

**MRTBS 2024**  
**1st International Conference**  
Modern research trends in  
biomedical sciences: a holistic  
approach to health care  
Opole, Poland, 17-19.04.2024



## PROGRAMME

<b>Day 1 – 17 April 2024</b>	
<b>Bioethics session - Auditorium A</b>	
(moderators: Prof. Dariusz Krok and Assoc. prof. Danuta Witkowska)	
13.00-14.00	Arrival and Check-in
14.00-14.30	Welcome and Introduction from the Chairs
14.30-15.30	<b>Prof. Błażej Kmiecik</b>  The Maria Grzegorzewska University in Warsaw, Poland  <i>Bioethics, between fear and hope</i>
15.30-16.00	<b>MSc Paweł Susłowski</b>  IntegrumMed, Wrocław, Poland  <i>Shifting the evidence-based paradigm based on the working model of osteopathy and functional medicine: towards an understanding of complexity (personal experience)</i>
16.00-16.30	Coffee break
16.30-17.00	<b>Prof. Dariusz Krok</b>  Institute of Psychology , University of Opole, Poland  <i>Coping with chronic illness: Psychological aspects of patient-centred care</i>

17.00	Group photo
17.00-18.00	Poster session 1 <b>Hall A1/A2</b>

<b>Day 2 – 18 April 2024</b>		
<b>Biomedical sciences as a holistic approach to healthcare - Auditorium A1</b>		<b>Health sciences matters!- Auditorium A2</b>
(moderators: PhD Giovanni Roviello, Assoc. prof. Danuta Witkowska, Assoc. prof. Magdalena Rowińska-Żyrek)		(moderators: Prof Andrzej Tukiendorf, Prof. Marek Gierlotka, PhD Martyna Kasper-Jędrzejewska)
9.00-9.30	<b>Prof. Chad L. Leverette</b>  Coastal Carolina University, Conway, USA  <i>The power of partnerships: leveraging expertise, opportunities, and resources to advance biomedical science</i>	<b>Prof. William Hills</b>  Coastal Carolina University, Conway, USA  <i>Integration of primary care and behavioral healthcare: Evidence-based outcomes supporting communities of practice</i>
9.30-10.00	<b>Prof. Henryk Kozłowski</b>  Institute of Health Sciences, University of Opole, University of Wrocław, Poland  <i>Neurodegenerative diseases: why should we care?</i>	<b>Prof. Mieczysław Pokorski</b>  Institute of Health Sciences, University of Opole, Poland  <i>The Aging Process: An Update</i>
10.00-10.30	<b>Prof. Milena Salerno</b>  University Sorbonne in Paris, France  <i>Synthesis of copper complexes for potential use in the diagnosis of Alzheimer's disease</i>	<b>Assoc. prof. Chi-Ping Chang</b>  Tzu Chi University Science & Technology, Hualien City, Taiwan  <i>Factors associated with the voluntary cessation of clinical practice by nursing students</i>
10.30-11.00	Coffee break	
11.00-11.30	<b>PhD Giovanni Roviello</b>	<b>Prof. Takizawa Shigeo</b>

	<p>Institute of Biostructures and Bioimaging (IBB) of the Italian National Council for Research, Naples, Italy</p> <p><i>Exploring the neuroprotective effects of synthetic compounds for new neurodrug development</i></p>	<p>International Biophilia Rehabilitation Academy, Tokio, Japan</p> <p><i>Motivated exercise: a paradigm change in medical rehabilitation</i></p>
11.30-12.00	<p><b>Assoc. prof. Hayarpi Simonyan</b></p> <p>Yerevan State University, Armenia</p> <p><i>Synthesis and biological evaluation of unnatural alpha-amino acids and peptide-based systems for biomedical strategies</i></p>	<p><b>Prof. Giovanni Barassi</b></p> <p>University of Chieti-Pescara, Italy</p> <p><i>Biophysicmetric approach in musculoskeletal dysfunctions</i></p>
12.00-12.30	<p><b>Assoc. prof. Magdalena Rowińska-Żyrek</b></p> <p>University of Wrocław, Poland</p> <p><i>Metal ions - the eminence grise of antimicrobial peptides?</i></p>	<p><b>Assoc. prof. Alejandro Mercant</b></p> <p>Cadiz University, Spain</p> <p><i>Advance Physical Exercise Programs in older people implementable in Primary Care Service, a perspective from the experience and evidences</i></p>
12.30-13.30	Lunch	
13.30-14.00	<p><b>Assoc. prof. Chiara Gamberi</b></p> <p>Coastal Carolina University, Conway, USA</p> <p><i>Combating orphan diseases by fly-empowered drug discovery and Drosophila – omics</i></p>	<p><b>Assoc. prof. Gergana Avramova</b></p> <p>Assen Zlatarov University in Burgas, Bulgaria</p> <p><i>A holistic way to promoting health by the means of emotional intelligence and art therapeutic approach</i></p>
14.00-14.30	<p><b>Prof. Milen Todorov</b></p> <p>Arsen Zlatarov University in Burgas, Bulgaria</p>	<p><b>Assis. Prof. Hsia-Tzu Kao</b></p> <p>Tzu Chi University Science &amp;Technology, Hualien City, Taiwan</p>

