



**Warsaw-4-PhD**

Warszawska Szkoła Doktorska  
Nauk Ścisłych i BioMedycznych

## **Results of the I admission round to the Warsaw4PhD Doctoral School**

### **Candidates admitted to the School**

#### **Nencki Institute of Experimental Biology of the Polish Academy of Sciences**

**1. Rubczyńska Joanna**

Project 1.1. Metabolic alterations in obesity and their pharmacological attenuation  
[Prof. Mariusz Więckowski, PhD Dsc.]

**2. Aparupa Amisha**

Project 1.5. Central amygdala neuronal circuits mediating social and food rewards –  
functional analysis [Prof. Ewelina Knapska, PhD Dsc.]

**3. Alves de Araujo João Pedro**

Project 1.8. Identification of crucial players controlling changes in gene regulation in  
glioma-associated myeloid cells during murine glioma progression [Prof. Bożena  
Kamińska-Kaczmarek, PhD Dsc. / Michał Dąbrowski, PhD Dsc.]

**4. Ünlü Galip**

Project 1.9. Neuronal mechanisms of compulsive alcohol seeking [Prof. Katarzyna  
Radwańska, PhD Dsc.]

**5. Huang Kamil**

Project 1.11. Reward-driven synaptic plasticity of central amygdala projections [Anna  
Beroun, PhD]

**6. Mahadeokar Nupur**

Project 1.11. Reward-driven synaptic plasticity of central amygdala projections [Anna  
Beroun, PhD]

## Institute of Organic Chemistry of the Polish Academy of Sciences

### 1. Kollayi Vidhu

Project 2.1. Peptide-based luminescent coordination capsules and cages [Prof. Agnieszka Szumna, PhD Dsc.]

### 2. Godlewski Bartosz

Project 2.2. Synthesis of stable triphenylmethine radicals with strong emission in the NIR-II region [Prof. Daniel Gryko, PhD Dsc.]

### 3. Backer Nabeel

Project 2.3. Synthesis of stable helical radicals [Prof. Daniel Gryko, PhD Dsc.]

### 4. Petrykowski Wojciech

Project 2.5. Design of non-planar radicals emitting in NIR-II region [Prof. Daniel Gryko, PhD Dsc.]

### 5. Piasecka Katarzyna

Project 2.6. Ambipolar, bowl-shaped polyaromatic compounds with manifold, precisely arranged, nitrogen dopants. Unprecedented class of efficient OLED emitters (BOWLEDs) [Prof. Daniel Gryko, PhD Dsc. / Marcin Lindner, PhD]

### 6. Rathi Anjali

Project 2.7. Palladium-catalyzed cascades for the rapid and enantioselective construction of polycyclic scaffolds of alkaloids by dearomative Heck reactions [Rafał Loska, PhD Dsc.]

### 7. Biswas Nandita

Project 2.8. Chiral hybrids of quinones and quinols with double anticancer and antimicrobial activity against drug-resistant pathogens as potential agents in hospitalization of cancer treatment [Prof. Ryszard Ostaszewski, PhD Dsc.]

### 8. Powała Antoni

Project 2.9. BLUE and RED LIGHT – a tool for organic and biomolecular chemistry [Prof. Dorota Gryko, PhD Dsc.]



**Warsaw-4-PhD**

Warszawska Szkoła Doktorska  
Nauk Ścisłych i BioMedycznych

## Institute of Physical Chemistry of the Polish Academy of Sciences

### 1. Pajouhande Maede

Project 3.1. Microfluidic-assisted bioprinting with artificial intelligence tools: towards an atlas for modelling in vitro human biology [Prof. Maciej Wojtkowski, PhD Dsc. / Marco Costantini, PhD]

### 2. Przerwa Michał

Project 3.3. Interactions mediated by fluctuating medium in and out-of equilibrium [Prof. Anna Maciołek, PhD Dsc.]

