



## Biomolecular Horizons: Building a Sustainable Future in Life Sciences

Coordinator: Assoc. prof. dr. Brîndușa Alina PETRE ([brindusa.petre@uaic.ro](mailto:brindusa.petre@uaic.ro))

### Online meetings:

**1<sup>st</sup> online meeting: 1-4 July; 2 hours** - meeting students and teachers, getting to know each other, discussing expectations from all participants; introducing the Life Sciences module, and explaining the assessment/project procedures.

**2<sup>nd</sup> online meeting: 21-25 July; 4 hours**- assessment session: this will include a team project on Life Sciences topics or an individual "Flash Talk" presentation (3-5 minutes) on a course-related subject. Additionally, the quiz based on key concepts discussed during the module is required only for participants seeking 4 ECTS credits.

### Onsite meetings: 14 – 20 July

Date	Time	Course title	Lecturer/Coordinator	Meeting place (actual location)
14 July (Mon)	08:00-09:00	<b>Registration - All JASSY modules</b>		Mihai Eminescu Aula Magna Building A, 1 <sup>st</sup> floor
	09:00-10:00	<b>JASSY Summer School opening</b> Introduction of the JASSY coordinators. <b>Keynote presentation</b> Group photo - <i>All JASSY modules</i>		
	10:00-11:00	Guided tour of the University Palace ("Hall of Lost Steps" Mural Gallery, „Gh. Asachi” Library, Tafrali Bookshop)	MihaiBulai	UAIC main entrance – <i>the Two Lions</i>
	11:00-12:40	Cell penetrating peptides as drug delivery and diagnostic tools (LP)	Corina CIOBĂNAȘU	tba
	14:20-16:00	Cell penetrating peptides as drug delivery and diagnostic tools (LP)	Corina CIOBĂNAȘU	tba
	18:00–19:30	JASSY welcome buffet. <i>All JASSY modules</i>		Terrace of CUI/ Casa Universitarilor
15 July (Tue)	09:00-10:40	Identifying biological species using DNA barcoding (L)	Lucian FUSU	tba
	11:00-12:40	Identifying biological species using DNA barcoding (LP)	Lucian FUSU	tba
	14:20-16:00	Identifying biological species using DNA barcoding (LP)	Lucian FUSU	tba
	16:30-19:30	Guided tour of the Iași city center. Possible visit of Iași National Opera & Theater Grand Hall. <i>All JASSY modules</i>	MihaiBulai & Manuel Foșalău	UAIC main entrance – <i>the Two Lions</i>
16 July (Wed)	09:00-10:40	From aminoacids to biological function – a journey into the structural biology of proteins (L)	Marius MIHĂȘAN	tba
	11:00-12:40	From aminoacids to biological function – a journey into the structural biology of proteins (LP)	Marius MIHĂȘAN	tba
	14:20-16:00	From aminoacids to biological function – a journey into the structural biology of proteins (LP)	Marius MIHĂȘAN	tba
	16:20 -17:00	Enzymes in Everyday Life (L)	Robert GRĂDINARU	Laboratory of Biochemistry / UAIC
	17:00-19:30	<i>Individual study / teamwork on LS assessment projects</i>		
17 July (Thu)	09:00-10:40	Enzymes in Everyday Life (LP)	Robert GRĂDINARU	Laboratory of Biochemistry / UAIC
	11:00-12:40	New weapons to fight antimicrobial resistance (L)	Marius ȘTEFAN	CUI
	14:20-16:00	New weapons to fight antimicrobial resistance (LP)	Marius ȘTEFAN	tba
	18:00-20:00	Bird watching and Ecotourism principles. Plants and birds' diversity – visit of the Iași Botanical Garden, owned by UAIC. <i>All JASSY modules</i>	Carmen Gache & Cristiana Virginia Petre	Botanical Garden main entrance
18 July (Fri)	09:00-10:40	Proteins, Enzymes and Antibodies as Molecular Vehicles for Investigating Human Health and Diseases	Brîndușa-Alina PETRE	CUI



Date	Time	Course title	Lecturer/Coordinator	Meeting place (actual location)
	11:00-12:40	Advanced ESI – Mass Spectrometry: Exploring Biomolecular Mass and Structure (LP)	Violeta MANGALAGIU /Laura DARIE-ION	MS-LAB/UAIC
	14:20-16:00	Advanced ESI – Mass Spectrometry: Exploring Biomolecular Mass and Structure (LP)	Violeta MANGALAGIU /Laura DARIE-ION	MS-LAB/ UAIC
	16:30-19:30	<i>Individual study / teamwork on LS assessment projects</i>		
19 July (Sat)	09:00-10:00	Tour of city center by Café-Tramway – to be confirmed	Mihai Bulai	UAIC main entrance – <i>the Two Lions</i>
	10:00-11:40	MALDI ToF mass spectrometry- a bioanalytical tool for analysing peptides and proteins (LP)	Brîndușa-Alina PETRE	MS-LAB/ IRO Iasi
	12:00-13:40	MALDI ToF mass spectrometry- a bioanalytical tool for analysing peptides and proteins (LP)	Brîndușa-Alina PETRE	MS-LAB/ IRO Iasi
	14:00-18:00	<i>Independent city exploration.</i> Optional: Visit of History/Arts/Folk/Technical museums in the Palace of Culture		
	18:00-19:30	Closing cocktail. <i>All JASSY modules.</i>	All coordinators	Terrace of CUI/ Casa Universitarilor
20 July (Sun)	08:00-19:30	Trip to the region: (Proposed itinerary: Iași – Ruginoasa – Voroneț – Dolheștii Mici – Cotnari – Iași)	Mihai Bulai Other coordinators	UAIC main entrance – the <i>Two Lions</i>

L = Lecture, LP = Laboratory Practice



Common activities for allmodules

**Weektime (only Monday to Friday):**

**10.40 – 11.00 – coffee-break** (except Monday)

**13.00 – 14.00 – lunch break** (*Titu Maiorescu University Cafeteria*).