

Jovana (Trifunović) Ristovski

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Maiden name: Trifunović

Objective:

CURRENT POSITION

Apr.2015--Present *Research Assistant at the Department of Pharmacology, Toxicology and Clinical Pharmacology, Faculty of Medicine, University of Novi Sad, Serbia*

ACADEMIC QUALIFICATIONS

May 2016 *Pharm. D. , Faculty of Medicine, University of Novi Sad, Serbia*
Thesis research project involved exploring bile acids and their derivatives as signaling molecules.
Supervisor: Prof. Dr. Svetlana Golocorbin Kon

Oct.2003-Sep 2009 *M.Sc. of Pharmacy, Faculty of Medicine, University of Novi Sad, Serbia*
Title of thesis: Synthesis and determination critical micelle concentration of selected bile acids.
Supervisor: Prof. Dr. Mihalj Posa
Cumulative GPA 9,50/10

PROFESSIONAL EXPERIENCE

Dec. 2011—Present **Research Experience:**

Research Assistant, Department of Pharmacology, Toxicology and Clinical Pharmacology, Faculty of Medicine, University of Novi Sad, Serbia.
Synthesis and characterization (HPLC, LC-MS, NMR) of selected bile acid derivatives. SAR studies of bile acid derivatives.

Feb. 2013 –Present **Teaching Experience:**

Teaching general pharmacology at Department of Pharmacology, Toxicology and Clinical Pharmacology, Faculty of Medicine, University of Novi Sad, Serbia

Planning and teaching general pharmacology practical course for 30 senior undergraduate students. Responsibilities included lecturing, preparing the practical course, holding office hours and grading exams.

Oct.2009-Nov.2010 *Teaching Assistant in Organic chemistry I, Organic chemistry II and Physical Chemistry, Department of Pharmacy, Faculty of Medicine, University of Novi Sad, Serbia*
Gained experience in adapting to different scientific levels and backgrounds of coworkers, stimulating scientific discussion and self-reflection. Participated in evaluation committees and graded M.Sc. essays.

STAYS ABROAD

Apr. 2017-July 2017 *Department of Pharmaceutical Chemistry, Faculty of Life Sciences, University of Vienna, Austria*

Mar.2014-July 2014 *Institute of Organic Chemistry, Technical University Graz, Austria*

Nov. 2012-Apr.2013 *Institut für Chemie, Karl-Franzens-Universität Graz, Austria*

FELLOWSHIPS

Apr.2017-July2017 *Albert Renold Fellowship, EFSD*

Mar.2014-July 2014 *CEEPUS Fellowship*

Nov.2012-June 2013 *Erasmus Mundus, JoinEU-SEE*

Mar.2012-Mar.2015 *Ministry of Science Republic of Serbia Fellowship*

Oct.2004-Oct.2008 *Ministry of Science Republic of Serbia Fellowship*

AWARDS

2009 *University award for success in studying*

2002 *National Chemistry Competition held in Serbia, high school, second place*

INTERNSHIPS

Apr. 2017-July 2017 *Postdoctoral Student, Department of Pharmaceutical Chemistry, Faculty of Life Sciences, University of Vienna, Austria*
Learn: docking, 3D QSAR, Pharmacophore modeling

Mar.2014-July 2014 *Visiting Student, Institute of Organic Chemistry, Technical University Graz, Austria*
Learn LC-MS, GC-MS, HPLC and Schlenk line.

Nov. 2012-Apr.2013 *Visiting Student, Institut für Chemie, Karl-Franzens-Universität Graz, Austria*
Learn NMR Techniques: 1D (Hydrogen, 13Carbon), 2D (COSY, TOCSY, NOESY, ROESY).

Oct.2009-Nov.2010 *Internship, University Children's Hospital, Novi Sad, Serbia*
Practical experience relying on my degree courses involving assisting in the dispensing of drugs.

OTHER RELEVANT WORK EXPERIENCE

Apr. 2011-
Dec.2011 *Pharmacist, Phoenix, Novi Sad, Serbia*
8 months placement as Pharmacist: counseling, preparation of drugs, selling. Further developed communication skills and business awareness. Took the initiative to reorganize stock and improve its handling. Gained experience in team work, meeting deadlines and multitasking.

