

## KOMUNIKAT IV

### Drodzy uczestnicy!

Z przyjemnością udostępniamy Państwu program V edycji konferencji Dni Młodego Naukowca. Prosimy również, aby osoby z posterami odbyły rejestrację co najmniej 15 min przed uroczystym otwarciem wydarzenia.

- **Poster naukowy** (rozmiar plakatu A1 – (59.4 cm szerokości x 84.1 cm wysokości), tekst w języku angielskim) Scientific poster (poster size A1 - (59.4 cm wide x 84.1 cm high), text in English)
- **Prezentacja ustna** (10 minut prezentacji oraz 5 minut dyskusji, slajdy w języku angielskim, prezentacja w języku polskim lub angielskim) Oral presentation (10 minutes of presentation and 5 minutes of discussion, slides in English, presentation in Polish or English)

Sesja posterowa jak i Lunch odbędzie się w Ośrodku Szkoleniowym IHAR-PIB.

Odliczamy dni do spotkania z Państwem!

Komitet Organizacyjny Dni Młodego Naukowca 2024

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**Przewodniczący Komitetu Organizacyjnego DMN'24** dr Krzysztof Michalski

**Zastępca Dyrektora ds. Naukowych IHAR-PIB** prof. dr hab. Michał Kwiatek

**Członkowie Komitetu Organizacyjnego DMN'24** dr Piotr Lewandowski, mgr Klaudia Bernacka, mgr Paweł Poznański

**Wsparcie Administracyjno-Techniczne** mgr Rafał Stodulski

## Program

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# Program

## Dzień 1 - Czwartek 24.10.2024

Day 1 - Thursday 24.10.2024

9:00-11:00	Registration		
11:00-11:25	Opening speech		
11:25-12:05	<b>PhD Matthias Bochtler</b> <i>International Institute of Molecular and Cell Biology</i> <i>(English lecture)</i>	How AI tools are revolutionizing structural biology	<b>I session</b> Chairperson: Krzysztof Michalski
12:05-12:20	<b>Anna Depta</b> <i>The Institute of Soil Science and Plant Cultivation</i>	Diversity in the genus <i>Nicotiana</i>	
12:20-12:35	<b>Paulina Smyda-Dajmund</b> <i>The Plant Breeding and Acclimatization Institute - National Research Institute, Młochów</i>	Cell cycle progression as one of the markers of potato tolerance to drought stress	
12:35-12:50	<b>Błażej Wójkiewicz</b> <i>Poznańska Hodowla Roślin</i>	Predicting of heterosis effect based on genetic distance and the level of homozygosity of parental lines used for rye hybrids production with the use of 4.5K SNPs marker set	
12:50-13:10	<b>Lucy Wang</b> HaploX Biotechnology Co. Ltd.	Unleashing the Power of Genetics and Proteomics: Precision Solutions for Modern Research	
13:10-13:30	Coffee break		
13:30-13:45	<b>Piotr Nowotnik</b> <i>Wrocław University of Environmental and Life Sciences</i> <i>ProBiotics Polska - Wytwórnia Probiotyków</i>	Probiotic agents for the biocontrol of American foulbrood (AFB) – a dangerous bacterial disease of honey bee larvae	<b>II session</b> Chairperson: Krzysztof Michalski
13:45-14:00	<b>Dawid Wieloch</b> <i>The National Institute of Horticultural Research</i>	Optimization of processing and sensory evaluation of innovative sea buckthorn snacks	
14:00-14:15	<b>Sara Chrzanowska</b> University of Szczecin	<i>Pseudomonas aeruginosa</i> - enemy or ally?	
14:15-14:30	<b>Jarosław Ignaszak</b> <i>Eppendorf</i>	Sustainability and automation in your laboratory together with Eppendorf	
14:30-15:30	Poster Session		
15:30-16:30	Lunch		
16:30-16:45	<b>Paweł Poznański</b> <i>The Plant Breeding and Acclimatization Institute - National Research Institute, Radzików</i>	Chitosan and azoxystrobin antifungal synergy: insight into the mechanism	<b>III session</b> Chairperson: Piotr Lewandowski
16:45-17:00	<b>Rafał Wild</b> Warsaw University of Life Sciences	Aquariums in the conservation of fish biodiversity	
17:00-17:15	<b>Mateusz Przyborowski</b> <i>The Plant Breeding and Acclimatization Institute - National Research Institute, Radzików</i>	Targeted mutagenesis using CRISPR/Cas technology in triticale	
19:00-01:00	Social meeting		

