



**Recruitment results to the Warsaw PhD School
of Natural and BioMedical Sciences [Warsaw-4-PhD]**

Candidates admitted to School:

The Nencki Institute of Experimental Biology of the Polish Academy of Sciences

1. Szczepańska Ludwika

Project 7.10 Social sharing of emotions in semi-natural settings of the Eco-HAB system [dr hab. Ewelina Knapska]

2. Olszewska Alicja

Project 7.6 The time course of neuronal plasticity underlying learning in humans—a longitudinal sMRI study [dr hab. Artur Marchewka]

3. Żochowska Anna

Project 7.13 Prioritized self-referential processing: effects of familiarity and emotional relevance [prof. dr hab. Anna Nowicka]

4. Bielski Krzysztof

Project 7.11 Neuronal background of symptoms heterogeneity in tuberous sclerosis [dr hab. Ewelina Knapska/dr hab. Iwona Szatkowska]

5. Protokowicz Karolina

Project 7.7 The use of induced stem cells for studies on synaptic plasticity [prof. dr hab. Leszek Kaczmarek]

6. Krawczyk Katarzyna

Project 7.12 Identification and characterisation of genetic and epigenetic bases of astrocyte identity and functions [dr Aleksandra Pękowska]



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Warszawska Szkoła Doktorska
Nauk Ścisłych i BioMedycznych

7. Gaca Maciej

Project 7.5 The time course of neuronal plasticity underlying learning in humans—a longitudinal fMRI study [dr hab. Artur Marchewka]

8. Sirocka Iwona

Project 7.7 Influence of inflammatory processes on synaptic plasticity [prof. dr hab. Leszek Kaczmarek]

9. Samsel Zuzanna

Project 7.2 Identification of enzymatic proteins of central pair apparatus and the analysis of their role in regulation of ciliary beating [dr hab. Dorota Włoga/dr Ewa Joachimiak]

10. Danielewski Konrad

Project 7.9 The prefrontal cortex in social buffering [dr hab. Ewelina Knapska]

The Institute of Organic Chemistry of the Polish Academy of Sciences

1. Sosnowska Aleksandra

Project 1.1 Carbodi- and trifluoromethylation of alkynes and alkenes through sequential carbometalation and fluoroalkylation [dr Wojciech Chałada]

2. Rallabandi Jithender

Project 1.2 Nanozymes: Hybrid, nanoparticle-based catalysts exhibiting long-range substrate selectivity [prof. dr Bartosz Grzybowski]

3. Nalepa Paula

Project 1.4 Synthesis of curved derivatives of acenes - towards bottom-up synthesis of zig-zag carbon nanotubes [dr Marek Grzybowski]

4. Grodek Piotr

Project 1.5 Flow phase-transfer catalysis under high pressure [prof. dr hab. Janusz Jurczak]



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Warszawska Szkoła Doktorska
Nauk Ścisłych i BioMedycznych

5. Mrozowicz Michał

Project 1.7 New N-heterocyclic carbene gold complexes: from catalytic activity to medical applications [dr Michał Michalak]

6. Śniady Katarzyna

Project 1.7 New N-heterocyclic carbene gold complexes: from catalytic activity to medical applications [dr Michał Michalak]

The Institute of Physical Chemistry of the Polish Academy of Sciences

1. Quayyum Abdul

Project 2.1 Understanding the mechanism of lignin-based model molecules selective conversions to phenolics via ultrasound-assisted heterogeneous photocatalysis [dr hab. inż. Juan Carlos Colmenares Quintero, prof. IChF PAN]

2. Jarosińska Elżbieta

Project 2.2 3D scaffolds with integrated multielectrode measurement setup for cell culture and pharmaceutical applications [dr inż. Emilia Witkowska Nery / dr hab. Martin Jonsson-Niedziółka]

3. Karpińska Aneta

Project 2.7 Studies on internalization of chemical and biological molecules into living cells [prof. dr hab. Robert Hołyst/dr inż. Karina Kwapiszewska]

4. Kijewska Alicja

Project 2.9 Studies on cellular nanoviscosity during cell death [prof. dr hab. Robert Hołyst/ dr inż. Karina Kwapiszewska]

5. Ahmad Shakeel

Project 2.10 Novel microfluidic-based methods for Antibiotic Susceptibility Testing of bacterial pathogens at a single cell level [prof. dr hab. Piotr Garstecki/ dr Ladislav Derzi]

6. Garguliński Paweł

Project 2.11 High throughput screening of microbial heteroresistance in Gram-negative and Gram-positive bacteria with droplet microfluidics [prof. dr hab. Garstecki Piotr/dr Ladislav Derzi]

7. Bilgen Muge

Project 2.12 Quantitative, label-free and real-time monitoring of bacterial growth in nanoliter droplets [prof. dr hab. Garstecki Piotr/ dr Ladislav Derzi]

8. Rosmini Consolato

Project 2.13 Synthesis and application of conductive polymers for electrosensing and electrocatalysis [prof. dr hab. Włodzimierz Kutner / dr Piyush Sindhu Sharma]

9. Ganesan Elavenil

Project 2.15 Uncovering the photochemistry and spectroscopy of unusual phosphalkynes, nitriles, and related molecules of astrochemical significance [prof. dr hab. Robert Kołos]

10. Biały Maciej

Project 2.16 Spatial organization of metallic nanowires for sensor applications [dr hab. inż. Joanna Niedziółka-Jonsson, prof. IChF]

