Curriculum vitae

Name: **Średniawa**

First name: **Władysław**

Date and place of birth: June 19 1991, Warsaw

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Education and training

2010 - 2013	B. Sc. in Biotechnology: "Determination of the interaction point between fission yeast *Schizosaccharomyces pombe* Mmi1p and Erh1p proteins using the yeast two hybrid system" received from University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences
2013 - 2015	M. Sc. in Biotechnology: "Characteristic of the SpErh1p protein – Study of interaction with Mmi1p protein using the yeast two hybrid system" received from University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences
2015 - 2017	M. Sc. in Physics: "Influence of extracellular potassium on action potential propagation" received from University of Warsaw, College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences
2015	Training in medical bioimaging, "Advances in Medical Bioimaging", Neuroscience Research Center, Charité, Berlin, Germany.

Participation in projects

2010	„Cellular responses of *Saccharomyces cerevisiae* to DNA damage", Laboratory of Mutagenesis and DNA Repair, Institute of Biochemistry and Biophysics, Polish Academy of Sciences (PAS).
2012-2014	"Molecular characteristics of protein aggregates and study of assymetric inheritance of inclusion bodies", Institute of Biochemistry and Biophysics, PAS, Student Society of Molecular Biology, project leader.
2013	"Molecular characteristics of protein aggregates and study of assymetric inheritance of inclusion bodies", Alexander Silberman Institute of Life Sciences, Hebrew University of Jerusalem, Department of Cell and Developmental Biology, Jerusalem, Israel.
2012 - 2015	"Characteristics of ERH protein", Department of Molecular Biology, Faculty of Biology, University of Warsaw.
2015	"Brain development and brain plasticity at the molecular and electrophysiological levels", Neuroscience Research Center, Charité, Berlin, Germany.
2015 - 2016 -	"Application of graphene materials in nuclear physics experiments", Department of Nuclear Physics, Faculty of Physics, University of Warsaw. "Electrophysiology data analysis", Laboratory of Neuroinformatics, Nencki Institute of Experimental Biology, Warsaw, Poland.
2017 -	Company consultancy in medical projects for Immersion Sp. z o.o.

Internships

2010	Participation in a research project: „Cellular responses of *Saccharomyces cerevisiae* to DNA damage", Laboratory of Mutagenesis and DNA Repair, Institute of Biochemistry and Biophysics, PAS.
2015	Participation in a research project: "*Brain development and brain plasticity at the molecular and electrophysiological levels*", Neuroscience Research Center Charité, Berlin, Germany.

2016 Participation in research project: “Changes in current sources and connectivity across cortical layers during slow waves in a Fragile X model mouse”, Institut d’Investigacions Biomèdiques Albert Pi i Sunyer, Barcelona, Spain

Publications

2014 Ogrodnik M., Salmonowicz H., Brown R., Turkowska J., **Średniawa W.**, Pattabiraman S., Amen T., Abraham A.C., Eichler N., Lyakhovetsky R., Kaganovich D.: “Dynamic JUNQ inclusion bodies are asymmetrically inherited in mammalian cell lines through the asymmetric partitioning of vimentin”, Proc Natl. Acad. Sci. USA, 2014 Jun 3;
http://www.pnas.org/content/111/22/8049.full.pdf

Conferences

2013 **Średniawa W.** and Turkowska J.: Molecular characteristics of protein aggregates and study of assymetric inheritance of inclusion bodies” (in Polish), Academic Biotechnology Symposium - SYMBIOZA, 2013, Warsaw, Poland.

2014 **Średniawa W**. Ogrodnik M., Salmonowicz H., Brown R., Turkowska J., Pattabiraman S., Amen T., Abraham A.C., Eichler N., Lyakhovetsky R., Kaganovich D..; “Dynamic JUNQ inclusion bodies are asymmetrically inherited in mammalian cell lines through the asymmetric partitioning of vimentin”, poster session, Molecular & Cellular Neurobiology Gordon Research Conference, Hong Kong, June 2014.

2016 **Średniawa W,** Castaño-Prat P, Sanchez-Vives MV, Wójcik D; “Changes in current sources and connectivity across cortical layers during slow waves in a Fragile X model mouse”, Poster session, VI International Conference Aspects of Neuroscience, Warsaw, Poland

2017 **Średniawa W;** “Mechanisms of novel seizure pattern investigated with computational model”, Lecture, Principles of Autonomous Neurodynamics 2017, Warsaw, Poland, July 2017

Experience and skills

1. Good knowledge of software tools and programming (NEURON, Python, Origin, R, NeuTube, ImageJ, Lmeasure).
2. Simulation models development.
3. Analysis of wave signals with focus on EEG and *in vitro/in vivo* electrophysiology.
4. EEG measurements and basic electrophysiological skills.
5. Molecular biology skills: Western Blot, genetic vector construction and cloning, microscopy experiments with cell cultures (cell culture transfection).
6. Competence in mathematics (calculus, linear algebra, numerical methods, multivariate data analysis) and physics (biological systems modelling, experimental data analysis).
7. Writing scientific reports and papers.

Languages

English - Fluent (CFE B2 level)
German – Basic

Other activities

Tennis instructor
Padel player
Sailing