FACTS ABOUT IAȘI
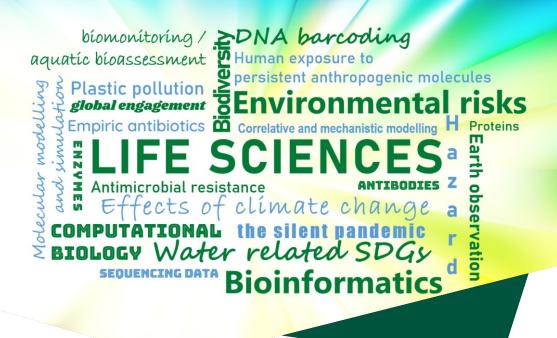
1. A city of 390.000 inhabitants and 50.000 students
2. The Easternmost university city in the European Union
3. Birthplace of Romania (Union of Moldavia and Wallachia in 1859)
4. Vibrant IT hub; Iasi ranks 6th for fastest world internet speed (2017)
5. City of the first modern University in Romania (UAIC, 1860)
6. Home to one of the top 7 theatre buildings that take your breath away (BBC)
7. Top Christian Orthodox pilgrimage site (over 400.000 pilgrims/year)
8. Features a library in top 25 majestic libraries of the world (BoredPanda.com)
9. A City of Seven Hills, surrounded by vineyards and bicycle paths
10. Direct flights to and from 25 cities in Austria, Belgium, Cyprus, Denmark, France, Germany, Greece, Italy, the Netherlands, Spain, Turkey, UK, Egypt, Israel, Romania (see map)

biomonitoring / DNA barcoding
aquatic bioassessment Human exposure to persistent anthropogenic molecules
Plastic pollution Biodiversity Environmental risks
Molecular modelling and simulation global engagement
Empiric antibiotics Correlative and mechanistic modelling Proteins
ENZYMES LIFE SCIENCES Hazard Earth observation
Antimicrobial resistance ANTIBODIES
Effects of climate change
COMPUTATIONAL the silent pandemic
BIOLOGY Water related SDGs
SEQUENCING DATA Bioinformatics

JASSY

Summer School - 4th edition

LS Iași, Romania
5-16 July 2021

LIFE **S**CIENCES
in the race against emerging threats to human health

Alexandru Ioan Cuza University of Iași (UAIC)
www.uaic.ro / jassy

LIFE SCIENCES

in the race against emerging threats to human health

Main data:

2 WEEKS

LECTURES
WORKSHOPS
& INFORMAL
ACTIVITIES

6 ECTS CREDITS
300 € FEE *

A GREAT CITY & A RICH CULTURAL REGION

* incl. Accommodation,
Breakfast & lunch during weekdays

● Direct flights to Iași
▢ EU+EEA+CH countries

*Flights to Iași via Bucharest available from many European cities

*Flights to Chișinău (120 km to Iași) from many Central Asian cities

Map labels: Billund, Liverpool, London LTN, Eindhoven, Dortmund, Köln-Bonn, Bruxelles, Paris BVA, Munich, Viena, Cluj, Iași, Chișinău, Timișoara, Bucharest, Turin, Milan BGY, Treviso, Bologna, Barcelona, Rome CO/CIA, Salonic, Catania, Larnaca, Tel Aviv

Objectives

- learning key concepts in STEM disciplines;
- participating in hands-on activities and laboratory skills training
- collecting, analysing and displaying scientific data from various fields
- meeting researchers who can assist you through out JASSY and even with your future scientific projects

JASSY Summer School puts a strong emphasis on transversal competencies, through the interdisciplinarity of its courses and through its extracurricular activities.

CURRICULUM CHART

Lectures and workshops:

- Molecules Getting in Shape. An Intro to Modelling
- A Critical Analysis of Empiric Antibiotics Treatment: Health Benefits *versus* Environmental Risks
- Human Exposure to Persistent Anthropogenic Molecules: An Overview
- Proteins, Enzymes, and Antibodies as Molecular Vehicles for Investigating Human Health and Diseases
- Identifying biological species using DNA barcoding
- New weapons to fight antimicrobial resistance
- Light chunks – from pure energy to living world molecules
- Understanding life - a bioinformatics perspective
- Plastic pollution and circular economy solutions
- Water - related Sustainable Development Goals monitoring by advanced Earth Observations
- Applications of remote sensing in the evaluation of environmental risks
- Climate change: the major challenge of the XXI century (facts and observation)

Practical Activities:

- Internship in Tour Guiding
- Workshop in map making (GIS)
- Architectural tour of the city
- Wine tasting techniques
- Introduction to kayaking
- Visit of heritage buildings
- Outdoor active tour guiding
- Birdwatching, visit of Iasi Botanical Garden
- Trip to the cultural region surrounding Iasi

APPLICATION & INFO

Steps:

1. Send your CV & Motivation letter to jassy@uaic.ro

JASSY assesses the submitted files on a first-come, first-served basis (so send the required documents as early as possible, no later than 1 June 2021). JASSY confirms the acceptance by e-mail within three working days.

2. Fill in the Registration Form received by e-mail.

3. Pay the participation fee as indicated in the e-mail notification. ! Applications received after 1 June 2021 will not be taken into consideration!

Other info:

- Certificate of attendance for all attendees;
- 6 ECTS credits upon successfully passing the final evaluation;
- A limited number of scholarships will be available; please visit the JASSY webpage.

UAIC Facts:

- Founded in 1860
- Top 3 Romanian Universities
- 500+ partner universities
- Top 2% in Europe in student exchange
- 15 Faculties (Schools)
- 227 Degrees in the 3 cycles (B/M/D)
- 25.470 students
- 1500 full-time staff

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