



UNIVERSITATEA DIN
BUCUREȘTI
— VIRTUTE ET SAPIENTIA



Established by Decree No. 765 on July 4/16, 1864, by Domnitor (ruler) Alexandru Ioan Cuza and claiming to be the successor of higher education structures inaugurated by the Princely Academy (1694), the University of Bucharest has decisively contributed and continues to contribute to the development and modernization of Romanian education, science, and culture.

97
de programe de licență

19
facultăți

32
de domenii de licență

215
programe de master

22
de școli doctorale

33531
de studenți

22586
de studenți la licență

8960
masteranzi

873
de studenți străini

2013
doctoranzi



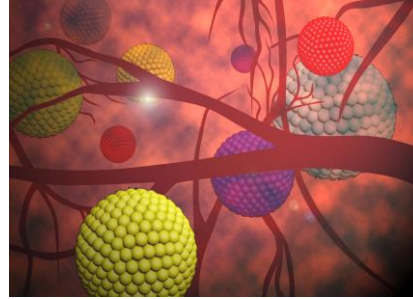
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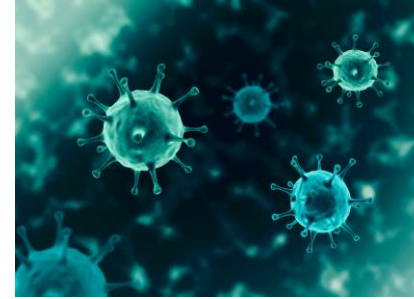
Medical sector collaborations



Interdisciplinarity



Current research problems



International collaborations



Infrastructure



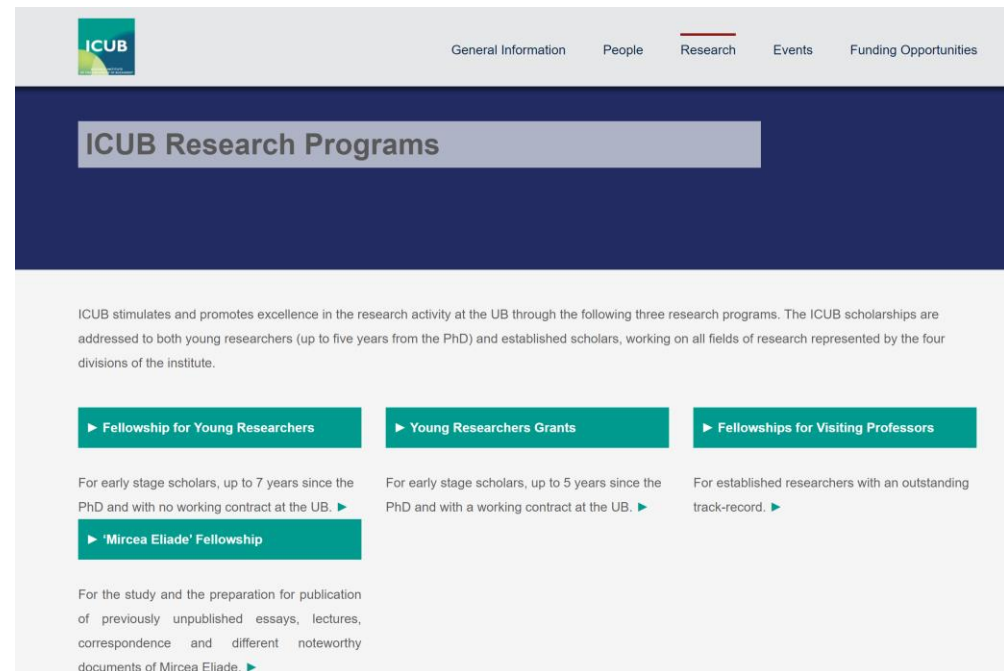
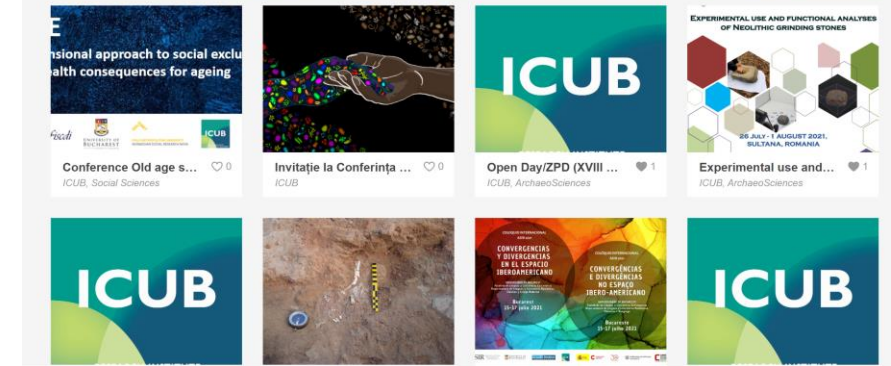
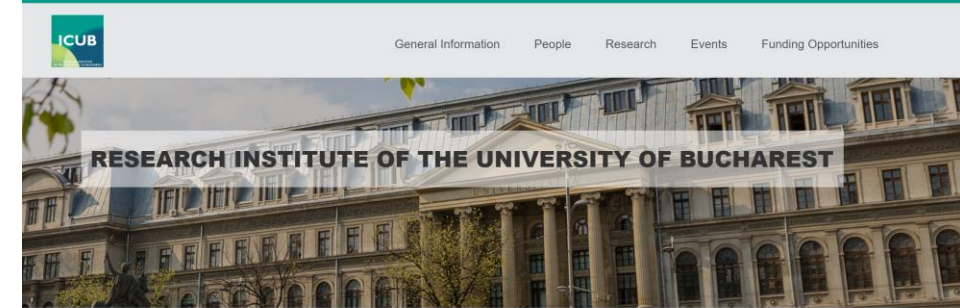
Specialization

