

# 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
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## 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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