PERSONAL INFORMATION

SANJA AVEIC, PhD

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WORK EXPERIENCE

May 2014-Present

Post-Doc Research Fellowship "Improving cure rates for children with cancer, focus on patients that currently do not respond to therapy"

Pediatric research institute, Corso Stati Uniti 4, 35127, Padua, Italy

- Research activity in Neuroblastoma lab – management of cellular and molecular biology approaches in pharmacological studies

Pediatric Oncology - Neuroblastoma

May 2011 - May 2014

Post-Doc Research Fellowship "New diagnostic approaches for the innovative therapies of haematopoietic neoplasias"

Department of Woman and Child health, Laboratory of oncohaematology, 3, Giustiniani street, Padua, Italy

- Research activity in Oncohematology lab – application of cellular and molecular biology techniques for a selection of novel therapeutic combinations

Pediatric Hemato-Oncology

January 2011 - May 2011

Post-doc scholarship "Characterization of novel chromosomal misbalances in AML by ArrayCGH analysis "

Paediatric department Salus Pueri, 3, Giustiniani street, Padua, Italy

- Work on project using ArrayCGH analysis and DNA isolated from bone marrow samples from de novo AML.

Pediatric Hemato-Oncology

EDUCATION AND TRAINING

January 2008 – December 2010

PhD

University of Padova Paediatric department Salus Pueri, 3, Giustiniani street, Padua, Italy

- PhD thesis realization regarding BAG1 protein role in Acute Myeloid Leukemia, applying broad range of molecular and cell biology techniques

July 2005 – December 2007

Master of science

Institute of Molecular genetics and Genetic Engineering, 444a, Vojvode Stepe street, Belgrade, Serbia

- Realization of the Master Thesis "Mutations in FLT3 gene as markers for diagnosis and follow-up of Acute Myeloid Leukaemias", using standard molecular biology methodologies

September 1999 –July 2005

Graduated molecular biologist and physiologist

Department of Molecular Biology and Physiology, Group of Experimental Biomedicine, Faculty of Biology, University of Belgrade, Serbia

- Theoretical education in molecular and microbiology, physiology, and adequate experimental practice within the same fields

September 1995 – June 1999

Pharmaceutical technologist

High school of Medicine, bb, Veljka Dugosevica street, Belgrade, Serbia

- Theoretical and practical experience in pharmaceutical technology and medicine

PERSONAL SKILLS

Mother tongue(s): Serbian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Italian	C1	C1	C1	C1	C1
French	A2	A2	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Optimistic, friendly, easy-going person, dedicated, responsible, hard working, found of reading, music, theatre, history. As a member of Young Researchers of Serbia (www.mis.org.rs) participate in the international volunteering programs.

Organisational / managerial skills

- Capacities in writing, organizing and leading scientific projects.

Job-related skills

Molecular biology techniques: Standard PCR, competitive PCR, Reverse Transcription PCR, RFLP (restriction fragment length polymorphism), Real Time Quantitative PCR, Gel Electrophoresis, DNA and RNA isolation and purification, Protein isolation and Western Blot Analysis, Immunoprecipitation, Immunocytochemistry, Sequencing, Bacterial manipulation and Cloning, Array CGH (comparative genomic hybridization), drug testing and analysis of drug combination efficiency (using MTT as a tool), siRNA and miRNA study.
Cellular biology techniques: Cell lines and primary(ex vivo) cell cultivation, Cell Transfection, Flow citometry, clonogenicity assay.
In vivo models: Basic manipulation with zebrafish embryos.
Certificate for Basic Life Support (BLS).

