

FACTS ABOUT IAȘI

1. A city of 400.000 inhabitants and 50.000 students
2. The Easternmost university city in the European Union
3. Birthplace of Romania (place of the Union of Moldavia and Wallachia Principalities in 1859)
4. Vibrant IT hub, one of the worlds fastest internet speed and an excellent destination for digital nomads;
5. City of the first modern University in Romania (UAIC, 1860)
6. Home to one of the world top 7 theatre buildings (BBC) and to one of the most majestic libraries of the world (BoredPanda.com)
7. Top Christian Orthodox pilgrimage site (over 400.000 pilgrims/year)
8. Known for its cozy specialty café s, large green parks, monumental buildings, eclectic architectures and perfume of an old capital city
9. A City of Seven Hills, surrounded by beer factories, vineyards and winemakers, monasteries and bicycle paths
10. An international fast-growing airport connected by direct flights with over 25 destinations in Europe (see map)



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



Summer School - 5th edition

LS

Iași, Romania
4-15 July 2022

LIFE SCIENCES

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

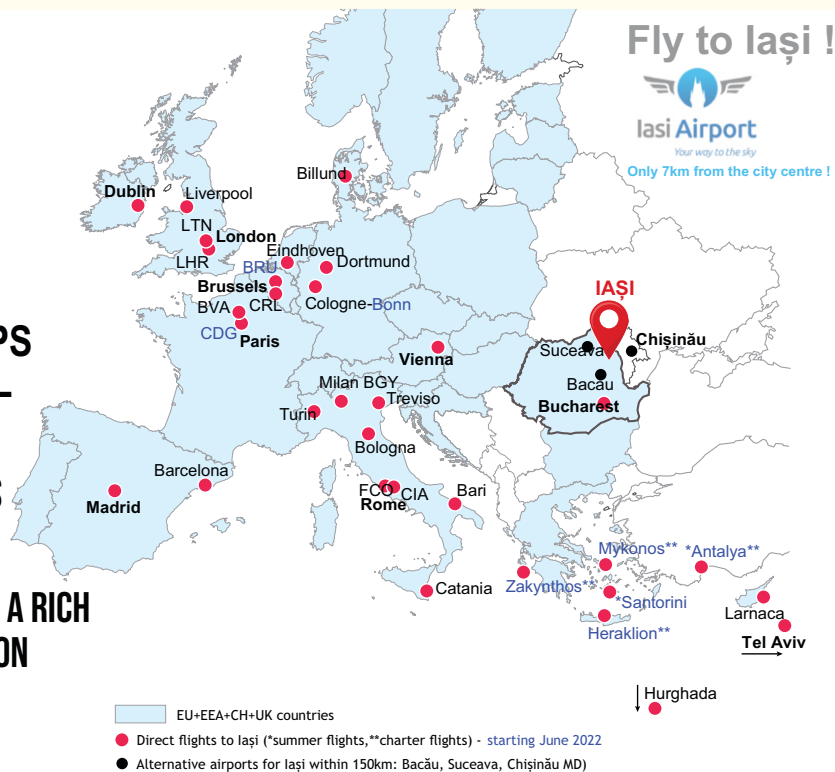
Main data:

2 WEEKS

**LECTURES
WORKSHOPS
& INFORMAL
ACTIVITIES**

**6 ECTS CREDITS
300 € FEE**

**A GREAT CITY & A RICH
CULTURAL REGION**



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:

- 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
- From amino acids to biological function – a journey into the structural biology of proteins
- Save the environment with the circular economy
- Earth Observations for water ecosystems monitoring. Actual and future trends
- Applications of remote sensing in the evaluation of environmental risks
- Climate change: the major challenge of the XXI century (facts and observation)

Practical Activities:

- Guided tour of the University Palace
- Guided tour of the city of Iași
- Visit of heritage buildings
- Introduction to kayaking
- Wine tasting techniques
- Guided visit of the Palace of Culture
- Outdoor active tour
- Birdwatching, visit of Iași Botanical Garden
- Trip to the cultural region surrounding Iași

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 2022). 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 2022 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 for students from partner universities.

UAIC Facts:

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



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