# Program

## Dzień 2 - Piątek 25.10.2024

Day 2 - Friday 24.10.2024

9:30-10:00	Morning coffee		
10:00-10:15	<b>Jolanta Groszyk</b> <i>The Plant Breeding and Acclimatization Institute - National Research Institute, Radzików</i>	R-GRAIN - new molecular pillar for Polish rye breeding	<b>IV session</b> Chairperson: Piotr Lewandowski
10:15-10:30	<b>Barbara Górniewicz</b> Hodowla Roślin Smolice	The assessment of seed yield stability of narrow-leaved lupin cultivars ( <i>Lupinus angustifolius</i> L.)	
10:30-10:45	<b>Sahil Satam</b> <i>Wrocław University of Science and Technology</i>	Optimization of expression and inhibition of urease from <i>H. pylori</i>	
10:45-11:00	<b>Magdalena Korek</b> <i>University of Silesia</i>	Strigolactone insensitivity affects the hormonal homeostasis in barley	
11:00-11:15	<b>Gabriela Skowron</b> <i>The Plant Breeding and Acclimatization Institute - National Research Institute, Radzików</i>	Utility value and yielding of the legume-grass sward depending on the varied intensity of use in organic cultivation	
11:15-11:30	<b>Ewa Dejnaka</b> Wrocław University of Environmental and Life Sciences	ESRRA receptor in canine hematopoietic cancers as a new research direction	
11:30:11:45	<b>Katarzyna Nazarewicz</b> <i>Omixys</i>	From individual microbial, plant, animal cells to dark matter with single cell approaches in field of pesticide detection, food and environmental quality control, ending up on sterile processing and prokaryotic cell chips manufacturing	
11:45-12:15	Coffee break		
12:15-13:45	<b>Agnieszka Kawka</b> <i>The Polish National Agency for Academic Exchange</i> <b>Joanna Łopacka</b> <i>The National Centre for Research and Development</i> <b>Anna Koteja</b> <i>The National Science Centre Poland</i> <b>Matthias Bochtler</b> <i>International Institute of Molecular and Cell Biology</i> <b>Mateusz Przyborowski</b> <i>The Plant Breeding and Acclimatization Institute - National Research Institute, Radzików</i>	Discussion panel: Research funding opportunities for young scientists	Chairperson: prof. Sławomir Sowa
13:45-14:00	<b>Mateusz Śmietana</b> <i>University of Silesia</i>	Analysis of selected physiological parameters of drought stress response in barley genotypes of different geographical origin	<b>V session</b> Chairperson: Mateusz Przyborowski
14:00-14:15	<b>Piotr Nowotnik</b> Wrocław University of Environmental and Life Sciences ProBiotics Polska - Wytwórnia Probiotyków	Will the replacement of nitrogen fertiliser with biopreparations containing strains of <i>Azotobacter</i> sp. and <i>Pseudomonas</i> sp. cause a significant collapse in soil physico-chemical parameters in the cultivation of winter forms of oilseed rape and wheat?	
14:15-14:30	<b>Rafał Nowak</b> <i>Bydgoszcz University of Science and Technology</i>	Root system architecture and interaction with soil enzymes of different barley genotypes versus nutrient uptake	
14:30-14:45	<b>Magdalena Ambryszewska</b> <i>MS Spectrum</i>	Sample preparation methods are very important	
14:45-15:45	Lunch		
15:45-16:00	<b>Wiktoria Wiechetek</b> <i>Warsaw University of Life Sciences</i>	Hemp protein in modern aquaculture of European perch ( <i>Perca fluviatilis</i> )	<b>VI session</b> Chairperson: Mateusz Przyborowski
16:00-16:15	<b>Franciszek Mika</b> <i>Warsaw University of Life Sciences</i>	Assessing the ecological impact of urbanization: changes in arthropod fauna at "Skarpa Ursynowska" Nature Reserve over three decades	
16:15-16:30	<b>Anna Sielska</b> <i>University of Szczecin</i>	The application of advanced molecular methods for the species identification and composition analysis of highly processed plant materials in food products	
16:30-16:45	<b>Michał Miłoszewski</b> <i>The Plant Breeding and Acclimatization Institute - National Research Institute, Radzików</i>	Application of CRISPR/Cas9 in the transcriptional activation of selected genes related to yield traits	
16:45-17:00	Closing speech		