

FORUM CONFERENCE 15-17 April 2024

15 April 2024

9.30	Inauguration	
	Faculty of Physics, Audytorium im. Prof. Kielicha	
	Agnieszka Ludwików	
9.35	Keynote 1	
	Chair: Karolina Lewińska	
	Witold Szczuciński	The Present is the Key to the Past – the Past is the Key to the Future
	Kelly Tonello	Climate Change and Cloud Forests: A Delicate Dance of Fog and Rainfall
	Rabia Amir	Cracking plant stress code: Elevating oil quality and yield for sustainable harvest

10.30-11.00 Coffee break

	Plenary session 1	
	Faculty of Physics, Audytorium im. Prof. Kielicha	
	chair: Andrzej Pacak	
11.00-11.10	Yaarob Altalli	Regulation of Tissue-Specific Gene Clusters in Epidermal Development and Differentiation: Insights into Epigenetic Influence
11.10-11.20	Afzal Amanullah	Unravelling the Mysteries of ALG-1 and ALG-2: Masters of Gene Expression Regulation
11.20-11.30	Ashvita Anand	Investigating social relationships in male bonnet macaques in India
11.30-11.40	Michał Delikta	<i>Ailanthus altissima (Mill.) Swingle as an invasive alien species settling in Europe - projections of invasion dynamics and directions.</i>
11.40-11.50	Bartłomiej Domaszewicz	Paleogeography of Gondwana's north-western margin during the Devonian evolution of Reik Ocean.
11.50-12.00	Kacper Dudczak	A virus-host dataset for building machine learning models
12.00-12.10	Zofia Grajek	Circulation conditions of halny occurrence in the Tatras Importance of shape
12.10-12.20	Marta Gratkowska	Dimensions of human vertebral column from medieval to modern times
12.20-12.30	Julia Gwiazdowska	The effect of fungicides on the production of the major allergen of Alternaria alternata spores (Alt a 1) - preliminary study
12.30-12.40	Paulina Romel	Reconstruction of marine ecosystems changes during the Holocene Thermal Maximum in the Northwest Passage (Canadian Arctic Archipelago) based on foraminiferal analysis – preliminary results

12.40 Discussion

13.00-14.00 Lunch

	Plenary session 2	
	Faculty of Physics, Au	ıdytorium im. Prof. Kielicha
	chair: Agata Cieśla	
14.00-14.10	Paulina Jakubiak	Effects of increased temperature and fluoxetine water pollution on filtration behavior of Unio tumidus (Philipsson, 1788)
14.10-14.20	Katarzyna Kondrat	Drivers of intraspecific variation in fecundity in rowan (Sorbus aucuparia)
14.20-14.30	Aleksandra Kudeń	Effects of Mismatched Response Norms Between Parasites and Autotrophic Hosts on Lake Ecosystem Functioning (via teams)
14.30-14.40	Marta Kulczak	More than just a free ride - the evolutionary significance of the phoresy phenomenon for the biology and ecology of mites from the suborder Uropodina
14.40-14.50	Julia Kurzawska	<i>RNA binding by KH-domain proteins KhpA and KhpB from Streptococcus pneumoniae</i>
14.50-15.00	Magdalena Majchrzak	Assessing the influence of urban heat island on the phenology of Betula pendula Roth., using satellite imagery data
15.00-15.10	Zofia Marek	Light as a pollution of the aquatic environment: structure of phytoplankton communities in Lake Durowskie

