1st European NECTAR Conference

Belgrade 05-06 March 2020

Programme



Rectorate of Belgrade University

Kapetan Mišino zdanje

Studentski trg 1, Belgrade, Serbia

1st European NECTAR Conference

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Committees

Scientific Committee

Demetrio Milea – Chair
Sofia Gama – Vice Chair
Matteo Tegoni – STSM Manager
Enrique García-España – TS Manager
Oreste Todini – IT Manager
Montserrat Filella – WG1 Leader
Petr Hermann – WG2 Leader
Arūnas Ramanavičius – WG3 Co-leader
Aleksandar Cvetkovski – WG4 Leader
Isabel Cavaco – WG5 Leader

Organizing Committee

Slobodan Gadžurić – WG3 Leader – Chair
Tatjana Trtić-Petrović – Chair
Elżbieta Gumienna-Kontecka – Science Commun. Manager
Emel Yildiz – ITC Manager
Eva Anna Enyedy – Equal Opportunities Manager
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Snežana Papović – University of Novi Sad
Jovana Panić – University of Novi Sad
Nikolet Bagány – University of Novi Sad
Aleksandra Dimitrijević – University of Belgrade
Nikola Zdolšek – University of Belgrade
Ana Jocić – University of Belgrade
Slađana Marić – University of Belgrade

Day 1

8:00-8:20	REGISTRATION
8:20-9:00	WELCOMING CEREMONY

9:00-11:00 **WG1** – NECTAR for highly hydrolysable (HHC) and/or low-valence state (LVC) cations	
9:00-9:20	**M. Filella & O. Iranzo** Communications
9:40-10:00	**OC1: M. Meyer** Solution Thermodynamics of Tetravalent Metal Complexes: the Zirconium Challenge
9:40-10:00	**OC2: M.R. Beccia** Accumulation mechanisms of radionuclides in marine macroalgae
10:00-10:20	**OC3: J. Hamacek** Speciation in Polynuclear Assemblies with Lanthanides: From Structural and Physico-Chemical Data to Thermodynamic Modeling
10:20-10:40	**OC4: J. Galceran** Speciation determinations with the technique AGNES: from In to Sb; from humic acids to ZnO nanoparticles
10:40-11:00	**Open Discussion**

11:00-11:20



11:20-13:20 **WG2** – NECTAR for strong and/or multifunctional ligands, macromolecules, polyelectrolytes	
11:20-11:40	**P. Hermann & M.A. Santos** Communications
11:40-12:00	**OC5: M. Ostrowska** Solution equilibria know-how: challenges depending on the nature of metal-ligand pair
12:00-12:20	**OC6: J. Masternak** Insight into problems accompanying of research on anticancer agents based on organometallic complexes
12:20-12:40	**OC7: R. Cappai** A promising tripodal kojic acid derivative for metal chelation treatment: NMR and potentiometric studies
12:40-13:00	**OC8: A. Martinez-Camarena** Coordination Chemistry of Cu^{2+} Complexes of Small N-Alkylated Tetra-azacyclophanes with SOD Activity
13:00-13:20	**Open Discussion**

13:20-14:40



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14:40-16:40 **WG3** – NECTAR for multicomponent solutions and complex matrices	
14:40-15:00	**S. Gadzuric & A. Ramanavicius** Communications
15:00-15:20	**OC9: D. Witkowska** Isothermal titration microcalorimetry on divalent metal ions binding to N-terminal fragments of Hpn and Hpn-like proteins
15:20-15:40	**OC10: I. Cobanov** Thermodynamic study of the cation/anion structure influence on micellization process: The case of surface active ionic liquids
15:40-16:00	**OC11: M.G. Freire** Molecular mechanisms ruling the formation of aqueous two-phase systems comprising ionic liquids
16:00-16:20	**OC12: S. Cataldo** Kinetic and equilibrium study for Hg(II) removal from aqueous solution by sorption onto functionalized halloysite
16:20-16:40	**Open Discussion**