	<i>Information technologies as a tool for identification of endocrine disrupting chemicals</i>	<i>Advancing indigenous health in Taiwan: enhancing cultural competency in nursing students through service learning</i>
14.30-16.30	Workshop 1- <b>A1*</b>	Poster session 2 <b>Hall A1/A2/A0</b>
15.00-17.00		Afternoon tea
16.30- 18.30	Workshop 2- <b>A1*</b>	
20.00		Gala dinner

<b>Day 3 – 19 April 2024</b>		
<b>Biomedical sciences as a holistic approach to healthcare- Auditorium A1</b>		<b>Health sciences matters!- Auditorium A2</b>
(moderators: PhD Agnieszka Szabeszcyk, PhD Magdalena Golachowska)		(moderators: Assoc. prof. Alejandro Mercant, PhD Lucyna Ptaszkowska)
9.00-9.30	<b>Prof. Monika Bronkowska</b>  Institute of Health Sciences, University of Opole, Poland  <i>Influence of selected immunomodulators for nutritional health of human health</i>	<b>Prof. Marek Gierlotka</b>  Institute of Medical Sciences, University of Opole, Poland  <i>Multimorbidity in patients with atherosclerosis</i>
9.30-10.00	<b>PhD Ilaria Piccialli</b>  Federico II University of Naples, Division of Pharmacology, Department of Neuroscience, reproductive and dentistry sciences, Naples, Italy  <i>Biological aspects of new molecular therapies for neuropathologies</i>	<b>Prof. Jacek Józwiak</b>  Institute of Medical-Sciences, University of Opole, Poland  <i>The prevalence of cardiovascular risk factors and cardiometabolic disease among primary care patients in Poland</i>
10.00-10.30	<b>PhD Jessica Holien</b>	<b>Assoc. prof. Aelita Bredelyte</b>  Klaipeda University, Lithuania

	RMIT University, Melbourne, Australia  <i>Protein-protein Interactions – untapped drug targets</i>	<i>Digital competencies of healthcare professionals as a challenge of the contemporary health system</i>
10.30-11.00	Coffee break	
11.00-12.00	Short communication session	
	<b>PhD Agnieszka Szebesczyk</b>  Institute of Health Sciences, University of Opole, Poland  <i>Can a molecule change the way we see the world? - the interaction of metal ions with fragments of heat shock proteins</i>	<b>PhD Przemysław Domaszewski</b>  Institute of Health Sciences, University of Opole, Poland  <i>The role of obesity in the manifestation of caffeine-induced effects in women</i>
	<b>PhD Radosław Balwierz</b>  Department of Pharmacy and Organic Chemistry at the Faculty of Chemistry, University of Opole, Poland  <i>Noninvasive transdermal administration of insulin at a therapeutic level - preliminary studies</i>	<b>PhD Martyna Kasper-Jędrzejewska</b>  Institute of Health Sciences, University of Opole, Poland  <i>Raising awareness of pelvic floor health to prevent dysfunction – let's start with the local community. Ongoing project highlights based on NICE recommendations</i>
	<b>Assoc. prof. Mark Hunt</b>  Nencki Institute of Experimental Biology PAN, Warsaw, Poland  <i>Exploring the actions of ketamine: abnormal fast brain rhythms in freely moving rodents</i>	<b>MSc Marcin Kapczyński</b>  Clarivate Strategic Customer SuccessConsultant, Warsaw, Poland  <i>Most impactful emerging specialty areas and Research Fronts in Clinical Medicine and Biological Sciences</i>
12.00-13.00	Scientific debate	
	<b>PhD Magdalena Golachowska</b>	<b>PhD Lucyna Ptaszkowska</b>  Institute of Health Sciences, University of Opole, Poland

	Institute of Health Sciences, University of Opole, Poland  Scientific debate: <i>Human beings as complex biological systems - multidisciplinary research trends</i>	Scientific debate: <i>Healthcare systems: a holistic, inter-professional paradigm for the future</i>
13.00-14.00	Lunch	
14.00-14.30	Master Class Session (moderator: PhD Katarzyna Szwamel)	
14.30	Closing ceremony <b>Auditorium A</b>	

\*Workshop 1: *The art and science of grant writing*, **Assoc. prof. Magdalena Rowińska-Żyrek**, University of Wrocław, Poland

\*Workshop 2: *Problems of correct data preparation, accuracy of calculations and correct selection and verification of statistical hypotheses in biomedical research*, **prof. Arkadiusz Liber**, Wrocław University of Sciences and Technology, Poland

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