15.10-15.40 Coffee break

Faculty of Physics, Audytorium im. Prof. Kielicha

chair:	Maciej	Janicki
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15.40-15.50	Elżbieta Rudy	Analysis of the Epigenetic Regulators in Dark-Induced and Developmental Leaf Senescence in Barley Leaf
15.50-16.00	Weronika Stróżewska	Growth patterns of children born Small for Gestational Age with and without catch-up growth
16.00-16.10	Dominika Winiarska	<i>Presentation "Detection distance differs according to detection method in passive acoustic monitoring"</i>
16.10-16.20	Joanna Zwolenkiewicz	Investigating the role of the ProQ protein in the interaction between non- coding RNAs and their regulated mRNAs in Escherichia coli.
16.20-16.30	Kayode Olatunji Olabode	Effects of amendments on the release of antimony and lead from spiked soils under different moisture conditions
16.30-16.40	Filip Miś	Spatial and temporal variability of the growing season in central and northern Europe
16.40-16.50	Shabani Selemani	Repeated adaptation to habitat in the extremely variable and widespread Common Evening Brown butterfly
16.50-17.00	Karolina Spławska	Is there competition between crossover pathways for meiotic DNA double- strand breaks?
17.00	Discussion	

16 April 2024

10.00-12.00		Coffee & Sweets Poster Session
	Faculty of Physics, main chair: Michał Rurek	n hall
P01	Adam Szczapiński	Assessing decadal trends and climate drivers of North Atlantic tropical and post-tropical cyclones (1970-2019)
P02	Aleksandra Dzięgelewska	Compounds from cinnamon bark (Cinnamomum verum J.Presl) as a potential danger to aquatic ecosystems
P03	Aleksandra Grzanka- Maziarz	The roles and therapeutic potential of distinct dystrophin and utrophin isoforms in the peripheral nervous system
P04	Aleksandra Zwolska	Urban Growth's Implications on Land Surface Temperature in a Medium-Sized European City based on LCZ classification
P05	Aneta Łyś	<i>The functional meaning of 5'-end-extended transcripts of protein-</i> <i>coding genes in human.</i>
P06	Ankit Roy	Mechanistic Understanding of picd-1 in Transposon Silencing and Genome Maintenance
P07	Anna Bobińska	<i>Climate change as a basis for taking participatory activities in geographic and climate education</i>
P08	Anna Walczak	Insight into age-related changes of the human facial skeleton based on medieval European osteological collection
P09	Asad Siddiquee	Small-scale variability in the Bet v 1 release during pollination of Betula pendula in Poznań, Poland
P10	Bharti Aggarwal	Exploring the functions of liverwort-specific MpmiR1887 and MpmiR11796 in Marchantia polymorpha
P11	Bogna Malinowska	<i>Effects of toxic substances on antipredator behavior of shrews and their food selectivity.</i>
P12	Cyprian Kowalczyk	Structure of subfossil diatoms assemblages in coastal lakes of Burin Peninsula (Newfoundland, Canada)
P13	Damini Saha	Investigating the role of DPPIV protease in Repeat Expansion Diseases
P14	Dominika Jaster	Changing climatic conditions and the growth of vineyards in the Zielona Gora region
P15	Dorota Kiżewska	Rekonstrukcja in vitro oddziaływań pomiędzy tkanką mezenchymalną i epitelialną w rozwoju ludzkich wysp trzustkowych
P16	Edyta Urbaniak	Rola FKBP Izomerazy prolilowej 2 w zrozumieniu procesu dojrzewania ludzkiej insuliny.
P17	Ekaterina Shcheglova	SPOCK2 impact on human pluripotent stem cell differentiation towards pancreatic beta cells
P18	Emilia Sokołowska	Temporal avoidance of noise by songbirds
10.30 -12.00	Aleksandra Lewandowska	Seminar with General Board Member, Eurodoc Young researchers' first steps in an international environment Registration: <u>https://forms.office.com/e/RT2B10AxHK</u>

