



## **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. Kaplon 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. Thekkara Sreelakshmy**

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

## **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 Sahoo / dr hab. Agata Kaminska]



## 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

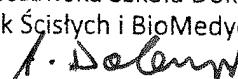
### 1. Karimi Terry

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 Dobrzańska