Curriculum Vitae

Elzbieta Janda

Personal data:

Date of birth: July, 4th 1971

Place of birth: Lancut, Poland

Nationality: Polish

Languages: Italian, Polish, English fluent, German good, Russian decent

Education:
1988-1990; High School in Cracow; Poland
1990-1995; University Studies, Biology, Specialization: Molecular Biology
Jagellonian University, Cracow, Poland

1994; External studies - 2 semesters
Tempus Scholarship
School of Biological Sciences, Manchester University, UK

1995; Degree in Biology
Diploma Thesis in cell biology, Institute of Molecular Biology
Prof.Dr. W. Korohoda, Jagellonian University, Cracow, Poland.

1996; Recognition of Polish University Degree by University of Messina

1996-1997 Training Stage (Tirocinio) in Molecular Biology
University of Messina, Italy
Dipartimento di Chimica Organica e Biologica,

1997 - 2001; PhD studies, International PhD Program
Institute of Molecular Pathology, Vienna Biocenter, Austria
Group of Prof. Dr. Hartmut Beug

December 2001 – Ph.D. thesis "Functional Dissection of Ras Downstream Pathways in a Mammary Tumorigenesis Model"
Institute of Molecular Pathology, Vienna Biocenter, University of Vienna

Fellowships:
1994 January-July; EU Tempus Scholarship, University of Manchester, UK
1997 – 2001; International PhD Program fellowship sponsored by Boeringer-Ingelheim

Janda E., short CV 02/2015

Positions:
1997-2001; PhD student and employee at the Institute of Molecular Pathology (IMP), Vienna Biocenter, Austria
2002 January, February, March; technical assistant at IMP, Vienna Biocenter
2002, April- December; Research Collaboration Contract with Prof. Michele Grieco, Department of Experimental Medicine, University Magna Graecia (UMG), Catanzaro
2004-2008, Research Collaboration Contract with prof. Giuseppe Scala, Department of Experimental Medicine, UMG, Catanzaro
Since 2008, December; Assistant Professor in Pharmacology (BIO/14), Department of Health Sciences (previously Pharmaco-Biological Sciences), UMG, Catanzaro

Career-related activities:
1999 June-July; visiting scientist, Laboratory of Signal Transduction, prof. Julian Downward, ICRF London, UK
2010, Organizator of the 1st International Conference: Environment, Biomarkers and Mechanisms,
2012; July and December; visiting scientist, Department of Physiology and Metabolism, University of Geneva, prof. Luca Scorrano
Since 2012; member of the committee for PhD program Life Sciences

Prizes and Awards:
1995; prize and special notification on the University Diploma for outstanding results, Jagellonian University, Cracow
2008; Young Investigator Award, University of Catanzaro
2012; EMBO (European Molecular Biology Organization) Short-Term Award for collaboration with Department of Physiology and Metabolism at University of Geneva, Switzerland

Research profile:
Elzbieta Janda is a scientist with international experience. She obtained her PhD in one of the most prestigious research institutes in Europe – Institute of Molecular Pathology (IMP) in Vienna. At the IMP, she worked in the group of Hartmut Beug, one of the world leading scientists in the field of epithelial cell biology and oncogene signal transduction. Her work crucially contributed to the understanding of the cross-talk between Transforming Growth Factor beta (TGF-beta) and Ras oncogene signaling cascades in epithelial cells and led to four high-impact publications.
In 2002 she accepted a research collaboration contract with the Department of Experimental Medicine, University of Catanzaro. During her collaboration with prof. M. Grieco, she continued to work on breast cancer models and studied molecular mechanism of E-cadherin downregulation during EMT in a tamoxifen responsive Raf oncogene mammary epithelial system.
In 2004 she started the postdoctoral collaboration with the group of G. Scala, where she devoted herself to the molecular and functional characterization of a novel protein, with an unique and evolutionary conserved structure – Inhibitor of Bruton Tyrosine Kinase (IBtk). This postdoctoral experience helped her to gain an excellent expertise in molecular biology and biochemistry and to develop a strong interest in molecular pharmacology.
In 2008 she applied for and won an Assistant Professor position in Pharmacology. Since 2009 she collaborates with the groups of prof. V.Mollace and prof. C.Isidoro. Her new position in Pharmacology led to an important switch in her scientific interests to mechanisms neurotoxicity and the role of astrocytes in this process. Within this topic, she focused on biological and pharmacological functions of ubiquinone oxido-reductases such as NQO2/QR2 in regulation of oxidative stress and autophagy by parkinsonian toxins and on the role of natural polyphenols as