12.00-13.00 Lunch

P19	Esperanza Sáez Zárate	Fantastic Recombination Modifier Loci and Where to find them
P20	Filip Skop	Reconstruction of meteorological environment leading to a catastrophic severe weather outbreak in Poland on July 4th 1928, based on archival data and 20th Century Reanalysis
P21	Galin Gospodinov	She, He or They/Them – investigation of the sexual systems in Riccia fluitans and Riccia rhenana
P22	Gulsamal Askarova	How does evolution in a stable and fluctuating environment shape the niche breadth of a plant-feeding arthropod?
P23	Jagoda Byszko	"Unraveling Social Complexity: Preliminary Insights from Network Analysis of Wild Chimpanzees in Sebitoli, Kibale National Park, Uganda"
P24	Jakub Klęsk	The Color Variability of Upper Neogene Clay Sediments in the Jóźwin IIB Lignite Open-Pit Mine on the Polish Lowland
P25	Joanna Kozłowska- Masłoń	miR-27b-5p: a novel player in the biology of head and neck squamous cell carcinoma
P26	Julia Gostyńska	Exploring allelopathic potential: studying the effects of exposure time and Cladophora glomerata (L.) Kütz. phenolic acids concentration on pleustophytes and cyanobacteria
P27	Julia Gwiazdowska	The effect of fungicides on the production of the major allergen of Alternaria alternata spores (Alt $a \ 1$) - preliminary study
P28	Julia Maciorowska	Intergenerational Plant Stress Memory: Does It Exist in Barley?
P29	Kaja Jaskot	Utilizing Silica Nanoparticles for Cellular Senescence Detection
P30	Karolina Wleklik	Screening of lupin (Lupinus spp.) lipases and phospholipases for functional analogs of yeast Atg15

15.00-19.00

Cheese and Fruits Poster Session

P31	Katarzyna Morańska	Uterine microbiome composition in patients with uterine fibroids
P32	Kinga Buda	Commonness and intensity of nocturnal singing by diurnal birds in temperate regions
P33	Klaudia Samorowska	Poster title: Long noncoding RNAs in breast cancer epitranscriptomics
P34	Klaudia Kortus	The presence of antibiotic-resistant and integron-harboring bacteria in the indoor air in Poznań public buildings
P35	Krzysztof Stawrakakis	<i>Mykobiome diversity of crop plant Hordeum vulgare phyllosphere: a field study</i>
P36	Krzysztof Wójcicki	The statins induce changes in aerobic metabolism in astrocyte cells
P37	Krzysztof Zagata	Mini-map as a navigation aid in virtual geographical space - study based on selected video games
P38	Lia Zampa	STAND OUT FROM THE CROWD: Strength of acoustic identity coding in territorial bird species.
P39	Magdalena Strugała	Factors affecting formation of the diatom communities' structure on Cladophora glomerata

P40	Małgorzata Pełelska	<i>Characterization of WHIRLY proteins' activity in regulating abscisic acid signaling.</i>
P41	Maria Mamońska	Different RNA recognition by the FinO-domain proteins ProQ and FinO depends on RNA sequence surrounding transcription terminator hairpins
P42	Maria Tomys	Role of mitochondria in the stress adaptation and stress response in tobacco BY-2 cells
P43	Marta Zimna	Pseudouridine in plant miRNA biogenesis and action.
P44	Mateusz Pluskota	Anthropogenic influence on antibiotic resistance genes in polar air: insights from Central Spitsbergen
P45	Mateusz Robaczewski	<i>"History of unsuccessful town foundations in the bog archives of Głęboczek in the Zielonka Forest"</i>
P46	Mateusz Wesołowski	<i>Poster title: Do mitochondria accompany chloroplasts during their movements?</i>
P47	Michalina Krakowiak	<i>Microbial contamination in tardigrade samples – a challenge for DNA isolation</i>
P48	Michał Zacharyasiewicz	The role of dead wood in shaping mite communities from the Uropodina suborder (Acari: Mesostigmata)
P49	Natalia Konopińska	Tachykinin-related peptides as a potential enhancer of the activity of female reproductive system in beetles
P50	Natalia Krupka	Model of morphological changes in a lowland river bed at low water level on the example of the Welna River
P51	Natalia Lis	Competition, cooperation, and parental effects in larval aggregations formed on carrion by communally breeding beetles Necrodes littoralis (Staphylinidae: Silphinae)
P52	Naveen Nedunchezhian	Poster Title: Role of glial pituicytes in neurohypophyseal synaptic morphogenesis.
P53	Neelam Porwal	Sexually-selected male weapon and the risk of population extinction under increasing temperatures
P54	Nhat Tan Pham	Genome assembly of the Common Evening Brown butterfly (Melanitis leda)
P55	Nikola Góral	Development of new microsatellite markers to test the dispersal abilities of damselfly Ischnura pumilio
P56	Nikola Musiała-Kierklo	Endogenous modulation of MBNL1 expression via RNA activation (RNAa) as a novel therapeutic approach towards myotonic dystrophy type 1 (DM1).
P57	Oleksandr Ostrovskyy	Guardians of Neuronal Health: Exploring Dystrophin's Role in Astrocytic Mitochondrial Function and Cytoskeletal Integrity
P58	Oliwia Sęk	Toxic alkaloids vs rodents - influence of endophytic fungi on small herbivorous mammals.
P59	Patrycja Świergiel	Deciphering the molecular mechanisms underlying the sdRNAs synthesis mediated by FUS.
P60	Patryk Matczak	presentation title: Supercell thunderstorm with heavy rainfall in the Gorzow Wielkopolski area on September 8, 2022
P61	Paulina Anna Wilanowska	Relations between microbiome, telomere length and personality
P62	Piotr Janiec	<i>Permafrost degradation following wildfires – can we monitor it from the space?</i>

