

CURRICULUM VITAE

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Aleksandra Wajda

EDUCATION

- 2014 - 2018 **AGH University of Science and Technology**
Faculty of Materials Science and Ceramics
PhD in Materials Science, dissertation defended with distinction
- 2015 - 2016 **AGH University of Science and Technology**
Faculty of Management
Postgraduate studies, Quality Manager
- internal auditor certificate of integrated management system
 - internal auditor certificate of information security management system acc. ISO/IEC 27001:2013
 - certificate of integrated management system for management representatives
- 2009 - 2014 **AGH University of Science and Technology**
Faculty of Materials Science and Ceramics
MSc in Materials Science, specialization in Biomaterials and Composites,
Bachelor and Master degree awarded with distinction

EXPERIENCE

- 01.2020-present **AGH University of Science and Technology**
Faculty of Materials Science and Ceramics
Phosphate glass network containing iron and/or aluminium ions from experimental and theoretical point of view, no. 2017/27/B/ST8/01477, National Science Center, **contractor (post-doc.)**
- 01.2020-present **Jagiellonian University, Jagiellonian Centre for Experimental Therapeutics**
Diagnostics of the biochemical alterations in packed human red blood cells (PRBCs) with the use of vibrational spectroscopy, *SPEC-DIAG-RED*, LIDER/13/0076/L-8/16/NCBR/2017, The National Centre for Research and Development, **contractor**
- 02.2019-12.2019 **Jagiellonian University, Jagiellonian Centre for Experimental Therapeutics**
In search of biochemical, mechanical and functional fingerprints of oxidative stress in RBCs, no. 2016/23/B/ST4/00795, National Science Center, **contractor (post-doc.)**
- 2018-2019 **AGH University of Science and Technology**
Faculty of Materials Science and Ceramics
Functional layers of black glasses based on ladder-like silsesquioxanes, no. 2017/25/B/ST8/02602, National Science Center, **contractor**

INTERNATIONAL INTERNSHIPS

- 2014 – 2018 **AGH University of Science and Technology**
Faculty of Materials Science and Ceramics
Functional layers of black glasses based on ladder-like silsesquioxanes, no. 2014/15/ST8/0282, National Science Center, **contractor**
- 2011 - 2014 **AGH University of Science and Technology**
Faculty of Materials Science and Ceramics
Silsesquioxanes as ceramic precursors, no. 2659/B/T02/2011/40, Ministry of Science and Higher Education, **contractor**
- 2011 – 2013 **AGH University of Science and Technology**
Faculty of Materials Science and Ceramics
Direct crystallization of phospho-silicate glasses, no. 2011/01/N/ST8/07425, National Science Center, **contractor**
- 11.2017-02.2018 **Institute of Biomaterials, University of Erlangen-Nuremberg, Germany**
(duration 3,5 months)
- 04-06.2017 **Institute of Biomaterials, University of Erlangen-Nuremberg, Germany**
(duration 2,5 months)
- 01.2016-02.016 **Institute of Biomaterials, University of Erlangen-Nuremberg, Germany**
(duration 3 weeks)
- 01-05.2014 **The Pennsylvania State University, State College, United States**
(duration 3,5 months)

NATIONAL INTERNSHIPS

- 08-09.2016 **Internship in Bolix Company in Żywiec**, Laboratory and Quality Control Department and Research and Development Department (duration 1 month)
- 07-08.2012 **Student practice in Jagiellonian Centre for Experimental Therapeutics (JCET UJ)**, research in project: „Vascular endothelium in life-style diseases: from basic research to the offer of an innovative endothelium-targeted therapeutic” (duration 1 month)

LEADERSHIP OF PROJECTS

- 2016 – 2018 **AGH University of Science and Technology**
Faculty of Materials Science and Ceramics
Bioactive silico-phosphate glassy and glass-crystalline materials containing antibacterial ions, no. 2016/20/T/ST8/0204, National Science Center, **Leader of the project**

THE MOST IMPORTANT SCIENTIFIC CONFERENCES

- 11th Conference for young scientists in ceramics**, Novi Sad, Serbia, , 21-24.10.2015, **oral presentation**: *The structure and texture characterization of zinc doped bioactive glasses from NaCaPO₄-SiO₂ system*
- 4th European Young Engineers Conference**, Warsaw, Poland, 27-29.04.2015, **oral presentation**: *Influence of direct crystallization process on the bioactivity of silicate-phosphate glasses from KCaPO₄-SiO₂ system*
- 5th European Young Engineers Conference**, Warsaw, Poland, 20-22.04.2016, **oral presentation**: *Characterization of the magnesium-containing bioactive silico-phosphate glasses*
- 5th International PhD Seminar Dresden-Kraków-Warszawa**, Schmochtitz, Germany, 30.11-02.12.2016, **oral presentation**: *Structure and microstructure characterization of the magnesium-containing bioactive silico-phosphate glasses*

PRIZES AND AWARDS

6th European Young Engineers Conference, Warsaw, Poland, 24-26.04.2017, **oral presentation:** *Characterization of sol-gel derived glasses from binary system SiO₂-CaO containing cerium ions*

The Reward of the Rector of the AGH for scientific achievements, second degree, Kraków 2014

The Reward of the Rector of the AGH for scientific achievements, first degree, Kraków 2015

The Reward of the Rector of the AGH for scientific achievements, first degree, Kraków 2016

The Reward of the Rector of the AGH for scientific achievements, first degree, Kraków 2017

Award for poster and oral presentation during the conference „Diagnostics of Polymer Materials 2016”, Temu Italy, 12-19 March 2016

Scholarship of the Minister of Science and Higher Education for outstanding scientific achievements in 2013/2014

PUBLICATIONS AND PATENTS

The list of the most important publications is given in the publications tab.

Author of 13 publications (10 from JCR), the number of citations excluding self-citation=64,

H-index =6

Patent application no. P.43217RP, A. Wajda et al.

OTHER SCIENTIFIC ACTIVITIES

Reviewer in scientific journals: Journal of the American Ceramic Society, Ceramics International, Biomedical Glasses, Journal of the Australian Ceramic Society, Materials, Polymers, Materials Chemistry and Physics

Co-organization of Polish-German Summer Workshop "Treatment of large bone defects-from innovation to clinics, Cracow

Conference staff of 27th European Conference on Biomaterials 2015, Cracow

The member of the organizing committee of 14th International Conference on Molecular Spectroscopy 2017, Białka Tatrzańska