

WIESŁAW ABRAMOWICZ, M.S.

Currently searching for a full-time position.

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EDUCATION

08/2017
|
10/2013

Ph.D. Studies in Pharmaceutical Sciences (unfinished yet)

The Centre for Innovative Research 2012-2017, Faculty of Medicine with the Division of Dentistry and Division of Medical Education in English, Faculty of Pharmacy and Division of Laboratory Medicine, Medical University of Białystok

PL

Research area: Transcriptomic profiling of cancer cell line after drugs treatment using Agilent microarray and bioinformatic open-source tools.

Advisor: Prof. dr hab. Marzanna Cechowska-Pasko, Ph.D.

09/2013
|
10/2007

M.Sc. in Medical Analytics, PQF 7

Faculty of Pharmacy and Division of Laboratory Medicine, Medical University of Białystok

PL

Master's thesis: Expression of the APRIL particle in neutrofiils of patients with potentially malignant lesions of the oral mucosa.

Advisor: Prof. dr hab. Ewa Jabłońska, Ph.D.

Co-Advisor: dr Kamil Grubczak, Ph.D.

Dean's leave (10/2008 - 09/2009)

08/2007
|
09/2005

Pharmaceutical Assistant, PQF 4

Vocational School No. 1 of Health Care

Białystok, PL

EMPLOYMENT

12/2022
|
4/2021

Owner

WARZEM Wood & Stone, Solid Wood Artistic Carpentry Workshop.
Dąbrowa Białostocka, PL

- chopping down trees; • furniture design (using the golden ratio); • tools design; • cutting, planing, milling, sculpturing; • natural oils (no siccative, no PFAS); • website design with html5, css, yml.

CONTACT INFO

✉ immunol22@gmail.com

🐙 github.com/wabram

📷 [instagram.com/wa.rzem/](https://www.instagram.com/wa.rzem/)

☎ +48 798 298 280

SKILLS

Linux R

R Studio

Git GitHub

Markdown, $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$

HPC (openMPI, Rmpi), HTML5, CSS, YML

EXPERIENCE

Biostatistics.

Genomics & Transcriptomics data analysis.

NGS, Agilent's Microarray.

qPCR.

Laboratory Diagnostic.

LANGUAGES

Polish: Native

English: Proficient (C1)

09/2009
|
09/2008



Pharmaceutical Assistant

Pharmacy "Lobelia" Barbara Winsko.

📍 Białystok, PL

- advising for patients in OTC medication;
- issuing medicines prescribed by a physician;
- accepting and placing orders;
- delivering medicines to other points of sale.



PROFESSIONAL MEMBERSHIP

12/2018
|
01/2014



The Right to Practice the Profession in Laboratory Diagnostic. No 13786 KIDL

📍 Warsaw



RESEARCH EXPERIENCE

08/2017
|
10/2013



Ph.D. Student (unfinished)

The Centre for Innovative Research 2012-2017, Medical University of Białystok

📍 PL

- Performed laboratory and computational biology research on the effects of Ixazomib and Ursolic acid in the human transcriptome of the cancer cell line. [not published]
- Performed DNA sequencing with co-operation of **Prof. Rafał Płoski** using KAPA library (Medical University of Warsaw). [not published]



PROJECTS

Currently
|
10/2013



Transcriptomic profiling of a human kidney cancer cell line, Caki-2, after treatment of Ixazomib, Ursolic acid and jointly using microarray technology.

Advisor: **Prof. Marzanna Cechowska-Pasko, Ph.D.** Manuscript in preparation.

📍 Department of Pharmaceutical Biochemistry, Medical University of Białystok.

Currently
|
10/2014



DNA sequencing of clear cell renal cell carcinoma and healthy kidney area. "Genome-wide

methods in cancer genetics". BASTION. Co-operation: **Prof. Rafał Płoski, MD, Ph.D.** (Department of Medical Genetics, Medical University of Warsaw). Advisor: **Prof. Marzanna Cechowska-Pasko, Ph.D.** Manuscript in preparation.

📍 Department of Pharmaceutical Biochemistry, Medical University of Białystok.



WET LAB

2017
|
2011



Laboratory Experience

Interested in Oncology, Immunology, EpiOmics.

📍 Medical University of Białystok, PL

- BIO-RAD CFX Connect Real-Time PCR (qPCR);
- Agilent's microarray (two-color);
- NanoDrop 2000 (spectrophotometry);
- DNA, RNA extraction from cells (Qiagen, Promega, A&A Biotechnology);
- Agilent 2100 Bioanalyzer (RNA microcapillary electrophoresis);
- DNA, RNA gel electrophoresis;
- Western blot;
- PMN cells isolation;
- cells counting chambers;
- setting up cell cultures;
- optical microscope.

22/
|
25/09/2014

● **Courses:**
A&A Biotechnology

📍 Gdańsk, PL

• “Real-Time PCR”

• “Real-Time PCR - quantitative markings”

10/2014

● **Prof. Tomasz Motyl Laboratory Experience:**
Department of Physiological Sciences, WULS (SGGW)

📍 Warsaw, PL

• Agilent's expression microarray experiments.



DATA SCIENCE COURSES

11/2018

● **“Exploratory Data Analysis”**
coursera.org – online course

📍 Johns Hopkins University

• lattice.
• ggplot2.

• Clustering.
• Dimension Reduction.

06/2016

● **“NGS in Regulatory Gene Research”**
ideas4biology

📍 Poznań, PL

Coordinator: dr Michał Szcześniak, Ph.D.