16:40-17:00 

17:00-19:00 **WG4** – NECTAR tools, services and facilities	
17:00-17:20	**A. Cvetkovski & W. Plass** Communications
17:20-17:40	**OC13: W. Sladkov** Assignment of complex species by affinity capillary electrophoresis
17:40-18:00	**OC14: L. Giorgi** Rare Earth Metal Ions Sensing by Using Metal Receptors and Multivariate Analysis
18:00-18:20	**OC15: M. Savastano** Complexes of Organic Anions with Tetrazine-based Ligands in Water or How Multifaceted Equilibria Can Arise from Apparently Simple Systems
18:20-18:40	**OC16: C. Sgarlata** Untangling the Driving Forces of Molecular Recognition Processes in Solution
18:40-19:00	**Open Discussion**

20:00 

Day 2

8:00 – 9:40	**STSM**
8:00-8:20	**M. Tegoni** Communications
8:20-8:40	STSM-1: S. Gentili (IT) Synthesis of bioinspired de novo designed peptides for copper complexation and redox catalysis
8:40-9:00	STSM-2: D. Han (ES) Studies on Adsorption of Environmental Pharmaceutical Persistent Pollutants on Nanostructured Molecularly Imprinted Polymers
9:00-9:20	STSM-3: E. Yildiz (TK) An Organometallic Approach to Alzheimer's Disease Treatment
9:20-9:40	Open Discussion
9:40-10:00	TSCM Communications: E. Garcia-Espana
10:00-10:20	ITCCM Communications: E. Yildiz
10:20-10:40	ITM Communications: O. Todini
10:40-11:00	EOM Communications: E.A. Enyedy
11:00-11:20	
11:20-11:40	**I. Cavaco & E. Gumienna-Kontecka** WG5 and SCM Communications
11:40-13:20	WGs Discussions / Round Table
13:20-14:40	
14:40-15:40	**Poster Session**
15:40-16:40	**CG meeting and Authorities Farewell**
16:40-17:00	
17:00-19:30	**MC meeting and Closing Conference Ceremony**

Posters

No	Author	Title
1	Perinelli M.	Neclu_MT1: a combined approach
2	Hermann P.	Complexes of NOTA-monoamides: model compounds for copper and gallium radiopharmaceuticals
3	Lubal P.	Kinetic Study of Cu(II) Complexes of Mono- and Bis-tetraazamacrocyclic Ligands
4	Smrčka F.	Thermodynamic and Kinetic Study of Ln(III) Complexes of NOTA
5	Plass W.	Unsymmetric and Dinuclear- Simple Design of Biorelevant Complex Models
6	Quiroga A.G.	Active Metallodrugs: speciation or activation?
7	Valido I.H.	Transformation of Oxalocalcic Kidney Stones: Influence of Common Urine Inhibitors
8	Dominguez-Martin A.	Pharmaceutical co-crystals: an interesting strategy to modify the physicochemical properties of bioactive molecules
9	Gama, S.	Accurate assessment of the chemical speciation of complex systems: the use of multi-technique approaches
10	Iranzo, O.	Attenuating copper-induced aggregation of Amyloid Beta with conformationally constrained peptides
11	Ivanišević I.	Influence of inorganic acids during precipitation on stabilization of poly(acrylic acid) coated silver nanoparticles
12	Knežević L.	Vanadium speciation in the samples of „Krka River“ estuary using ion chromatography inductively coupled plasma mass spectrometry
13	Dömötör O.	Human serum albumin binding of high stability Rh(III)(η5-C5Me5) and Ru(II)(η6-p-cymene) complexes
14	Bíró L.	Interaction of water-soluble deferasirox derivatives with Co(II) ions: a solution study
15	Buglyó P.	Solution and solid phase study on Pd(II)- and Co(III)-complexes of a novel pyridinone based peptide conjugate
16	Barone G.	Solution properties of metal complexes and ligands by DFT calculations
17	Pettignano A.	Acid-base properties and adsorption ability towards Pb2+ ion of Cyclodextrin-Calixarene Nanosponges
18	Biver T.	Spectrophotometric and spectrofluorometric analysis of small molecules binding to biosubstrates
19	Formica M.	Multivariate Analysis applied in the study of ESIPT-mediated multichannel fluorescent metal ion sensors
20	Remelli M.	Helicobacter pylori and metal ions: solution equilibria studies can help to find new therapies
21	Povar I.	Method for the determination of the equilibrium constants in the „slightly soluble complexonate - saturated aqueous solution” systems
22	Kowalik M.	Solid state studies on model Pb(II) complexes with thiophene-carboxylate bioligands in terms of chelation therapy and fluorescent sensing
23	Jakubowski M.	The mixed ligand platinum(II) complex as potential anticancer drug with promising biological properties: in vitro and in vivo studies
24	Stokowa-Sołtys K.	Does Fusobacterium nucleatum cell surface proteins increase the prooxidative activity of metal ions?
25	Gumienna-Kontecka, E.	Hydroxamate chelators for efficient complexation of Zr (IV)
26	Tavares A.P.M.	Bio-based ionic liquid platforms for the extraction of IgG
27	Correia I.	Exploring the metal coordination of 8-hydroxyquinoline derivatives
28	Tot, A.	Designing of biocompatible ionic liquids – thermodynamic and computational approach
29	Šarac B.	The use of isothermal titration calorimetry in studying thermodynamics of high-heat micellization processes