P63	Remigiusz Gębka	Identification of determinants of small noncoding RNA cleavage from functional RNAs using machine learning methods
P64	RENU	Functional characterization of WHIRLY protein in Arabidopsis thaliana
P65	Robert Pasieka	<i>Elucidating the functions of U7 snRNA-dependent lincRNAs in human cells</i>
P66	Ronald Łaniecki	Observations on ontogeny of prodorsal setation in the mite family Cocceupodidae Jesionowska (Acariformes: Prostigmata: Eupodoidea)
P67	Sara Henry	Specific and common role of ETV1,4 and 5 transcription factors in human pluripotent stem cells.
P68	Sebastian Szczepański	The influence of interspecific gene flow on genetic divergence of closely related pine species
P69	Shraddha Shinde	"Choreographing the Symphony of Gene Expression: Deciphering RNAPII Elongation Rate Dynamics in Neurodevelopment"
P70	Szymon Świątek	Geochemical impact on the development of seismite - preliminary results of experimental research
P71	Tansu Doran	The role of PRC complexes and the gene desert located in EDC gene cluster in the establishment of keratinocyte-specific promoter-enhancer network
P72	Thi Ngoc Pham	Allergenic potential of urban green spaces: ornamental species as a source of pollen allergens and the cause of increased sensitization of city inhabitants
P73	Tomasz Krupka	The influence of the Flinta River as a tributary on the distribution of bedload in the Welna River - a case study
P74	Weronika Kostańska	The use of modern information and communication technologies in the promotion of tourist values and in the sustainable development of tourism on the island of Wolin
P75	Wiktoria Kleczkowska	Changes In Redox Balance and Its Anti-Senescence Potential; Based On Dark Induced Leaf Senescence In Barley Leaves
P76	Wojciech Wysoczański	Can the mycobiome of mountain avens Dryas octopetala be an indicator of climate change?
P77	Gilbert Zasoński	Dynamics of CUGexp RNA foci formation in MBNL1/2 knockout cell line with inducible overexpression of individual MBNL isoforms fused with fluorescent proteins
P78	Patryk S. Pankowski	The short and long-term biological and demographic effects of the 1866 cholera epidemic in Poznań
P79	Daniel Fajfer	The role of Lepidurus apus and Eubranchipus grubii in food webs connecting various ecosystems

