

## **Popularization of Science in 2024**

**Science Kids Project, Warsaw, National Centre for Nuclear Research; September 14, 2024;** classes for children entitled: **‘How fungi rule the world?’**, the lecture was conducted in Ukrainian; its aim was to familiarize children with the topic of fungi and their common occurrence in the world, especially in human life. **November 2, 2024;** classes for children entitled: **‘Magic Fungi: How and Why Nature Created Living Lanterns?’**, the lecture was conducted in Ukrainian; its aim was to familiarize children with fungi with unique bioluminescent properties; P. Havrysh.

**January 19, 2025, ‘Night of Discoveries’** - the event for students in grades 1-3 of Primary School No. 2 in **Murowana Goślina**. Co-organizer from IPG PAS: D. Babula-Skowrońska. The Workshop entitled: **‘Secrets of Plant Pigments’** was prepared and conducted, including presentations of information on the main types of plant pigments, their chemical properties, and biological functions in plants. The workshop also included simple experiments and practical demonstrations, allowing participants to independently learn methods for isolating and observing pigments.

**April 17, 2025, 27th Poznań Science and Art Festival.** Scientists from IPG PAS leading the classes: M. Urbaniak, K. Sobańska, A. Surma, I. Dogra, M. Kwiatkowska, E. Enow, H. Jamil. IPG PAS prepared the event entitled: **‘A Fascinating Journey into the Kingdom of Fungi and Plants’**. During the workshop, participants learned that plants can feed on insects and that plants and fungi coexist. They also learned that plants and fungi contain DNA, the structure and function of DNA, and what the genetic information is.

**September 28-29, 2024, Exhibition of fungi, Botanic Garden, Adam Mickiewicz University,** M. Urbaniak.

**October 19-20, 2024, Exhibition of fungi, Faculty of Biology, Adam Mickiewicz University,** M. Urbaniak.

## **Popularization of Science in 2025**

**January 17, 2025, ‘Night of Discoveries’** - the event for students in grades 1-3 of Primary School No. 2 in **Murowana Goślina**. Co-organizer from IPG PAS: D. Babula-Skowrońska. The Workshop entitled **‘Secrets of Plant Pigments’** was prepared and conducted, including presentations of information on the main types of plant pigments, their chemical properties, and biological functions in plants. The workshop also included simple experiments and practical demonstrations, allowing participants to independently learn methods for isolating and observing pigments.

**March 18, 2025, Green Horizons Matchmaking: Building Partnerships for Sustainable Food Systems - Brussels, Belgium.** IPG PAS was represented by I. Pawłowicz. The international matchmaking meeting within *Horizon Europe Cluster6* was co-organized by

Spain, Slovakia, Austria, France, Poland, and Latvia and brought together over 50 professionals from the science and business sectors. The Polish Academy of Sciences was represented by representatives of five institutes, who presented their research areas and discussed the possibilities of forming international consortia.

April 9, 2025, 28th Poznań Science and Art Festival. Scientists from IPG PAS leading the classes: A. Czapiewska, K. Czepiel, K. Czyż, E. Enow, J. Górna, K. Grądzka, P. Havrysh, M. Michałek, M. Mokrzycka, M. Urbaniak, K. Sobańska, A. Surma, E. Wojtkowiak, and N. Żyła. IPG PAS prepared the event entitled 'From Seed to Crop. Fungal Saboteurs in Action.' The first part of the event focused on identifying key phenotypic traits that directly impact the size and quality of 'agricultural productivity' and introduced statistical methods for their assessment. The second part presented fungi that may pose a direct threat to agriculture, and introduced the most important species of pathogenic fungi and their structures.

April 9, 2025, Job Fair at Poznań University of Life Sciences, 'UPPoluj pracę'. IPG PAS was represented by: J. Ceraży-Waliszewska, D. Perlikowski. Participants were presented with opportunities to continue their studies at IPG PAS, as well as opportunities to start working at the Institute.

May 25-26, 2025, the 3<sup>rd</sup> 'Science for Society' Congress in Warsaw. It was an opportunity to show the most significant research and implementations that could contribute to the development of society, economy and innovation in Poland. IPG PAS was represented by M. Jędryczka and K. Susek. During the event the SPEC system (The System for Forecasting Disease Epidemics) was presented as a research result and a significant implementation contributing to the development of society, the economy, and innovation in Poland. The results of citizen science activities carried out in the INCREASE project were also shown, as well as experiences related to seed exchange and the functioning of a decentralized system for the protection of genetic resources.

September 2-4 2025, the 34th Economic Forum 'Time of Transition - What Future for Europe?' in Karpacz. IPG PAS was represented by A. Kosmala, Deputy Director for Scientific Affairs, who was invited by the Organizers particularly to the discussion panel: "Inventions and Scientific Developments of the 21st Century"; He also presented the lecture: 'The System for Forecasting Disease Epidemics (SPEC).'

June 3-6, 2025, European Science Fair in Poznań. Participants from IPG PAS: W. Bielski, K. Czepiel, J. Dutkiewicz, M. Gawłowska, F. Gregory, K. Juszczak, M. Kempa, A. Kosmala, P. Krajewski, D. Kruszka, G. Maciejewska, D. Mondal, S. Salamon, K. Sierszeńska, M. Stanoch. IPG PAS presented its achievements and opportunities for collaboration in four scientific areas: June 3 - Multiomics: FENG 2.4 Project "Integrative multiomics platform based on high-resolution mass spectrometry for metabolome and microbiome studies with the involvement of machine learning"; June 4 – Phenomics, plant microbiome research and SPEC (The System for Forecasting Disease Epidemics); June 5 - Plant nanotechnology: ERA Chairs NANOPLANT project "The Creation of the Department of Plant Nanotechnology to Maximise the Impact of the ERA Chair Culture on the IPG PAS"; June 6 - Genomics, Biotechnology and Bioinformatics.