### 3. Moczulska Sara

Project 3.6. Single-atom catalysts on functional carbon materials for the continuous-flow (SUCCESS) [Anna Śrębowata, PhD Dsc. / Adam Augustyniak, PhD]

### 4. Rybińska Weronika

Project 3.6. Single-atom catalysts on functional carbon materials for the continuous-flow (SUCCESS) [Anna Śrębowata, PhD Dsc. / Adam Augustyniak, PhD]

### 5. Kaliszewska-Kozak Marzena

Project 3.7. Photoswitching under dual confinement: a new strategy for the light regulation of functional host-guest systems [Volodymyr Sashuk, PhD Dsc.]

### 6. Skała Karolina

Project 3.8. Photophysics and bimolecular reactions of metal nanoclusters [Gonzalo Manuel Angulo Núñez, PhD Dsc. / Marcin Pastorczak, PhD]

### 7. Dutkiewicz Natalia

Project 3.9. The origin and photophysical properties of the lowest triplet state of porphyrin derivatives and their applications in biology [Prof. Jacek Waluk, PhD Dsc. / Aleksander Gorski, PhD]

### 8. Sadrara Saman

Project 3.10. Study of spatiotemporal dynamics of ultrafast fiber lasers [Yuriy Stepanenko, PhD Dsc. / Katarzyna Krupa, PhD Eng.]

### 9. Azimaee HamidReza

Project 3.11. Redox processes in nanoscale [Prof. Marcin Opałło, PhD Dsc. / Wojciech Nogala, PhD]



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

#### **10. Hejduk Patrycja**

Project 3.12. Application of the molecularly imprinted polymer films in electrochemical surface plasmon resonance based sensing [Piyush Sindhu Sharma, PhD Dsc. / Maciej Cieplak, PhD Eng.]

#### **11. Łuczkiwicz Kamil**

Project 3.13. Spatial Determinants of Immunotherapy Resistance in Cancer [Prof. Bożena Kamińska-Kaczmarek, PhD Dsc. / Marcin Tabaka, PhD]

#### **12. Kapuściński Filip**

Project 3.14. Synthesis of core-shell nanoparticles for chemosensing and electrosynthesis [Piyush Sindhu Sharma, PhD Dsc.]

#### **13. Owczarska Julia**

Project 3.15. Application of the molecularly imprinted polymer-based sensors in pharmacokinetic studies of the selected antiviral drugs [Piyush Sindhu Sharma, PhD Dsc. / Krzysztof Noworyta, PhD Eng.]

### **Institute of Physics of the Polish Academy of Sciences**

#### **1. Teske Marek**

Project 4.2. Quantum correlations in multi-component few-fermion mixtures (theoretical) [Prof. Tomasz Sowiński, PhD Dsc.]

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

#### **1. Peret Karolina**

Project 6.1. GaN-based light emitters obtained by plasma-assisted MBE [Henryk Turski, PhD Dsc.]

#### **2. Maj Zofia**

Project 6.2. Single photon sources based on InAlGaN structures grown by plasma-assisted MBE [Prof. Czesław Skierbiszewski, PhD Dsc.]



**Warsaw-4-PhD**

Warszawska Szkoła Doktorska  
Nauk Ścisłych i BioMedycznych

**3. Charrouj Nouredine**

Project 6.3. Magnon-polaritons in two-dimensional antiferromagnetic materials on terahertz metasurfaces [Maciej Sakowicz, PhD Dsc. / Marcin Białek, PhD]

**Maria Skłodowska-Curie National Institute of Oncology State Research Institute**

**1. Wiśniewska Aleksandra**

Project 7.1. Dissecting immunological responses to neoadjuvant radiotherapy and immunotherapy in soft tissue sarcoma [Prof. Piotr Rutkowski, MD PhD.]

**International Institute of Molecular and Cell Biology in Warsaw**

**1. Rzepka Natalia**

Project 9.2. The microbiome on the gut-liver axis [Aleksandra A Kołodziejczyk, PhD.]

**2. Teme Tola**

Project 9.3. Therapeutic and endogenous mRNAs metabolism [Prof. Andrzej Dziembowski, PhD, DSc.]

**3. Biriczova Lilla**

Project 9.5. Chilling resilience: Decoding phosphatases in cold adaptation (NCN/PRELUDIUM BIS) [Wojciech Pokrzywa, PhD, Dsc.]

Director  
Nencki Institute of Experimental Biology, PAS

*A. Dobrzyń*  
Prof. Agnieszka Dobrzyń