

*Bio-X Croatia & scientific mission,
from 28th May to 4th June 2024, Zagreb and Zlarin*

The CONFERENCE, Session Chairs

Session	Time	Chairs
1. Session	9:00 – 10:40	Tomislav Ivankovic, Faculty of Science, Zagreb Robert Marks, Ben Gurion University of the Negev, Israel
2. Session	10:00 – 12:00	Marisa Manzano, University of Udine, Italy Karolina Rudnicka, University of Lodz, Poland
3. Session, student's talks	12:10 – 13:00	Vanja Jurisic, Faculty of Agriculture, Zagreb Donald Martin, Universite Grenoble Alpes, France Michela Maifreni, University of Udine, Italy
4. Session	14:15 – 15:50	Dunja Lejak Levanic, , Faculty of Science, Zagreb Evgeni Eltzov, Volcani Institute, Israel
5. Session	16:10 – 17:00	Jasna Hrenovic, Faculty of Science, Zagreb Marin Jezic, Faculty of Science, Zagreb
6. Session, student's talks	17:20 – 18:20	Jovana Vunduk, Institute of General and Physical Chemistry, Serbia Mark Nuijten, A2M company, Netherlands Ivana Sola, Faculty of Science, Zagreb

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IMPORTANT SERVICE INFORMATION

For any questions, informations, help, whatever, don't hesitate to contact me on email: tomislav.ivankovic@biol.pmf.hr , or whatsapp: # 0038598 1870 737

Transport from Dr. Franjo Tudman Airport

- If you want/need to use the TAXI, from airport or anywhere in Zagreb, best is to use some application, as Bolt or Uber drive. Other taxi providers are most likely to heavily overcharge you.
- There is also a shuttle bus from airport to central Bus Station, and schedule is here, at the page bottom - <https://plesoprijevoz.hr/en/zagreb-croatia/>
- From Bus station to the city center is a 15 min walk, and tram is available.

The water from the tap is good to drink.

- Anywhere in Croatia, including Zagreb, tap water is of excellent quality. Wherever you see a tap, hotel, apartment, faculty building, toilet, or on the street, you can drink this water without any hesitation.

For participants going to ZLARIN

- Do not forget to bring your swimsuit. The sea is beautiful, warm enough, and the weather should be nice and sunny. No reason whatsoever to miss some beach fun.

Coference address

- The conference is held at the Faculty of Science, chemistry building, at address **Horvatovac 102A**. From the main square it's a nice 25 min walk. The bus ride is 5 minutes. Buses are departing in front of the Cathedral. Cathedral is just uphill the main square, you cannot miss it.
- You can take any bus lines 106, 201, 203, 226. Get out of the bus just after the roundabout and proceed to the Chemistry building (when you get out of the bus, go left and then right down the street. On your left will be two beige buildings of Mathematics and Physics. You need to proceed straight down the street to the third beige buidling, some 100 meters.

Conference Timetable

Bio-X

WEDNESDAY 29th May, Zagreb, Faculty of Science

CROATIA, 2024

Registration		8:30 – 9:00
Greetings session		9:00 – 9:15
Prof. Donald Martin , UGA, France <i>Making biotechnology from nanostructured systems</i>	Plenary lecture	9:15 – 9:45
Prof. Dunja Leljak Levanic , PMF Zagreb, Croatia <i>“Healthy grapevine” – first patent at the Faculty of Science in Zagreb</i>	Keynote lecture	9:45 – 10:10
Dr. Lucija Beluzic , Breyer Clinic, Zagreb <i>Essential and additional strategies to achieve and maintain quality in genetic laboratories: Insights from a high-throughput diagnostic laboratory</i>	Invited lecture	10:10 – 10:25
Prof. Ariola Bacu , UT, Albania <i>Natural and primed HT tolerance at wheat – can we speak of cultivar-specific primed response?</i>	Invited lecture, online	10:25 – 10:40
Coffee break		10:40 – 11:00
Prof. Jasna Hrenovic , PMF Zagreb, Croatia <i>Carbapenem resistance in the environment</i>	Invited lecture	11:00 – 11:15
Prof. Marin Jezic , PMF Zagreb, Croatia <i>Cryphonectria hypovirus 1 spread across its host populations in Europe</i>	Invited lecture	11:15- 11:30
Dr. Evgeni Eltzov , Volcani Institute, Israel <i>Rapid identification of quiescent C. gloeosporioides in fruits: a new approach to minimize postharvest losses</i>	Invited lecture	11:30 – 11:45
Prof. Ivana Sola , PMF Zagreb, Croatia <i>Phytochemical adaptations of broccoli to elevated and decreased environmental temperatures: Implications for its nutritional value</i>	Invited lecture	11:45 – 12:00
10 min. break followed by Student's session, 5-7 min. talks		12:10 – 13:00
Fredric Narcross , BGU, Israel <i>Footprints - social media meets knowledge discovery in a data sharing environment</i>		
Abraham Paul , BGU, Israel <i>Structurally reinforced alginate Microbeads as versatile Biosensors for the detection of Quorum Sensing Molecules</i>		
Karlo Spelic , PMF, Zagreb <i>Biogas production from Miscanthus x giganteus in a continuous anaerobic digestion system</i>		
Blanka Dadic , PMF, Zagreb <i>Changes in microbial consortium composition during the cell immobilization on natural carriers</i>		
Krisida Ciko , UT, Albania <i>In house validation of an LC-MS/MS multi method for the determination of mycotoxins</i>		
Marina Drcelic , PMF, Zagreb <i>‘Candidatus Phytoplasma solani’: Chasing for protein interactions</i>		
Xhensila Omeri , UT, Albania <i>Physical-biological indicators and single-cell toxicity sensing as a new monitoring model applied at Lake Butrinti, Albania (online)</i>		