antioxidants and metabolic regulators. More recently, she has concentrated on the role of astrocytes in Parkinson's disease models and autophagy, while the collaboration with prof. Mollace's group allowed her investigate the pharmacological effects and mechanisms of action of natural polyphenols from Citrus Bergamia in metabolic syndrome.

List of publications relevant to neuroscience and to natural polyphenols pharmacology:

1. Mollace, V.; Sacco, I.; Janda, E.; Malara, C.; Ventrice, D.; Colica, C.; Visalli, V.; Muscoli, S.; Ragusa, S.; Muscoli, C.; Rotiroti, D.; Romeo, F. Hypolipemic and hypoglycaemic activity of bergamot polyphenols: from animal models to human studies. **Fitoterapia 82**:309-316, **2011**

2. Janda, E.; Visalli, V.; Colica, C.; Aprigliano, S.; Musolino, V.; Vadala, N.; Muscoli, C.; Sacco, I.; Iannone, M.; Rotiroti, D.; Spedding, M.; Mollace, V. The protective effect of tianeptine on Gp120-induced apoptosis in astroglial cells: role of GS and NOS, and NF-kappaB suppression. **Br J Pharmacol 164**:1590-1599, **2011**

3. Janda, E.; Isidoro, C; Carresi, C, Mollace, V. Defective autophagy in Parkinson's disease: role of oxidative stress. **Molecular Neurobiology 46**: 639-661, **2012**

4. Janda, E.; Parafati, M.; Aprigliano, S.; Carresi, C.; Visalli, V.; Sacco, I.; Ventrice, D.; Mega, T.; Vadalá, N.; Rinaldi, S.; Musolino, V.; Palma, E.; Gratteri, S.; Rotiroti, D.; Mollace, V. The antidote effect of Quinone Oxidoreductase 2 (QR2) inhibitor on paraquat-induced toxicity in vitro and in vivo. **Br J Pharmacol 168: 46-59, 2013**

5. Gliozzi M., Walker, R., Muscoli, S., Vitale, C., Gratteri, S., Carresi, C., Musolino, V., Russo, V., Janda, E., Ragusa, S., Aloe, A., Palma, E., Muscoli, C., Romeo, F., D.; Mollace, V. Bergamot polyphenolic fraction enhances rosuvastatin-induced effect on LDL-cholesterol, LOX-1 expression and protein kinase B phosphorylation in patients with hyperlipidemia. **International Journal of Cardiology** 170 (2): 140-145, **2013**

6. Dagda,R.K., Banerjee T.D., Janda, E. How Parkinsonian Toxins Dysregulate the Autophagy Machinery. **International Journal of Molecular Sciences** 14(11): 22163-22189; **2013**

7. Walker R., Janda E., Mollace V. The use of Bergamot Polyphenol Fraction in Cardiometabolic Risk Prevention and its Possibile Mechanisms of Action. Chapter 84 in **Polyphenols in Health and Disease,** Elsevier, DOI:http://dx.doi.org/10.1016/ B978-0-12-398456-2.00084-0, **2014**

8. Janda E., Lascala A., Carresi C., Aprigliano S., Russo V., Parafati M., Ziviani E., Musolino V., Isidoro C., Mollace V. Parkinsonian toxin-induced oxidative stress inhibits basal autophagy in astrocytesvia Quinone Oxidoreducatse 2. **Autophagy,** in revision; **2015**

9. Parafati M. , Lascala A, Morittu VM, Trimboli F, Rizzuto A, Brunelli E, Coscarelli F, Costa N, Britti C, Isidoro C, Mollace V and Janda E. Bergamot Polyphenol Fraction prevents Non-alcoholic Fatty Liver Disease via stimulation of lipophagy in cafeteria diet-induced rat model of metabolic syndrome. **Journal of Nutritional Biochemistry**, in revision; **2015**.