11. Devadas Sharat

Project 2.17 New photostable fluorophores [prof. dr hab. Jacek Waluk]

12. Amirsalari Abdolvahab

Project 2.18 Surface-enhanced Raman scattering angular directionality imaging - the development of the method and the application in single-molecule on single nanoantenna studies [prof. dr hab. Jacek Waluk/ dr Sylwester Gawinkowski]

13. Krześniak Andrzej

Project 2.19 Optical analysis of products of electrochemical processes in picolitre volumes [dr Martin Jonsson-Niedziółka, Prof. IPC/ dr Mateusz Śmietana, Prof. WUT]



14. Chaparro Diego

Project 2.20 Development of new embedding schemes for accurate quantum chemical calculations for reactions on metallic surfaces [dr hab. Adam Kubas]

15. Opała Karolina

Project 2.21 Synthesis of novel molecular homo- and heterometallic building blocks as MOFs□precursors [prof. dr hab. inż Janusz Lewiński]

16. Zielonka Karolina

Project 2.22 Single-molecule sensors based on DNA origami and 2D materials [prof.dr hab. Jacek Waluk / dr Izabela Kamińska]

The Institute of Physics of the Polish Academy of Sciences

1. Carvalho Pedro

Project 3.1 Molecular dynamics of intrinsically disordered proteins and their aggregates [prof. dr hab. Marek Cieplak]

2. Golletz Weronika

Project 3.3 Quantum droplets from first principles [dr hab. Piotr Deuar]

3. Arbabi Soheil

Project 3.4. Multiscale Simulation of Surfactant-Laden Droplets [dr Panagiotis Theodorakis / dr hab. Piotr Deuar]

4. Włodzyński Damian

Project 3.5 Dynamical consequences of interactions in systems of a few ultra-cold atoms of different mass [dr hab. Tomasz Sowiński]

5. Chamoli Somesh

Project 3.6 Excited state spin dynamics in molecules with donor-acceptor structure [dr hab. Jerzy Karpiuk]

6. Adhikari Abinash

Project 3.8 Quantum structures based on CdMgO and ZnCdO alloys
[dr hab. Ewa Przeździecka]

7. Balakrishna Vasanth

Project 3.12 Microphysics of Coulomb explosions [dr hab. inż. Daniel Jakubczyk / prof. dr hab. Maciej Kolwas]

8. Kumar Sathish

Project 3.16 Dynamics of Majorana fermions coupled to environments
[dr Mircea Trif / prof. dr hab. Tomasz Dietl]

9. Hussain Ghulam

Project 3.17 Magnetic impurities in topological materials - computer simulations [prof. dr hab. Tomasz Dietl / dr Carmine Autieri]

10. Moosarikandy Arathi

Project 3.18 Nano Structuring Topological Quantum Materials and Their Study Using Transport and Magnetodynamic Techniques [prof. dr hab. Tomasz Dietl / dr Vinayak Bhat]

11. Dikande Bitha Rodrigues

Project 3.19 Topological effects in condensed matter systems
[dr Timo Hyart / dr hab. Wojciech Brzezicki]

12. Khaliq Abdul

Project 3.20 Properties and interactions of group IV-VI semiconductor multiferroics [dr hab. Łukasz Kilański]

13. Zajkowska Wiktoria

Project 3.29 TEM in-situ investigations of thermal structural transition
[dr hab. Piotr Dłużewski]

14. Bahl Tanya

Project 3.35 Structural and elastic properties of multicomponent lanthanide based borates [dr hab. Jerzy Pełka / dr Roman Minikayev]



Warsaw-4-PhD

Warszawska Szkoła Doktorska
Nauk Ścisłych i BioMedycznych

The Center for Theoretical Physics of the Polish Academy of Sciences

1. Ramberg Nicklas

Project 4.1 VErTIGO - VElocities Testing Gravity and cOsmology
[dr Wojciech Hellwing]

The Institute of High Pressure Physics of the Polish Academy of Sciences

1. Szoła Maria

Project 5.8 Terahertz plasma instabilities in Dirac matter
[prof. dr hab. Wojciech Knap]

2. Emadi Fahimeh

Project 5.9 Semiconductor nitride light emitters with polarization doping
[prof. dr hab. Piotr Perlin]

The Maria Skłodowska-Curie Institute – Oncology Center

1. Piotrowska Aleksandra

Project 6.1 Deciphering molecular mechanism of CDK8 kinase inhibitors action in acute myeloid leukemia [dr hab. Michał Mikula]

2. Kieroń Marcelina

Project 6.1 Deciphering molecular mechanism of CDK8 kinase inhibitors action in acute myeloid leukemia [dr hab. Michał Mikula]

3. Młodzik Natalia

Project 6.2 Gut microbiota dependent modulation of therapeutic response and side effects to Irinotecan and new camptothecin analogues [Prof. dr hab. med. Jerzy Ostrowski]

4. Potyrała Patrycja

Project 6.4 Evaluation of molecular testing for the high risk human papilloma virus (HPV HR) as a new screening test for the cervical cancer prevention program in Poland [dr hab. n. med. Andrzej Nowakowski, prof. instytutu]



The International Institute of Molecular and Cell Biology in Warsaw

1. Kwiatkowska Monika

Project 8.1 Identification of novel long noncoding RNAs in zebrafish
[dr Barbara Uszczyńska-Ratajczak]