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Computer skills: Word, Excel, PowerPoint, Internet, GraphPad, Photoshop

Other skills

“Bel canto" opera singing
Found of reading and writing (Author of the Article - “A world full of prejudices” in journal Cittadino globale)
Zumba instructor

Driving licence

B

ADDITIONAL INFORMATION

Pubblications

1. Tregnago C, Manara E, Zampini M, Bisio V, Borga C, Bresolin S, Aveic S, Germano G, Basso G, Pigazzi M. CREB engages C/EBPδ to initiate leukemogenesis. Leukemia. 2016 May 24.
2. Aveic S*, Pantile M, Seydel A, Esposito MR, Zanon C, Li G, Tonini GP. Combating autophagy is a strategy to increase cytotoxic effects of novel ALK inhibitor Entrectinib in neuroblastoma cells. ONCOTARGET 2015 Epub ahead of print.
3. Aveic S*, Viola G, Accordi B, Micalizzi C, Santoro N, Masetti R, Locatelli F, Basso G, Pigazzi M. Targeting BAG-1: a novel strategy to increase drug efficacy in acute myeloid leukemia. EXPERIMENTAL HEMATOLOGY 2015; 43:180–190.

4. Manara E, Tregnago C, Aveic S, Bisio V, Bresolin S, Masetti R, Locatelli F, Basso G, Pigazzi M. MLL-AF6 Chimera Sequesters AF6 into the Nucleus to Activate RAS Pathway in Pediatric Acute Myeloid Leukemia JOURNAL OF PEDIATRIC HEMATOLOGY/ONCOLOGY 2014; 36(4):E256-E257.

5. Manara E, Baron E, Tregnago C, Aveic S, Bisio V, Bresolin S, Masetti R, Locatelli F, Basso G, Pigazzi M. MLL-AF6 fusion oncogene sequesters AF6 into the nucleus to trigger RAS activation in myeloid leukemia. BlOOD 2014; 124(2):263-272.

6. Pigazzi M, Manara E, Bisio V, Aveic S, Masetti R, Menna G, Zecca M, Pession A, Locatell F, Basso G. Screening of novel genetic aberrations in pediatric acute myeloid leukemia: a report from the AIEOP AML-2002 study group. Blood 11/2012; 120(18):3860-3862.

7. Aveic S, Pigazzi M, Basso G. BAG1: The Guardian of Anti-Apoptotic Proteins in Acute Myeloid Leukemia. PLOS ONE 2011; 6.

8. Colovic N, Tosic N, Aveic S, Djuric M, Milic N, Bumbasirevic V, Colovic M, Pavlovic S. Importance of early detection and follow-up of FLT3 mutations in patients with acute myeloid leukemia. ANNALS OF HEMATOLOGY 2007; 86:741-747.

9. Stojiljkovic M, Stevanovic A, Djordjevic M, Petrucev B, Tosic N, Djurasevic TK, Aveic S, Radmilovic M, Pavlovic S (2007). Mutations in the pah gene: a tool for population genetics study. ARCHIVES OF BIOLOGICAL SCIENCES 2007; 59:161-167.

* - corresponding author.

Conference

1. Jevtovic MT, Kocic MG, Pavlovic DD, Tosic MN, Aveic S, Marjanovic G, Macukanovic-Golubovic DL, Djordjevic BV. Tumor necrosis factor, tumor necrosis factor receptors type 1 and 2, lymphotoxin-alpha gene polymorphism in lymphoproliferative diseases in Serbian population. FEBS JOURNAL 2009; 276: 107.

2. Maja MS, Stevanovic ZA, Djordjevic SM, Petrucev B, Tosic MN, Karan-Djurasevic ZT, Aveic S, Radmilovic MM, Pavlovic TS. Elucidation of the origin of L48S PAH mutation in Serbian population. JOURNAL OF INHERITED METABOLIC DISEASE 2007; 30: 9.

3. “Activation of autophagy decrease efficiency of RXDX-101, a novel ALK inhibitor, in neuroblastoma cells” - oral presentation AIEOP in LAB 2015, Italy.

4. "Preclinical test of a new ALK inhibitor RXDX-101; a potential compound for treatment of ALK overexpressing NB patients" - oral presentation SIOPEN 2015, Dublin, Ireland.

