUS)

Niharika Rai
Project 9.2 Dynamics of RNA-degrading complexes in bacteria (NCN/SONATA BIS)

Maciej Orski-Hryc
Project 9.3 Data-driven Methodology for Predicting, Explaining, and Understanding of RNA and Small Molecule Ligand Binding (NCN/OPUS)

No candidate
Project 9.4 Compartment-specific ups dysfunction in neurodegenerative disease mutations (NCN/SONATA BIS)

No candidate
Project 9.5 Mechanistic and structural studies of adenoviral DNA replication (NCN/OPUS)

Iwona Pasionek
Project 9.6 mRNA-modifying enzymes in mammalian hormonal systems: from cell models and transgenic mice to human genetics