Techniques: ChIP-chip, ChIP-Seq, ChIP-exo, CLIP-Seq, DNase-Seq, FAIRE-Seq, GRO-Seq, HiC, MeDIP-Seq, MBD-Seq, MNase-Seq, oxBS-Seq, RIP-Seq, RRBS-Seq, TAB-Seq, TSS-Seq, WGBS-Seq.

Linux. WinSCP, PuTTY.

Softwares: POLYPHEMUS, ChromHMM, Segway, MACE, DANPOS2, MeDUSA, diffReps, BSMAP, methylKit, Trimmomatic, Subread, BamTools.

Databases: OMICtools, AllSeq, ChIPBase, hmChIP, mirPath, miRTarBase.

02/2016

● **“Getting and Cleaning Data”**
coursera.org – online

📍 Johns Hopkins University

• MySQL.
• HDF5.

• dplyr.
• Regular Expressions.

01/2016

● **“R programming”**
coursera.org – online

📍 Johns Hopkins University

• R, RStudio.

01/2016

● **“The Data Scientist's Toolbox”**
coursera.org – online

📍 Johns Hopkins University

• Version Control (Git, GitHub).

• R Markdown.

16/
|
18/06/2014

● **“Using next-generation sequencing to analyse human transcriptome”**
Richard Dixon, Ph.D. – QIAGEN

📍 Medical University of Białystok, PL

08/
|
11/04/2014

● “Using next generation sequencing to analyse human genome”

Richard Dixon, Ph.D. – QIAGEN

📍 Medical University of Białystok, PL



IN SILICO

● Biostatistic experience {E} and interests {I}

Interested in Oncology, Immunology, EpiOmics.

- R packages (limma, RSubread, Gviz, biomaRt, etc.) {E}
- GLMs & Bayesian {E/I};
- basics of MySQL {E};
- basics of Python (PyScripter, PyMol, PyLasso, Autodock/Vina) {E};
- Agilent's GeneSpring GX {E};
- CLC Main Workbench {E};
- Pathway Analysis (GO, KEGG, Reactome, WikiPathways, HumanCyc, clusterProfiler, rSEA) {E};
- Machine Learning (Random forest, CatBoost, LightGBM, XGBoost, H2O) {I};
- Neural Networks (TensorFlow, Keras, etc.) {I};
- Multivariate Analysis (PCA, tSNE, UMAP, SONG, NMF, Ricci flow) {E/I};
- Comparative Analysis (Venn diagram) {E};
- Isobolograms {I};
- Topology {I}.

STUDENT MEMBERSHIP

2013
|
2012

● Member of the board of the Students' Scientific Society

Co-organizer of the **8th & 7th** Białystok International Medical Congress for Young Scientists.
Coordinator of Belarusian participants.

📍 Medical University of Białystok, PL

06/2013
|
10/2009

● Department of Immunology

Active participant of Student's Scientific Society.

Advisor: Prof. Ewa Jabłońska, Ph.D.

📍 Medical University of Białystok, PL

2011
|
2010

● Department of Pharmaceutical Biochemistry

Active participant of Student's Scientific Society.

Advisor: dr hab. Małgorzata Borzym-Kluczyk, Ph.D.

📍 Medical University of Białystok, PL

CONFERENCES

07/04/2014

● “Early diagnosis and treatment of neurodegenerative diseases”

Department of Biochemical Diagnostics, Department of Neurology, Department of Neurodegeneration Diagnostics, Department of Pediatrics, Gastroenterology and Pediatric Allergology of Medical University of Białystok

📍 Białystok, PL

PUBLICATIONS AND POSTERS

- 2013 ● **Tylirozyd, a flavonoid with cytotoxic properties. Poster presentation.**
Nationwide Scientific Symposium "Supplements a deity under the microscope of a pharmacist".
📍 Medical University of Białystok, PL
Abramowicz W.
- 2012 ● **APRIL molecule in patients with potentially malignant lesions of the oral mucosa (lichen planus).**
7th International Medical Congress for Young Scientists, Białystok, p.185
Abramowicz W., Wawrusiewicz-Kurylonek N., Garley M.
- 2010 ● **Alpha-mannosidase and beta-galactosidase activity in the serum of patients with colorectal adenocarcinoma.**
5th International Scientific Conference of Medical Students and Young Doctors, Białystok, p.132-133
Luto M., Choromańska B., Chwiła A., Wasiluk A., Abramowicz W.
- 2010 ● **Assessment of the activity of N-acetyl-beta-D-hexosaminidase, it's B enzyme and betaglucuronidase in the urine of patients with Lyme disease.**
5th International Scientific Conference of Medical Students and Young Doctors, Białystok, p.127
Choromańska B., Luto M., Abramowicz W., Chwiła A., Wasiluk A.
- 2010 ● **The activity of N-acetyl-beta-hexosaminidase, it's N-isoenzyme and beta-glucuronidase in the blood serum of patients suffering from Lyme disease.**
5th International Scientific Conference of Medical Students and Young Doctors, Białystok, p.128
Chwiła A., Luto M., Choromańska B., Wasiluk A., Abramowicz W.
- 2010 ● **Alanine and aspartic aminotransferase activity in blood serum of men after acute and chronic ethyl alcohol poisoning.**
5th International Scientific Conference of Medical Students and Young Doctors, Białystok, p.137-138
Wasiluk A., Abramowicz W., Luto M., Choromańska B., Chwiła A.

HOBBY

- **Biking, baking, cooking, books (QCD, manifolds, new technologies, marine art), pencil drawing, swimming, ski, interior design, DIY (wood & stone), photography.**

📍 Everywhere it is possible

Free
time
|
11/1986;)