The University of Bucharest collaborates closely with academic institutions, private firms and companies, as well as non-governmental organizations from both the country and abroad, in order to fulfill its mission of research and education in the service of society.

<http://icub.unibuc.ro/>



Universitatea din București oferă, prin ICUB, burse de cercetare post-doctorală pentru tineri cercetători din întreaga lume și găzduiește profesori invitați, personalități științifice de mare prestigiu din țară și străinătate.



Research projects 2022

Tip de proiecte	nr. proiecte	Suma derulată	% (din total sumă alocată cercetării)
1. Proiecte cu finanțare națională	157	36,565,257.12	73.93%
PN3	141	35,831,448.13	67.99%
PCE	24	11,010,835.81	22.26%
PCCF	6	6,575,044.00	13.29%
PED	25	6,098,964.20	12.33%
TE	23	4,923,826.15	9.96%
PD	23	2,836,345.10	5.74%
PCCDI	23	1,556,587.62	3.15%
PTE	7	1,338,132.00	2.71%
Solutii	3	868,500.00	1.76%
ELI-RO	4	389,477.85	0.79%
RO-CERN	1	214,100.00	0.43%
BIM	2	19,635.40	0.04%
Alte finanțări naționale	2	16,954.58	0.03%
Servicii / consultanță	14	716,854.41	1.45%
2. Proiecte cu finanțare internațională			
SEE	9	8,700,797.13	17.59%
H2020	12	1,244,783.13	2.52%
Alte internationale	6	552,806.55	1.12%
ERA-NET	5	261,803.02	0.53%
Dubna	7	73,548.15	0.15%
AUF	2	44,956.82	0.09%
3. Fonduri alocate cercetării din venituri proprii	152	2,012,592.82	4.07%
TOTAL (1+2+3)	350.00	49,456,544.74	100.00%



