

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 neutrofls 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 (kidney oncology).

Laboratory Diagnostic (urology inflammations).

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 wet laboratory and computational biology research using linear and Bayes statistic on the effects of Ixazomib and Ursolic acid in the human transcriptome (mRNA, lncRNA, lincRNA, sno/snRNA, ncRNA, miscRNA) of the kidney cancer cell line. [not published]
- DNA sequencing (1000 genes) of human cancer and normal kidney using KAPA library. [with co-operation of **Prof. Rafał Płoski** (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, Transcriptomic, Watson-Crick/Hoogsten paring.

📍 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.

- 25/01/2023 ● **“Good Things Come in Small Packages: Purifying miRNA from Plasma, Serum and Exosomes”**
Michelle Mandrekar – PROMEGA 📍 Online, PL
- Maxwell RSC miRNA
- 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, Transcriptomic, Watson-Crick/Hoogsten pairing.

• R packages (limma, RSubread, Gviz, biomaRt, etc.) {E}
• GLMMs & 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.

📍 Medical University of Białystok, PL

Advisor: Prof. Ewa Jabłońska, Ph.D.

2011
|
2010

● **Department of Pharmaceutical Biochemistry**

Active participant of Student's Scientific Society.

📍 Medical University of Białystok, PL

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

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, its 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, its 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

Free
time

11/1986;)

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

📍 Everywhere it is possible
Last updated on 2023-01-26.