

Jelena Korać, BCs

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Nationality: Croatian

Date of Birth: January 5th 1983

Place of Birth: Zagreb, Croatia

Education

- 06/2007 – to date **Mediterranean Institute for Life Sciences, Split, Croatia**
PhD program, Tumor Biology Laboratory
- 09/2004 – to date **Faculty of Pharmacy and Biochemistry, University of Zagreb, Croatia**
B.Sc. Degree in Medical Biochemistry. Degree expected – February 2009
- 09/2001 – 04/2007 **Department of Biology, Faculty of Science, University of Zagreb, Croatia**
B.Sc. Degree in Biology - Molecular biology
- 09/1997 – 06/2001 **High School**, Grammar school, VII Gimnazija, Zagreb, Croatia

Research experience

- 05/2007 – to date **Mediterranean Institute for Life Sciences, Split, Croatia**
Guided Research in the research group of Dr. Ivan Đikić
Science Project: Role of Ubiquitin in regulated protein degradation
- 03/2006 – 04/2007 **Ruđer Bošković Institute, Division of Molecular Medicine, Zagreb, Croatia**
Guided Research in the research group of Dr. Jasminka Pavelić
Science Project: Tumor gene therapy – correction of oncosuppressor genes
Expression and role of nm23 in the processes of proliferation and differentiation of head and neck tumor cells in vitro
- 06/2006 – 08/2006 **Baylor Collage of Medicine, Department of Molecular and Cellular Biology Houston, USA**
Guided Research in the research group of Dr. Jeffrey Rosen
Science Project: Mammary gland development and breast cancer
Making C/EBP β .Cre*PR construct using BAC recombineering technology
- 11/ 2004 – 02/ 2006 **School of Medicine, Department of Physiology, University of Zagreb, Croatia**
Guided Research in the research group of Dr. Mirza Žižak
Science project: Membrane topology of epithelial Na⁺/H⁺ exchanger NHE3
Determining interaction between CaMKII and NHE3 using PS120 fibroblasts expressing NHE3
- 09/ 2004 – 10/2004 **School of Medicine, Department of Physiology, University of Split, Croatia**
Guided Research in the research group of Dr. Janoš Terzić
Science project: Research of Inheritable Glucose-6-phosphate dehydrogenase Deficiency
Detecting mutations in human gene for G6PD using SSCP and FRLP

Practical experience

- 10/ 2003 – 07/2005 **Student tutor in Computer Lab**
Assisting in basic computer maintenance, providing help for users
- 10/2003 – 06/2004 **Student tutor for practical course of Biochemistry**
Demonstrated the procedure of exercises, assisted in explaining the theory
- 10/2003 – 06/2004 **Student tutor for practical course of Cell Biology**
Demonstrated the procedure of exercises, assisted in explaining the theory

Publications

1. Barišić M, **Korać J**, Pavlinac I, Krželj V, Marušić E, Vulliamy T, Terzić J: Characterization of G6PD deficiency in southern Croatia: description of a new variant, G6PD Split, Journal of Human Genetics, 50 (2005), 11; 547 – 549
2. Kuliš T, Bartoniček D, **Korać J**, Žižak M: Calmodulin dependent protein kinase II (CaMKII) binds and inhibits NHE3 under basal condition, Abstract Book, Zagreb International Medical Summit-a 2005, Zagreb, 2005.
3. Žižak M, Bartoniček D, Cha B, Murtazina R, **Korać J**, Tse CM, Donowitz M: Calcium/Calmodulin Dependent Protein Kinase II Constitutively Binds, Phosphorylates and Regulates the Ileal BB Na⁺/H⁺ Exchanger NHE3, Journal of Biological Chemistry (2006) – in the process of being published

Scholarships and Awards

- 2006 SCIENCE Award – The National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia
- 10/2006 – to date Scholarship – City of Zagreb
- 10/2004 – 09/2005 Scholarship – City of Zagreb
- 10/2001 – 09/2004 Scholarship – Ministry of Science, Education and Sports

Languages

- Croatian: mother tongue
- Fluent in written and spoken English
- Basic knowledge of German

Computer skills

- Tools: Microsoft Office (MS Office, MS Excel, MS PowerPoint, e-mail, internet) – excellent
- Operating systems: Microsoft Windows 95/98/ME/NT/2000/XP - excellent

Interests, Hobbies

- Sports – Badminton, Aerobic, Skiing