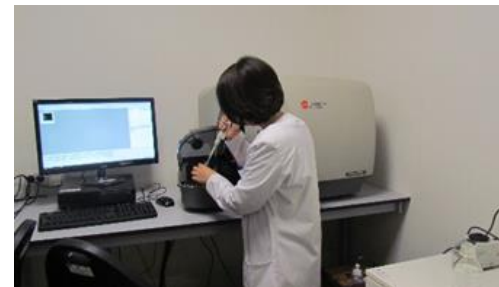
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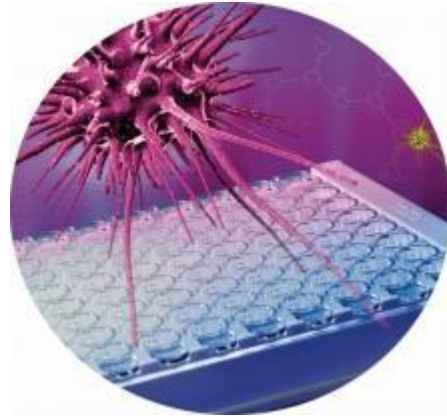
Research services UB



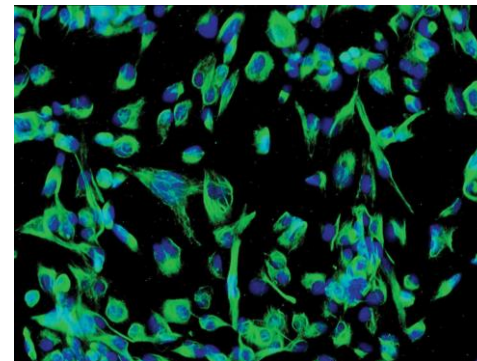
Biocompatibility



Sequencing

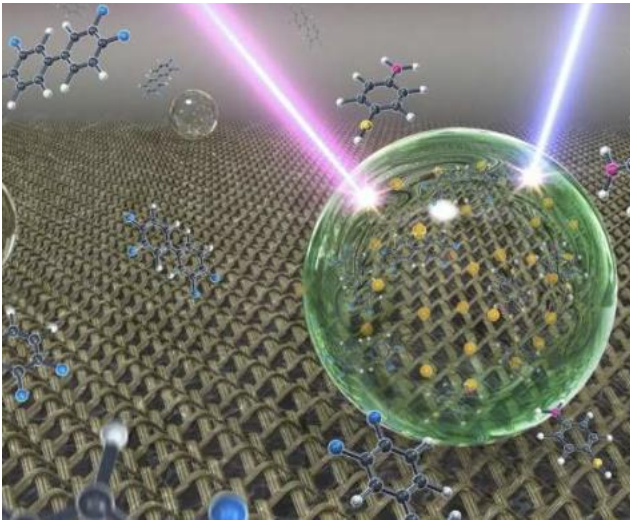


Antimicrobial activity



Stem cells and Bioengineering

Contaminants



Detection of heavy metals
Microbial contamination
Toxins
Pesticides

Sensors



Detection of contaminants

Natural compounds



Isolation and characterisation
Valorification of waste

Probiotics



Selection of probiotic strains
Antimicrobial activity
Immunomodulation

Prebiotics



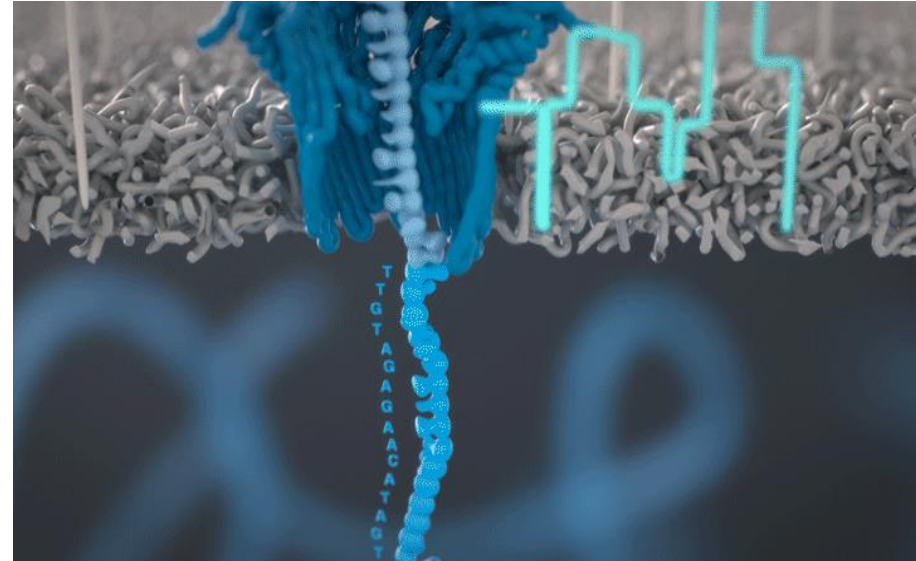
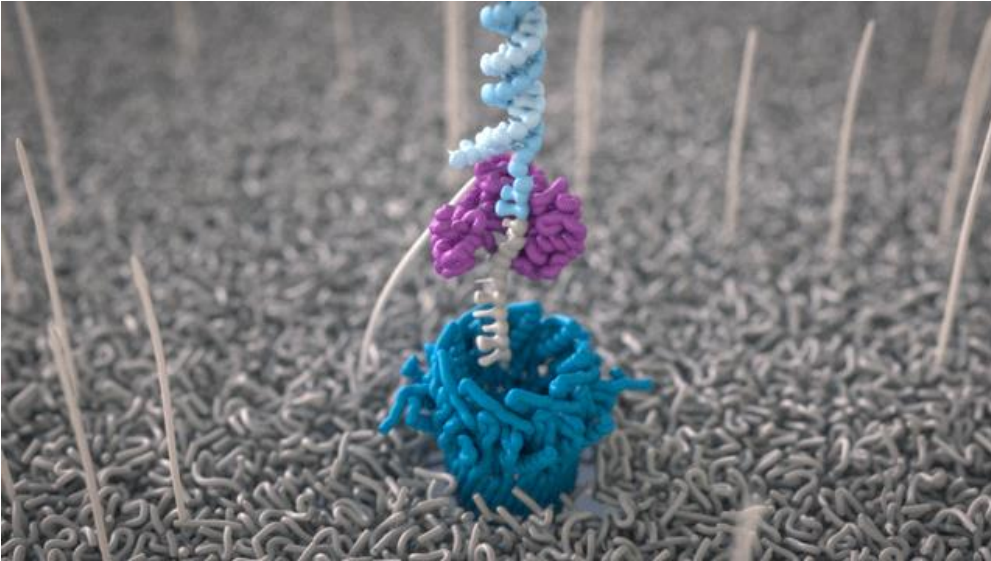
Prebiotic characterisation
Impact of prebiotics
Mechanistic insights

Bioeconomy



Smart packages
Circular economy
Waste valorification (invasive plants)

Next generation sequencing



- Microbiome analysis – metabolic disease, food allergies
- Effect of new food products on the host microbiome and metabolic status
- Characterisation of probiotic strains
- One Health – antibiotic resistance, farming and the food chains

Public outreach



School sessions – Hygiene and nutrition

We live in the microbiome era

The collage features several items related to microbiome health:

- nature** magazine cover: "INSIDE STORY: Results from the Integrative Human Microbiome Project".
- the WELL-FED microbiome COOKBOOK** by Kristina Campbell, featuring a dish of chicken and vegetables.
- The GOOD GUT** book by Justin Sonnenburg and Erica Sonnenburg, Ph.D., with a foreword by Dr. Andrew Weil.
- ACTIVIA shot** probiotic product, highlighting "1 billion live probiotics" and "Source of fibre".
- MICROBIOME PACKAGE OPTION 1** graphic showing a hand holding a heart, a laptop, and a box of MetabioMe.
- The Amazing Benefits of Kefir Milk** graphic featuring a smiling girl.
- How to feed your MICROBIOME** graphic with a bowl of food, stating "A simple diet for health, wellness and weight-loss".

Microbiome and Nutrition webinars