5. “ZNF521 is a zinc finger protein that prevents differentiation of human MLL-AF9-positive myeloid leukemic cells” poster – ASH Annual Meeting and Exposition, 2013, New Orleans, USA.

6. “BAG-1 controls BCL2 levels and its driven apoptotic network in Acute Myeloid Leukemia” oral presentation AIEOP in LAB 2013, Italy

7. ”BAG1 Overexpression Restrains the Anti-Apoptotic BCL2, MCL1 and HSP70 Proteins in Acute Myeloid Leukemia” poster – ASH Annual Meeting and Exposition, 2012, Atlanta, USA.

8. “BCL2 ASSOCIATED ATHANOGENE-1 (BAG-1) IS OVEREXPRESSED IN CHILDHOOD AML” abstract - 17th Congress of EHA, 2012, Netherland

9. “High expression of BAG1 protein keeps AML cells away from apoptosis” poster – EHA-ESH workshop, 2011, France

10. “Studio di BAG1 nelle LAM pediatriche” abstract– AIEOP in Lab 2011, Italy

11. “BAG-1 in acute leukemia” poster - 15th Congress of EHA, 2010, Spain

12. “BAG-1 esspressione in leucemia acuta” abstract- AIEOP in Lab workshop, 2009, Italy

13. “BAG-1 expression in acute leukemia” poster - ESH international Conference on Mechanisms of cell death and disease, 2008, Portugal

14.“Optimization of therapy for Thiopurine S-Methyltransferase deficient childhood Acute Lymphoblastic Leukemia patients“ oral presentation - 7th Balkan Meeting on Human Genetics, 2006, Skopje, Macedonia

Collaborations

May 2015 –present collaboration with Luca Longo from Azienda Ospedaliera Universitaria San Martino di Genoa, Italy.

January 2012 – May 2014 collaboration with Giuseppe Germano’s research team on the study of MLL-AF9 rearranged AML, Department of Woman and Child health, Laboratory of oncohaematology, University of Padua, Italy.

From September 2013 - collaboration with Giampietro Viola’s research team for the pharmacological studies in ALL and ALL, Department of Woman and Child health, Laboratory of oncohaematology, University of Padua, Italy.

July 2012 – May 2014 collaboration with Stefano Indraccolo, UOC Immunologia e Diagnostica Molecolare Oncologica, Istituto Oncologico Veneto, Padua, Italy

Courses

22-26 Sept ember 2008 Summer school “Experimental course in the field of medicine”, by Instituto Veneto di Medicina Molecolare (VIMM) in Padua, Italy

September 2006 - December 2007 Partecipation at the project FP6 “Health improvement in Serbia trough reinforcement of biomedical science and technology”, IMGGE, Belgrade, Serbia

3-8 July 2006 Summer school “Cell and Tissue Engineering”, Belgrade, Serbia

Nov ember 2003 - January 2004 Partecipation at the project "The effects of adrenalectomy on the activity of monoamine oxidase in rat's diencephalon and hippocampus", Laboratory for endocrinology, Faculty of Biology, University of Belgrade, Serbia

February 2003 - May 2003 Experimental practice at the Laboratory of physiology, Faculty of Biology, University of Belgrade, Serbia

November 2002 - January 2003 Experimental practice in the Laboratory of Electrophysiology, Faculty of Biology, University of Belgrade, Serbia

Awards and scholarships

2008 – 2010 Padova’s University scholarship for the International Students (CARIPARO Project), Padova, Italy

2002 – 2005 Belgrade’s University scholarship, Belgrade, Serbia

1995 Diploma "Vuk Stefanovic Karadzic" for academic excellence

Certifications

Certificato di Basic Life Support (BLS)

Associations / groups

Associazione Italiana per la lotta al Neuroblastoma

http://www.neuroblastoma.org/interessante-scoperta-laboratorio-padova/