

Joanna Miklosz

PHD CANDIDATE | ACADEMIC TEACHER | SCIENTIST

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WORK EXPERIENCE

ACADEMIC TEACHER | 2019 - PRESENT

- Department of Pharmacodynamics Medical University of Bialystok
- Pharmacology teaching

EDUCATION

PHD STUDENT | 2016 - PRESENT

- Medical University of Bialystok

MASTER DEGREE IN PHARMACY | 2010 - 2016

- Medical University of Bialystok

MOST ESSENTIAL RESEARCH PROJECTS

MINISTRY OF SCIENCE AND HIGHER EDUCATION | 2019 - 2020

- **Principal Investigator**
- Comparison of the effects of HBC, protamine and ciraparantag on the cardio-respiratory systems functions in preclinical safety studies

NATIONAL SCIENCE CENTRE | 2017 - 2021

- **Principal Investigator**
- The evaluation of protamine-induced thrombocytopenia and its potential thromboembolic complications in experimental animal models

NATIONAL SCIENCE CENTRE | 2017 - 2021

- **Co-investigator**
- Block polyelectrolytes regulating thrombosis - synthesis, physicochemical analysis, and biological studies

NATIONAL CENTRE FOR RESEARCH AND DEVELOPMENT | 2017 - 2018

- **Co-investigator**
- The use of cationic polymer to stop bleeding induced by unfractionated or low-molecular-weight heparins

NATIONAL SCIENCE CENTRE | 2013 - 2015

- **Co-investigator**
- The development of the new safe and controlled anticoagulant therapy with the use of chemically modified compounds in the models of experimentally induced arterial and venous thrombosis

PUBLICATIONS

2020

- **Kalaska B, MIKLOSZ J, Kamiński K, et al.**
Heparin-binding copolymer as a complete antidote for low-molecular-weight heparins in rats.
Journal of Pharmacology and Experimental Therapeutics

2019

- **Kalaska B, MIKLOSZ J, Kamiński K, et al.**
The neutralization of heparan sulfate by heparin binding copolymer as a potential therapeutic target.
RSC Advances
- **MIKLOSZ J, Kalaska B, Kamiński K, et al.**
The inhibitory effect of protamine on platelets is attenuated by heparin without inducing thrombocytopenia in rodents.
Marine Drugs

2018

- **Kalaska B, Kamiński K, MIKLOSZ J, et al.**
Anticoagulant Properties of Poly(sodium 2-(acrylamido)-2-methylpropanesulfonate)-Based Di- and Triblock Polymers.
Biomacromolecules
- **MIKLOSZ J, Kałaska B, Mogielnicki A.**
Pharmacogenetic considerations of anticoagulant medication.
Journal of Physiology and Pharmacology

2017

- **Kalaska B, MIKLOSZ J, Sokolowska E, Mogielnicki A.**
The pros and cons of modern anticoagulant therapy.
Bulletin of Faculty of Pharmacy of the Warsaw Medical University
- **MIKLOSZ J, Kalaska B, Sokolowska E, Mogielnicki A**
Protamine-induced thrombocytopenia: a new clinical complication or other type of heparin-induced thrombocytopenia?
Folia Cardiologica

2016

- **Sokolowska E, Kalaska B, MIKLOSZ J, Mogielnicki A.**
The toxicology of heparin reversal with protamine: past, present and future.
Expert Opinion on Drug Metabolism & Toxicology
- **Kalaska B, Kaminski K, MIKLOSZ J, et al.**
Heparin-binding copolymer reverses effects of unfractionated heparin, enoxaparin, and fondaparinux in rats and mice.
Translational Research

INTERNSHIPS

2020

- Polish Zebrafish Society Grant Travel, University of Warmia and Mazury in Olsztyn
-

MOST ESSENTIAL PRESENTATIONS AT SCIENTIFIC CONFERENCES

MELBOURNE | 2019

- XXVII Congress of the International Society on Thrombosis and Haemostasis
poster presentation

VIENNA | 2018

- 15th Congress of the ESC Council on Basic Cardiovascular Science
poster presentation

CRACOW | 2018

- 22th International Congress of the Polish Cardiac Society
oral presentation

BERLIN | 2017

- XXVI Congress of the International Society on Thrombosis and Haemostasis
poster presentation

MONTREAL | 2016

- 10th World Biomaterials Congress
oral presentation - awarded

GDANSK | 2016

- 24th International Student Scientific Conference
oral presentation

BIALYSTOK | 2016

- 11th Bialystok International Medical Congress for Young Scientists
oral presentation - awarded

BIALYSTOK | 2015

- 10th Bialystok International Medical Congress for Young Scientists
oral presentation - awarded

WASHINGTON, DC | 2015

- TechConnect World Innovation Conference
poster presentation

TORONTO | 2015

- XXV Congress of the International Society on Thrombosis and Haemostasis
poster presentation

THE ORGANIZING COMMITTEE

BIALYSTOK | 2017

- 12th Bialystok International Medical Congress for Young Scientists

BIALYSTOK | 2016

- 11th Bialystok International Medical Congress for Young Scientists

MONTREAL | 2016

- 10th World Biomaterials Congress
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TRAININGS

WARSAW | 2019

- VIII Conference of Progress Anticoagulant and Antiplatelet Therapy

WARSAW | 2017

- VI Conference of Progress Anticoagulant and Antiplatelet Therapy

ONLINE | 2019

- Anticoagulants in light of novel antiplatelet agents in NSTEMI-ACS Treatment of severe bleeding under oral anticoagulants-old and new strategies

STANFORD UNIVERSITY, USA | ONLINE | 2015

- Writing in the Sciences
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REFERENCES

Prof. Dariusz Pawlak, PhD

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Head of Department of Pharmacodynamics
Medical University of Bialystok
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