From Nikola Tesla airport

- For all information, please contact the city service TAXI INFO, located in the baggage claim area at Nikola Tesla Airport or in the ARRIVALS waiting zone (Photo 1) when you pass the Custom.
- Ask for TAXI VOUCHER with fixed price of 1800 RSD for a ride to Belgrade downtown (approx. 17 EUR). That way you will make sure the taxi service is in line with the most favorable rate.
- Go out of the airport building and take the first available taxi queued in front of the building.
- Payment can be made in Serbian dinars (RSD) or by credit card.



TAXI INFO desk and Exchange office in the Arrivals zone



ATM machines in the Arrivals zone

Currency

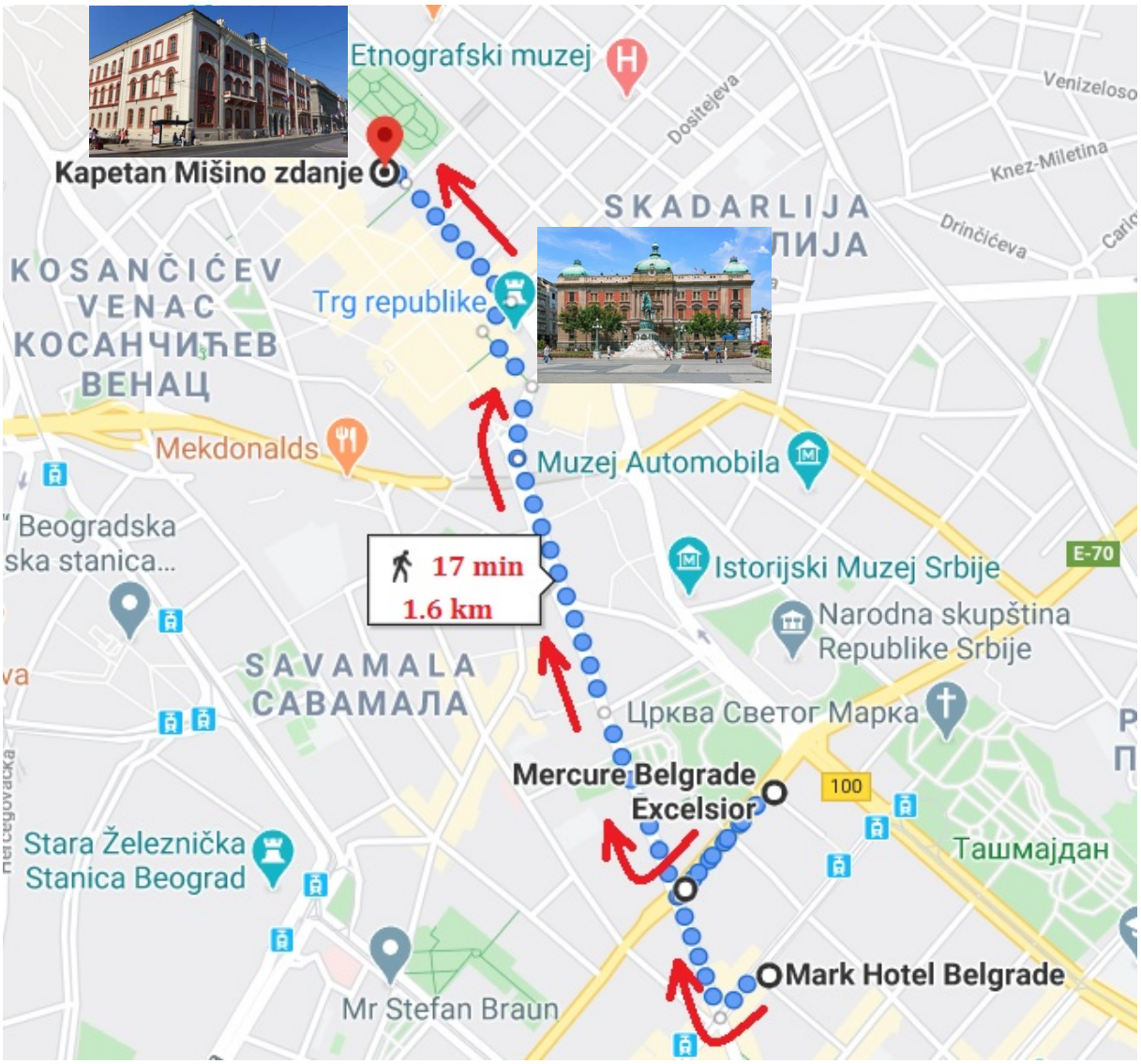
- Serbian dinars are required for all cash payments. Your currency (EUR, USD, HRK, HUF...) you can exchange for dinars in any exchange office at the airport or simply withdraw cash from ATM.
- 1 EUR = 117 RSD; 1 USD = 108 RSD; 1 HRK = 15 RSD; 100 HUF = 35 RSD.
- Banknotes are available as 10, 20, 50, 100, 200, 500, 1000, 2000 and 5000 dinars. Metal coins (1, 2, 5, 10 and 20 RSD) are also in use.



Roaming

The EU has ended roaming surcharges for all people who travel within the EU. Serbia is not EU country yet and the roaming tariffs will be applied for mobile network and all calls. Please consult your mobile provider about roaming policy with Serbia.
WI FI connection is available in all public areas, hotels and conference venue.

From the hotels Excelsior and Mark to Rectorate



1. Turn left from the hotel towards King Milan Street (Kralja Milana).
2. Take Kralja Milana until reach Republic Square (Trg republike).
3. Pass National museum (Narodni muzej) and walk Vasina Street until see Rectorate building of the Belgrade University (Rektorat, Kapetan Mišino zdanje) on left side of the street.

If any of the participants will arrive to Belgrade by car please inform your hotel that you need a parking place.

Social dinner

- Social dinner on Thursday 05th of March 2020 will be organized in one of the restaurants with national cuisine in the old bohemian Skadarska street.
- Price of this dinner is approx. 25 EUR (3000 RSD)
- Please add your name by clicking "+" sign in the table and indicate if you are willing to participate in this event following the link: https://doodle.com/poll/45u9s7ntcn9v5tiy





For all further information:
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We are looking forward to see you in Belgrade

Welcome!