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

Results of the third admission to the Warsaw4PhD Doctoral School

Candidates admitted to the School

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

1. **Kamal Sadia**
   Project 1.2. Deep learning techniques in the studies of cortical circuitry remodeling following damages to the primate visual cortex [Piotr Majka, Ph.D./prof. Daniel Wójcik, Ph.D., D.Sc.]

2. **Kapłon Roksana**
   Project 1.3. Harnessing gut microbiota-derived metabolites to combat acute respiratory distress syndrome [Tomasz Wypych, Ph.D./prof. Katarzyna Kwiatkowska, Ph.D., D.Sc.]

3. **Ahmadi Salman**
   Project 1.4 N-DRC proteins in cilia beating regulation and primary ciliary dyskinesia etiology [Dorota Włoga, Ph.D., D.Sc.]

4. **Majhi Sumita**
   Project 1.4. N-DRC proteins in cilia beating regulation and primary ciliary dyskinesia etiology [Dorota Włoga, Ph.D., D.Sc.]

5. **Afolayan Samuel**
   Project 1.5. Coming together - the neural dynamics of transition from out-group reserve to in-group fellowship [prof. Ewelina Knapska, Ph.D., D.Sc./ Alicja Puścian, PhD.]

6. **Garbacz Bartłomiej**
   Project 1.6. Analysis of the fusion properties of the fragments of RSV (respiratory syncytial virus) and HPIV (human parainfluenza viruses) [prof. dr hab. Jakub Włodarczyk /Remigiusz Worch, Ph.D.]

7. **Podolecka Wiktoria**
   Project 1.7. Mechanisms underlying ketamine-induced high frequency oscillations in the rodent olfactory system [Mark J Hunt, Ph.D., D.Sc.]

8. **Orłowski Paweł**
   Project 1.8. Self-awareness and processing of emotions in regular users of classic psychedelics [Michał Bola, Ph.D., D.Sc.]

The Institute of Organic Chemistry of the Polish Academy of Sciences

1. **Sheth Shrenik**
   Project 2.7. Chemoenzymatic cascades of new Cu reactions of significant application potential [prof. Ryszard Ostaszewski]

The Institute of Physical Chemistry of the Polish Academy of Sciences

1. **Singh Rahul**
   Project 3.1. Assembly of particle chains based on dielectrophoretic, magnetic and capillary effects [prof. Robert Hołyst / K. Giżyński]

2. **Hasanzadeh Azar Mahdi**
   Project 3.2. Probing the structure–property relationships in single-crystalline lead halide perovskites for photodetector applications [Daniel Prochowicz]

3. **Viswanath Abhishek**
   Project 3.3. Artificial intelligence-assisted 3D digital manufacturing of functionally graded materials: towards the next generation of porous materials [prof. Piotr Garstecki / dr Marco Costantini]

4. **Tirelli Maria Celeste**
   Project 3.3. Artificial intelligence-assisted 3D digital manufacturing of functionally graded materials: towards the next generation of porous materials [prof. Piotr Garstecki / dr Marco Costantini]

5. **Aleksandra Zasada**
   Project 3.4. Controlling regioselectivity of catalytic transfer hydrofunctionalization reactions by non-covalent interactions [Volodymyr Sashuk / Dawid Lichosyt]

6. Okołowicz Adrian

Project 3.5. Nanoengineering of multicomponent metal-free carbonaceous materials for biooil upgrading through ultrasound-assisted selective redox photo-catalysis in continuous-flow reactors [dr hab. inż. Juan Carlos Colmenares Q.]

7. Michalski Jarosław

Project 3.6. Horizon for Excellence in messenger RNA applications in immunoOncology: Quantitative analysis of mRNA in cells [prof. dr hab. Robert Hołyst / dr inż. Karina Kwapiszewska]

The Institute of Physics of the Polish Academy of Sciences

1. Mishra Shakshi

Project 4.2. Study of the effect of the nanostructured periodic nanomagnet lattices on magnon-photon coupling, project 1 (experimental) [Prof. Tomasz Dietl / Dr. Vinayak Bhat]

2. Nadeem Sarah

Project 4.3. Study of the effect of the nanostructured quasicrystal nanomagnet lattices on magnon-photon coupling, project 2 (experimental) [Prof. Tomasz Dietl / Dr. Vinayak Bhat]

3. Zakar Sana

Project 4.5. Properties and interactions of group IV-VI semiconductor multiferroics (experimental) [dr hab. Łukasz Kilański / dr Beata Brodowska]

4. Burnos Jakub

Project 4.6. Rocksalt (MgZn)O alloys and (MgZn)O/MgO quantum structure and their application in deep-ultraviolet light-emitters (experimental) [prof. Henryk Teisseyre]

5. Thekkekara Sreelakshmy

Project 4.7. MBE growth and characterization of oxide heterostructures for photovoltaic applications (experimental) [dr hab. Ewa Przeździecka]

6. Narayanan Saranya

Project 4.11. Impact of chemically and physically-induced structural phase transitions on optical properties of inorganic perovskites (experimental) [prof. dr hab. Andrzej Suchocki/ dr hab. Agata Kaminska]

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

1. **Kawka Karol**
   Project 6.1. Ab initio modeling of point defects in III-nitride semiconductors [Prof. Michał Boćkowski / Dr. Paweł Kempisty]

2. **Ullah Zaka**
   Project 6.2. Terahertz Metasurfaces for Detection of Viruses and Other Biological Substances [prof. Wojciech Knap / dr Maciej Sakowicz]

The International Institute of Molecular and Cell Biology in Warsaw

1. **Karimi Terry**
   Project 9.3. Ten eleven translocation 2 (TET2) in acute myeloid leukemia [prof. Matthias Bochtler]

2. **Amini Razieh**
   Project 9.4. Experimental analysis of molecular determinants involved in epilepsy (NCN/OPUS) [prof. Jacek Kuźnicki / Vladimir Korzh, PhD]

Przewodniczący Rady Dyrektorów
Warszawska Szkoła Doktorska
Nauk Ścisłych i BioMedycznych
Prof. dr hab. Agnieszka Dobrzyń