PERSONAL SKILLS

Mother tongue *Serbian*

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	B2	B2	B2	B2	B2

Communication skills *Strong communication/presentation skills: presented data clearly and confidently to both small and large groups, at home or abroad, in English as well as in Serbian.*

Organisational skills *Used to seek and critically assess large amounts of information, to define the cause of problems, determine available options and to use my own experience and that of others to move things forward*

Operation Systems *Linux (Advanced user)*
Design and maintenance of small clusters (Linux based)
Windows XP/7 (Advanced user)

Computational
Chemistry tools

Schrödinger, *MOE*, *CHARMM*, *LigandScout*, *GROMACS*, *Sybyl*

**ORIGINAL
PUBLICATIONS**

Trifunović J., Borčić V., Vukmirovic S., Mikov M. Pharmacokinetic Profiling of Some Carbohydrate Derivatives and Their Structure Activity Relationship Evaluation.. **Current Pharmaceutical Analysis, In Press, Accepted Manuscript, Available online: April 2017**
DOI: 10.2174/1573412913666170410133503

Trifunović J., Borčić V., Vukmirovic S., Mikov M. Structural insights into anticancer activity of D-ring modified estrone derivatives using their lipophilicity in estimation of SAR and molecular docking studies. **Drug Testing and Analysis, 2017; 9(10):1542-1548**

Trifunović J., Borčić V., Vukmirović S., Mikov M. Assessment of the pharmacokinetic profile of novel s-triazine derivatives and their potential use in treatment of Alzheimer disease. **Life Sciences, 2017;168:1-6**

Vukmirović V., Paut Kusturica M., Milijašević B., Trifunović J., Tomas A., Mikov M. Fermentation Potentiates Antimotility Properties of Chamomile Ligulate Flower Extracts. **Indian Journal of Pharmaceutical Sciences, 2016;78(5):692-695**

Trifunović J., Borčić V., Mikov M. Bile acids and their oxo derivatives: potential inhibitors of carbonic anhydrase I and II, androgen receptor antagonists and CYP3A4 substrates. **Biomedical Chromatography, 2017**
DOI: 10.1002/bmc.3870

Trifunović J., Borčić V., Vukirović S., Vasović V., Mikov M. Bile acids and their oxo derivatives: environmentally safe materials for drug design and delivery. **Drug and Chemical Toxicology, 2017; 40(4):397-405**

Trifunović J., Borčić V., Vukmirović S. Goločorbin-Kon S., Mikov M. Retention data of bile acids and their oxo derivatives in characterization of pharmacokinetic properties and in silico ADME modeling. **European Journal of Pharmaceutical Sciences, 2016;92:194-202**

Glanzer S., Pulido S., Tutz S., Wagner G., Kriechbaum M., Gubernsak N., Trifunovic J., Dorn M., Fabian W., Novak P., Reidl J. and Zangger K. Structural and functional implications of the interaction between macrolide antibiotics and bile acids. **Chemistry-A European Journal**, 2015;21(11):4350–4358

Posa M., Sibenji A., Trifunovic J. Influence of Temperature on Retention Parameter of Bile Acids in Normal Phase Thin- Layer Chromatography: the Role of Steroid Skeleton. **Acta Chimica Slovenica** 2013;60(1):151-158

POSTERS AND PRESENTATIONS

Trifunović J., Vukmirović S., Stanimirov B. and Mikov M. Acetylcholinesterase inhibition activity of some novel s-triazine derivatives, Poster presented at 22nd Scientific Symposium of the Austrian Pharmacological Society in Vienna, Austria (2016)

Trifunović J., Vukmirović S., Stanimirov B. and Mikov M. Potential of bile acids and their derivatives as drug delivery systems, Poster presented at 5th World Congress on Materials Science & Engineering in Alicante, Spain (2016)

Trifunović J., Vukmirović S., Golocorbin-Kon S. and Mikov M. The role of bile acid derivatives in transport of drugs through biological membranes, Poster presented at 21st Scientific Symposium of the Austrian Pharmacological Society in Graz, Austria (2015)

Posa M., Sebenji A. and Trifunovic J. Interactions between sodium cholate or sodium deoxycholate and nonionic surfactants (Tween 20 or Tween 60), Poster presented at The 4th EuCheMS Chemistry Congress in Prague, Czech Republic (2012)