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| CURRENTLY | Postdoc in the Molecular Interactions and NMR lab<br>Instituto de Tecnologia Química e Biológica (ITQB)<br>Apartado 127 Av. da República (EAN)<br>2781-901 Oeiras, PORTUGAL<br>Tel: (+351)-214469300, FAX: (+351)-214411277<br>e-mail: mpalczewska@itqb.unl.pt |
| EDUCATION | 1996 – Master of Science, Faculty of Biology, Warsaw University,<br>2002 – Ph.D., Nencki Institute of Experimental Biology, Warsaw |
| TITLE OF THESIS | "Badanie funkcji jądrowych genów *Saccharomyces cerevisiae*: mss116 i dss1" (Studying the function of nuclear genes of *Saccharomyces cerevisiae*: mss116 and dss1); master thesis<br>"Structural and physiological characterization of neuronal calcium binding protein calretinin and its domain CRI-II"; Ph.D. thesis |
| EXPERIENCE | September 1995- June 1996, science teacher in high school combined with Masters lab project<br>October 1996 – October 2002, Ph.D. student at Department of Molecular and Cellular Neurobiology, Nencki Institute of Experimental Biology, Warsaw<br>November 2002 – October 2005 FEBS fellow in the laboratory of Prof. Jose Naranjo, CNB, Madrid<br>November 2005 - October 2008 Post-doctoral fellow laboratory of Prof. Jose Naranjo, Department of Molecular & Cellular Biology, CNB, Madrid<br>November 2009- present Postdoc to Dr. Patrick Groves, laboratory of Molecular Interactions and NMR<br>October 1997 – basic course in bioinformatics, Institute of Biophysics and Biochemistry, Warsaw, 1 week<br>October 2000 – September 2001, The Principles of Protein Structure, Using the Internet at Birkbeck College, London<br>September 2005 - 3rd European School in Bioinformatics, Madrid, 1 week<br>June 2009 – 2nd CERMAX practical course on basic NMR, ITQB |

July 2009 – PHYLOINF09 Computational Phyloinformatics - a GTPB-NESCent Collaboration NESCent (National Evolutionary Synthesis Center) and The Gulbenkian Training Programme in Bioinformatics Instituto Gulbenkian de Ciêcncia, Oeiras, Portugal,

AWARDS

September 2000 – distinction in the Witold Mozolowski contest for young biochemists for experimental work presented in poster form.

January 2002 - the Biochemical Journal poster prize at the XII International Symposium on Calcium Binding Proteins.

June 2002 – FEBS Short Term Fellowship for visit in the laboratory of Prof. Sara Linse, Lund

November 2002 – FEBS Long Term Fellowship

January 2010 – FCT post-doctoral grant

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PUBLICATIONS:


1. **M. Palczewska**, P. Groves and J. Kuźnicki, "Use of Pichia pastoris for the expression, purification, and characterization of rat calretinin "EF-hand" domains", ***Protein Expr. Purif.***, 1999, 17, 465-476.
2. P. Groves and **M. Palczewska** "Cation binding properties of calretinin, an EF-hand calcium-binding protein" ***Acta Biochim. Polon.***, 2001, 48, 113-119.
3. P. Groves, **M. Palczewska** and J. Kuźnicki "Calretinin, a calcium-binding protein, binds Copper", ***J. Neurochem***. 1999, 73, S44.
4. P. Groves and **M. Palczewska** "Cation binding properties of calretinin, an EF-hand calcium-binding protein" ***Acta Biochim. Polon.***, 2001, 48, 113-119.
5. A. Ambrus, G. Batta, K. E. Kövér, P. Groves, **M. Palczewska** and J. Kuźnicki "An NMR study of calretinin, a calcium binding protein. The first two domains", ***Biokemia (Hung.)***, 2001, 25, 37-39.
6. **M. Palczewska**, P. Groves, A. Ambrus, A. Kaleta, K. E. Kövér, G. Batta and J. Kuźnicki "Structural and biochemical characterization of neuronal calretinin domain I-II (residues 1-100); comparison to homologous calbindin $D_{28k}$ domain I-II (residues 1-93)", **Eur. J. Biochem.**, 2001, 268, 6229-6237.
7. M. Minczuk, A. Dmochowska, **M. Palczewska** and P.P. Stepien "Overexpressed yeast mitochondrial putative RNA helicase Mss116 partially restores proper mtRNA metabolism in strains lacking the Suv3 mt RNA helicase" ***Yeast***, 2002, 19, 1285-1293
8. **M. Palczewska**, P. Groves, G. Batta and J. Kuźnicki "Calretinin and calbindin D28k have different domain organizations", ***Protein Sci.***, 2003,12, 180-184.
9. **M. Palczewska**, G. Batta and P. Groves "Concanavalin A-agarose removes mannan impurities from an extracellularly expressed Pichia pastoris recombinant protein", ***Cell Mol. Biol. Lett.***, 2003, 8, 783-92.
10. W.A. Link, F. Ledo, B. Torres, **M. Palczewska**, T.M. Madsen, M. Savignac, J.P. Albar, B. Mellström, J.R. Naranjo "Day-night changes in downstream regulatory element antagonist modulator/potassium channel interacting protein activity contribute to circadian gene expression in pineal gland." ***J. Neurosci.***, 2004, 24, 5346-55.
11. P. Groves , **M. Palczewska**, M.D. Molero, G. Batta, F.J. Cañada, J. Jiménez-Barbero. "Protein molecular weight standards can compensate systematic errors in diffusion-ordered spectroscopy. ***Anal. Biochem.***, 2004, 331, 395-7.
12. **M. Palczewska**, G. Batta, P. Groves, S. Linse, and J. Kuźnicki "Localization of the Ca(2+)- and H(+)-dependent hydrophobic properties of calretinin", ***Protein Sci.***, 2005, 14, 1879-87.
13. M. Savignac, B. Pintado, A. Gutierrez-Adan, **M. Palczewska**, B. Mellström, and J.R. Naranjo "Transcriptional repressor DREAM regulates T-lymphocyte proliferation and cytokine gene expression.", ***EMBO J.***, 2005, 24, 3555-64.

14. P. Groves, K.E. Kövér, S. André, J. Bandorowicz-Pikula, G. Batta, M. Bruix, R. Buchet, A. Canales, F.J. Cañada, H-J. Gabius, D.V. Laurents, J.R. Naranjo, **M. Palczewska**, S. Pikula, E. Rial, A. Strzelecka-Kiliszek, and J. Jiménez-Barbero “Effect of temperature in Saturation Transfer Difference NMR experiments”, ***Magn. Reson. Chem.***, 2007, 45, 745-8.
15. P. Groves, A. Canales, M.I. Chavez, **M. Palczewska**, D. Diaz, F.J. Cañada, and J. Jiménez-Barbero “NMR investigations of lectin-carbohydrate interactions” Lectin Analytical Technologies, 2007, Elsevier, Amsterdam, 51-73. (**review**)
16. J.P. Ribeiro, **M. Palczewska**, S. André, F.J. Cañada, H-J. Gabius, J. Jiménez-Barbero, B. Mellström, J.R. Naranjo, D.J. Scheffers, P. Groves “Diffusion nuclear magnetic resonance spectroscopy detects substoichiometric concentrations of small molecules in protein samples.” Anal. Biochem. 2010, 396, 117-123.
17. **M. Palczewska**, I. Casafont, K. Ghimire, A.M. Rojas, A. Valencia, M. Lafarga, B. Mellström, J.R. Naranjo "Sumoylation regulates nuclear localization of repressor DREAM" ***Biochim Biophys Acta***. 2011, 1813, 1050-1058.
18. **M. Palczewska**, P.Groves, B. Mellström, and J.R. Naranjo “Defining the KCHIP3 dimer interaction surfaces sheds light on the expression of KCHIP isoforms and KV4 potassium channel formation.” In preparation.