

# **CURRICULUM VITAE**

## **ANITA KRIŠKO**

**Date of Birth:** August 15<sup>th</sup>, 1979.

**Place of Birth:** Varaždin, Croatia

### **Contact Address:**

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### **Education and Positions:**

**2001**, Bsc Molecular biology, Department of Biology, Faculty of Science, University of Zagreb

**2002-2005**, PhD student, Rudjer Boskovic Institute, Zagreb, Croatia

**2006 – 2007**, postdoctoral fellow, Equipe de Bioinformatique Genomique et Moleculaire, Universite Denis Diderot – Paris 7, Paris, France

**2007-2008**, junior group leader, Mediterranean Institute for Life Sciences, Split Croatia

**2007 – present**, INSERM U1001, Faculte de Medecine Paris Descartes &

Mediterranean Institute for Life Sciences, Split Croatia, research scientist

### **Teaching activities:**

**2000 - 2005**, Teaching assistant, Faculty of Science, Zagreb

**2007 - present**, immediate supervisor to a number of PhD, master and undergraduate students at the Mediterranean Institute for Life Sciences, Split, Croatia

### **Fellowships and Awards:**

**2001**. Rector's Award at the University of Zagreb

**2003**. COST D22 Fellowship for the stay at University of Southampton, UK

**2004**. COST D22 Fellowship for the stay at Free University of Bruxelles, Belgium

**2004**. French Government Fellowship for the stay at University Denis Diderot – Paris 7.

**2006**. Award of the Rotary Club Varazdin, Croatia, Best PhD in 2005.

**2006**. UNESCO-L'Oreal prize 'For Women in Science'

- 2006.** Fellowship of the Austrian Academy of Sciences (Werkvertrag) for the stay at Institute of Biophysics and Nanosystems Research, Graz, Austria
- 2007.** Selected participant at the Lindau meeting with Nobel laureates in physiology and medicine
- 2007.** poste vert INSERM fellowship for foreign researchers
- 2009.** National Science Award for Young Researchers, Croatia
- 2009.** City of Varazdin honorary award

### **Selected conference and seminar participations:**

- 2004.** Invited speaker at the Bioinformatics Workshop at Rudjer Boskovic Institute
- 2005.** Group leader at Summer School of Science (homology modeling and protein structure analysis), Visnjan, Croatia
- 1/2006.** Invited seminar at Institute of Biophysics and Nanosystems Research, Graz, Austria, title: Theoretical model of apolipoprotein B100 structure
- 4/2006.** Invited seminar at Institut de Biologie Physico-Chimique, Paris, title: The solubilization of apolipoprotein B100 by using amphipol molecules
- 7/2006.** Invited speaker at 1st Summer School 'Structure and Evolution: From Bench to Terminal', Split, Croatia, title: Determination of macromolecular assembly structure – theory meets experiment
- 8/2006.** Invited speaker at Summer School of Science, Visnjan, Croatia, title: Lonely proteins: structure and dynamics of protein assemblies
- 6/2007.** Invited seminar at Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split, Split, Croatia, title: Development of Bioinformatics
- 6/2007.** Invited seminar at Ecole Polytechnique Federale de Lausanne, Lausanne, Switzerland, title: Adaptation of macromolecules to extreme conditions of life
- 8/2007.** Invited speaker at the Summer School of Science, Visnjan, Croatia, title: Some like it hot: Living in extreme conditions

### **Organization of conferences:**

- Member of the Organizing Committee for 3<sup>rd</sup> Workshop COST D22 **Protein-Lipid Interactions**, October 6<sup>th</sup> – 9<sup>th</sup>, 2005, Dubrovnik, Croatia.
- Member of the Organizing Committee for the 1<sup>st</sup> Summer School of the Mediterranean

Institute for Life Sciences (Medils) '**Structure and Evolution: From Bench to Terminal**', Split, Croatia (2006).

- Member of the Organizing Committee for the 2008 MedILS Summer School '**Life in Extreme condition**', Split, Croatia.
- Co-author of the exhibition of protein structures and cellular components '**Science in pictures - hidden reality**'
- Active in science popularization and reinforcing of dialogue between science and society through series of exhibitions of protein structures.

### **Selected peer-reviewed publications:**

1. Kveder M., Kriško A., Pifat G., Steinhoff H.J. (2003) The study of structural accessibility of free thiol groups in human plasma low density lipoproteins, *Biochimica et Biophysica Acta – Molecular and Cell Biology of Lipids* 1631 (3): 239 – 245.
2. Kriško A., Piantanida I., Kveder M., Pifat G. (2004) The analysis of  $\beta$ -carotene absorbance for studying structural properties of human plasma low density lipoproteins, *Analytical Biochemistry*, 331: 177-182.
3. Kriško A., Kveder M., Pifat G. (2005) Effect of caffeine to oxidation susceptibility of human plasma low density lipoproteins, *Clinica Chimica Acta*, 355: 47-53.
4. Kriško A., Piantanida I., Kveder M., Pifat G., Lee A., Greilberger J., Kipmen-Korgun D., Jürgens G. (2005) The effect of heparin on structural and functional properties of low density lipoproteins, *Biophysical Chemistry*, 119: 234-239.
5. Kveder M., Marinić Ž., Kriško A., Vikić-Topić D., Pifat G. (2006) Lipid-protein interactions in low density lipoprotein evidenced by magnetic resonance, *Chemistry and Physics of Lipids*, 141:225-229.
6. Kriško A. and Etchebest C. (2006) Theoretical model of human apolipoprotein B100 tertiary structure, *Proteins: Structure, Function, and Bioinformatics*, 66:342-358.
7. Kriško A., Stjepanović G., Pifat G., Ruyschaert JM., Goormaghtigh E. (2007) Detection of apolipoprotein B100 early conformational changes during oxidation, *BBA Biomembranes*, 1768(11):2923-30.
8. Kulisić T., Kriško A., Dragović-Uzelac V., Milos M., Pifat G. (2007) The effects of essential oils and aqueous tea infusions of oregano (*Origanum vulgare* L. spp. *Hirtum*), thyme (*Thymus vulgaris* L.) and wild thyme (*Thymus serpyllum* L.) on the copper- induced oxidation of human low-density lipoproteins. *Int J Food Sci Nutr*, 58(2):87-93.
9. Goldstein P., Zucko J., Vujaklija D., Kriško A., Hranueli D., Long P.F., Etchebest C., Basrak B., Cullum J. (2009) Clustering of protein domains for functional and evolutionary studies. *BMC*

Bioinformatics, 10: 335.

- 10.** Awile O., Krisko A., Sbalzarini I.F., Zagrovic B. (2010) Intrinsically disordered regions may lower the hydration free energy in proteins: a case study of nudix hydrolase in the bacterium *Deinococcus radiodurans*. *Plos Comput Biol*, 6 (7):e1000854.
- 11.** Krisko A., Radman M. (2010) Protein damage and death by radiation in *Escherichia coli* and *Deinococcus radiodurans*. *Proc Natl Acad Sci USA*, 107: 14373-7.
- 12.** Krisko A., Smole Z., Debret G., Nikolic N., Radman M. (2010) Unstructured hydrophilic sequences in prokaryotic proteomes correlate with dehydration tolerance and host association. *J Mol Biol* 402: 775-82.
- 13.** Smole Z., Nikolic N., Supek F., Smuc T., Sbalzarini I.F., Krisko A. (2011) Proteome sequence features carry signatures of the environmental niche of prokaryotes. *BMC Evol Biol* 11:26.