

dr Agnieszka Szuba

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Short CV

24.03.1977	Born in Poznan, Poland
Marital Status: Married, 1 daughter (born 2010)	
2001	M.Sc. in Biotechnology, Adam Mickiewicz University, Poznan, Poland Diploma thesis on "Fungal endophyte <i>Epichloë typhina</i> in host populations of <i>Puccinellia dystans</i> : detection using molecular biology techniques."
2004-2005	Volunteer at Molecular Biology Techniques Laboratory, Adam Mickiewicz University, Poznan, Poland
2010	PhD in Chemistry, Biochemistry, Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan, Poland Ph.D. thesis on "Analysis of plant cell wall - cell membrane - cytoskeleton continuum protein modifications induced by nitric oxide."
Since 2010	Full position at Laboratory of Proteomics, Institute of Dendrology, Polish Academy of Sciences, Kornik, Poland
But also (not only science...):	
2003	Quality Department, Wyborowa S.A. (member of Pernod Ricard group), Poznan, Poland
2004	Quality Assurance Department, Kompania Piwowarska S.A. (member of SABMiller group), Poznan, Poland

Membership: Polish Society of Mass Spectrometry.

Research Area of Interest

- Plant cell wall proteomics.
- Posttranscriptional modifications of proteins caused by nitric oxide (especially S-nitrosylation and nitration).
- Influence of nitric oxide on plant cell wall-plasma membrane-cytoskeleton (WMC) continuum.
- Woody plant proteomics.

Current projects

- Phytoremediation of contaminated soil (including industrial wastewater and heavy metals contamination).
- Poplar proteomics.

Publications:

Szuba A, Wojtaszek P. [Structural modification of proteins induced by nitric oxide.] *Postepy Biochem.* **2010**;56(2):107-14. Polish.

Kasprowicz A., **Szuba A.**, Volkmann D., Baluska F., Wojtaszek P. (2009): Nitric oxide modulates dynamic actin cytoskeleton and vesicle trafficking in a cell type-specific manner in root apices. *J Exp Bot* 60: 1605-1617;

Kasprowicz A., Kierzkowski D., Maruniewicz M., Derba-Maceluch M., Rodakowska E., Zawadzki P., **Szuba A.** and Wojtaszek P.: Mechanical Integration of Plant Cell. In: Baluska F. (2008): *Plant-Environment Interactions from Behavioural Perspective* Springer Verlag, Berlin Heidelberg, pp. 1-21;

Rodakowska E., Derba-Maceluch M., Kasprowicz A., Zawadzki P., **Szuba A.**, Kierzkowski D. and Wojtaszek P.: Signaling and Cell Walls. In: Baluska F. (2008): *Signaling in Plants* Springer Verlag, Berlin Heidelberg, pp. 173-195;

Additional informations:

- Ettan TM Spot Picker Introduction, GE Healthcare: 2011, Kornik, Poland
- Workshop: "Biomolecules - Identification and Function": 2008, Krakow, Poland
- GCT Premier Operator Training Course (Waters): 2008, Poznan, Poland
- Bruker Polska: User's Meetings: 2006, 2007, Poznan, Poland
- III Poznan Summer School of Biorinformatics: 2004, Poznan, Poland