Conference Timetable



WEDNESDAY 29th May, Zagreb, Faculty of Science

CROATIA, 2024

Lunch break, Buffet at the Faculty		13:00 – 14:15	
Prof. Robert S. Marks, BGU, Israel	Plenary lecture	14:15 –	
From academic innovation in diagnostics to startup attempts		14:55	
Prof. Mustafa Culha, Augusta University, USA	Keynote lecture,	14:55 –	
Nanomaterials in cancer diagnosis and treatment	online	15:20	
Prof. Karolina Rudnicka, UniLodz, Poland	Invited lecture	15:20 –	
How to foster university collaboration with external partners – a case study of the Science Hub UL		15:35	
Dr. Jovana Vunduk, IGPC Belgrade, Serbia	Invited lecture	15:35 –	
The role of biotechnology in psychedelic revival		15:50	
Coffee break		15:50 – 16:10	
Prof. Vanja Jurisic, AGR Zagreb, Croatia	Invited	16:10 –	
Enhancing biogas production from agricultural energy crops by introducing ensiling and bioaugmentation processes	lecture	16:25	
Prof. Marisa Manzano, UNIUD, Italy	Invited	16:25 –	
Listeria monocytogenes detection: from plate count to an electrochemical biosensor method	lecture	16:40	
Dr. Mark Nuijten, A2M- Minerva HE Network, Netherlands	Invited	16:40 –	
Valuation of digital health: A comparison with innovative drugs	lecture	16:55	
Dr. Michela Maifreni, UNIUD, Italy	Invited	16:55 –	
Photo Dynamic Inactivation (PDI) technology: a new antimicrobial strategy against Listeria monocytogenes	lecture	17:10	
15 min. break followed by Student's session, 5-7 min. talks		17:25 – 18:20	
Eni Meli, UT, Albania			
Assessments on the growth performance of Mediterranean mussel (M. galloprovincialis Mollusca, Bivalvia) reared in Butrinti Lake (South-Western Albania), according to evaluation of the parameters in VBGF			
Nadav Bachar, BGU, Israel			
Purification of water containing complex pollution using a biofilm system			
Tomislav Mamic, PMF, Zagreb			
The effects of mutations in the antiCas transcript and deletion of anti-cas gene on resistance to phage infection			
Anxhela Kamberaj, UT, Albania			
Estimation of growth parameters for a stock of Ohrid trout (Salmo letnica Karaman, 1924) based on the assessments of commercial catches in the Albanian part of Ohrid Lake.			
Stela Pepa, UT, Albania			
Length frequency distribution, growth parameters and mortality rates for a stock of bleak (Alburnus scoranza Heckel and Kner, 1857) from Ohrid Lake.			
Ivan Brandic, AGR Zagreb			
Estimation of the HHV of biomass using the regression model of artificial neural networks			
May Portman, BGU, Israel			
Differentiating between diseases based on the chemiluminescent signature of phagocytes in peripheral blood			
Closing of the symposium in Zagreb			

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ITINERARY ZAGREB

Tuesday 28th May

- 18:00 Gathering at the main Ban Jelacic Square, at the fountain
- 18:15 Visiting „Croata” shop for a presentation of a history of necktie, address: Oktogon 8
- 19:00 Welcome reception and registration at the „Hrvatska kuća” , address: Preradoviceva 31

Wednesday 29th May

- 8:00 Registration at the Faculty of Science, address: Horvatovac 102A
- 9:00 Start of the Conference, lectures, coffe breaks, lunch
- 18:20 End of the Conference in Zagreb

Thursday 30th May

Independence day, non-working day in Croatia

- 8:15 Gathering at the main square for fungi fieldtrip
 - Taking the public transport to the nearby forrest
 - Guided fungi picking and determination. At the forrest site, lunch is optional, but dependent on the time available and bus schedule. I suggest good breakfast and some snack with you
- 15:00 Planned return to Zagreb main square
- 17:30 *Zagrebarium* guided city tour, starting at Trg Kralja Tomislava, at the fountain, „Gemišt” tasting at Abesinija bar
- 20:00 Gala dinner at restaurant „Didov san”, address: Mletacka ulica 11

Friday 31st May

- 08:30 Departure to Zlarin, from main square

Friday 31st May

- 08:30 Gathering at the main Ban Jelacic Square, at the fountain
- 08:45 – 11:00 Bus travel to Plitvice
- 11:00 – 16:00 Visiting the Plitvice National Park, we will have picnic lunch in the park, sandwiches and snacks
- 16:00 – 19:00 Bus travel to Šibenik
- **19:30 – Boat to Zlarin island**

Saturday 1st June

- 10:00 Boat from Zlarin to Vodice, and bus travel to the city of Knin
- 12:30 Visit to Knin fortress
- 15:00 Lunch at the local restaurant
- 18:00 Travel back to Šibenik
- 19:30 Boat to Zlarin
- 21:00 Wine tasting

Sunday 2nd June

- 09:00 Sampling and walk around the island
- 13:00 Lunch at the Centar Koralja
- 17:00 Boat trip and sampling
- 21:00 Return to the island

Monday 3rd June

- 10:00 Poster Session and roundtable
- 13:00 Lunch at the „konoba”
- 15:50 Departure to Zagreb, boat to Vodice and bus to the airport, team 1
- 17:30 Lectures to local school children

Tuesday 3rd June

- 09:00 Workshop and sample preparation
- Departure to Zagreb, team 2, boat to Sibenik at 12:45, bus to Zagreb at 16:00