17 April 2024

9.00	Keynote 3	
	Faculty of Physics, Audytorium Maximum chair: Agnieszka Ludwików	
	Patrick Gallois	Plant programmed cell death and proteases
	Collin Waters	The Anthropocene is real despite news to the contrary!
	Simon Turner	How, where, and why do you place a golden spike to start the Anthropocene
10.30-11.00	Coffee break	

11.00	Plenary session 3	
	Faculty of Physics, Audy	vtorium Maximum
	chair: Aleksandra Świd	a-Barteczka
11.00-11.10	Yufeng Guan	Aldehyde Dehydrogenase as a Metabolic Sensor of Nitroxyl in Arabidopsis
11.10-11.20	Agata Henschke	Nano-intervention to eliminate therapy-induced cellular senescence
11.20-11.30	Grzegorz Jankowiak	Challenges of Remote Sensing in Tree Leaf Disease Diagnosis
11.30-11.40	Rafał Kiełczewski	Holocene history of CaCO3 precipitation in two alkaline spring-fed fens from northeastern Poland and western Latvia
11.40-11.50	Magda Kopczyńska	Exploring SETD2's Role in Epigenetic Control of Transcription Termination
11.50-12.00	Wojciech Łuczak	<i>Development of a method for analyzing polymorphic STR markers for human DNA genotyping.</i>
12.00-12.10	Katarzyna Malinowska	<i>Comparing analytical protocols for identifying causes of population changes</i>
12.10-12.20	Katarzyna Markowska	rangr: An R package for mechanistic, spatially explicit simulation of species range dynamics
12.20-12.30	Athul Ramesh Ramesh	Presentation title- Unraveling the Intricacies of Vascular Permeability: Navigating the Molecular Tapestry of Endothelial Barrier Function
12.30	Discussion	

12.45-14.00 Lunch

	Plenary session 4		
	Faculty of Physics, A Audytorium Maximum		
	chair: Agata Cieśla		
14.00-14.10	Daria Stube	The role of DEAD-box helicases: RH11, RH37, RH52 in miRNA biogenesis	
14.10-14.20	Józefina Wasilewska	Genetic diversity and population structure of Borrelia afzelii in Poland	

14.20-14.30	Anna Wilhelm	<i>The role of MSH7 protein in polymorphism dependent crossover</i> <i>stimulation in Arabidopsis thaliana</i>
14.30-14.40	Filip Wojnarowski	Brief characterisation of two Pseudomonas syringae phages isolated from decaying plant matter
14.40-14.50	Zuzanna Zając	Transcriptomic insights into A.thaliana stress response via plaNET-seq technique
14.50-15.00	Jakub Zawadzki	<i>Reconstruction of Historical Environment and Future Utilization of</i> <i>Heritage Objects</i>
15.00-15.10	Tomasz Bartylak	<i>Testing the limits of tardigrade resistance to repeated potassium cyanide exposure</i>

15.10-15.40 Coffee break

chair: Małgorzata Wojtkowska

15.40-15.50	Jakub Buda	Radioisotopes on glaciers: understanding of accumulation processes and threat to glacier and glacier-adjacent ecosystems
15.50-16.00	Adrianna Budzińska	Bisphosphonates zoledronate and alendronate induce aerobic metabolism adaptations in endothelial cells
16.00-16.10	Natalia Oniszczuk	Dilemmas of the local community towards tourism in Spitsbergen - project outline
16.10-16.20	Mateusz Oszust	Impact of great cormorants (Phalacrocorax carbo L.) on terrestrial animals
16.20-16.30	Natalia Pawłowska	The gut microbiota composition in adults with cystic fibrosis and its association with severity of CFTR gene mutation and nutritional status
16.30-16.40	Anastasiia Polishchuk	Ecuador and the Tardigrades: a further study of taxonomic diversity
16.40-16.50	Patrycja Popiel	Interactions between the northern white-breasted hedgehog Erinaceus roumanicus and the European hedgehog Erinaceus europaeus in the Polish sympatry zone - competition or hybridization?
16.50	Discussion	