



Alba Iulia University of Applied Sciences



MINISTERUL CERCETĂRII, INOVĂRII ȘI DIGITALIZĂRII



MINISTERUL EDUCAȚIEI



Administrația Prezidențială



ACADEMIA ROMÂNĂ

uefiscdi

Smart Diaspora 2023

www.diaspora-stiintifica.ro

Bioinformatics without frontiers – From data infrastructures to multidisciplinary applications

10 - 13 Aprilie 2023, Timișoara

Eveniment aflat sub înaltul patronaj
al Președintelui României



Parteneri instituționali:



Parteneri:



Parteneri media:



Bioinformatics without frontiers - conclusions

<https://www.info.uvt.ro/smart-diaspora-2023-bioinformatica/>

5 sessions:

- Genome and Epigenome Regulation
- Artificial Intelligence in Bioinformatics
- Genomics in Biodiversity Conservation
- High Performance Computing
- Structural Bioinformatics
- 20 presentations
- speakers from 7 countries
- multi-disciplinary topics



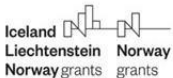
Bioinformatics without frontiers - conclusions

- Bioinformaticians are needed ...
 - Which is the profile of a bioinformatician? – competences in data science, big data analysis, computational modelling, high performance computing, artificial intelligence, software tools
 - There is a need for educational and training programs in bioinformatics – cooperation between existing master programs in bioinformatics
- Bioinformatics in Romania
 - How to put the things together?
 - Infrastructure – need for a national supercomputing center
 - Data
 - Expertise

Societatea Română de Bioinformatică

Societatea Română de Bioinformatică este o comunitate științifică, fondată în 2019, care are ca scop dezvoltarea bioinformaticii în România.



Procesarea datelor de secvențiere de nouă generație

• 9 februarie 2023, 18:00 – 20:00

• Dr. Alexandru Mizeranschi,

• **142 de participanți**



• 10 februarie 2023, 18:00 – 20:00

• Dr. Iulia Sabău

• **125 de participanți**

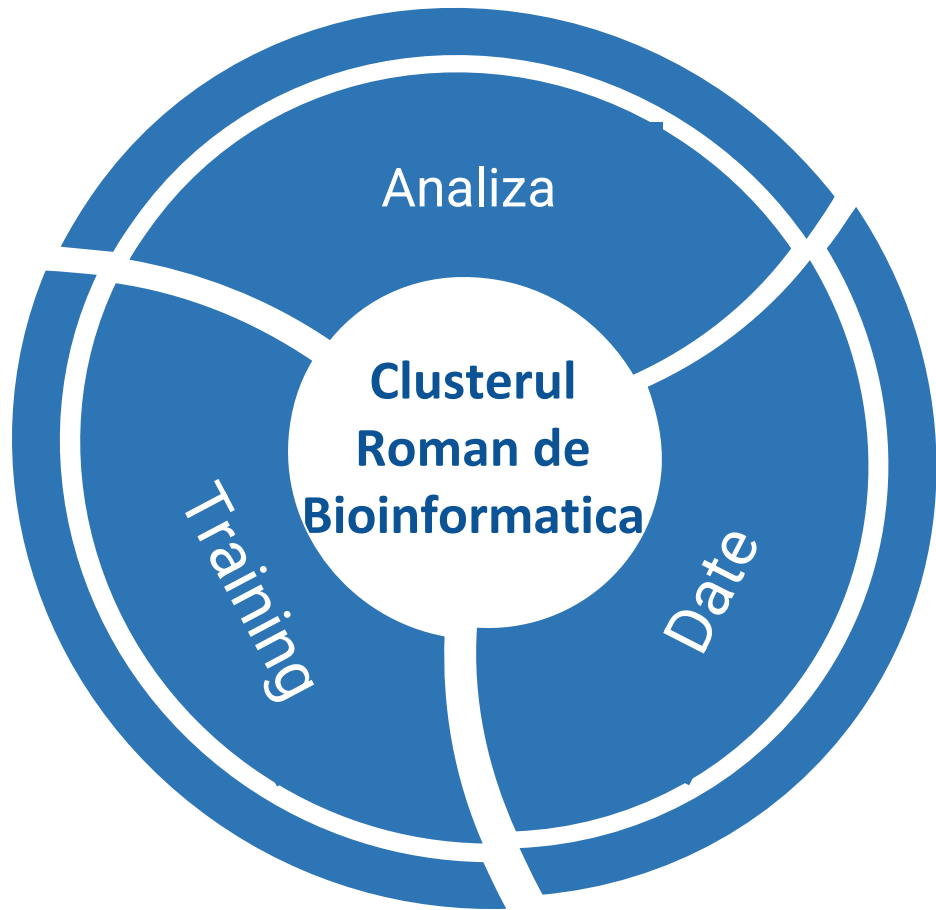
Webinar 1:
Concepte introductive

Webinar 2:
Demonstrație folosind platforma Galaxy




















RSBI – Romanian Society of Bioinformatics

- Professional society
- Focus on training
- Driving European interactions



CRB – Romanian Bioinformatics Cluster

- NGO founded by Romanian universities society
- Focus on infrastructure
- Legal federated structure from 2022. Can deploy national scale projects.

 University of Medicine and Pharmacy "Carol Davila" Bucharest umfcd.ro	 University of Bucharest unibuc.ro	 Institute of Biochemistry of the Romanian Academy www.biochim.ro	 The National Institute for Research & Development in Informatics – ICI Bucharest www.ici.ro
 "Iuliu Hatieganu" University of Medicine and Pharmacy Cluj-Napoca www.umfcluj.ro	 Babes-Bolyai University Cluj-Napoca www.biochim.ro	 University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca www.usamvcluj.ro	 University of Medicine and Pharmacy Craiova www.umfcv.ro
 Clinical Emergency County Hospital Craiova health.scjuc.eu	 Regional Institute of Oncology Iasi www.iroiasi.ro	 Grigore T. Popa University of Medicine and Pharmacy Iasi www.umfiasi.ro	 Alexandru Ioan Cuza University of Iasi www.uaic.ro
 "Stefan cel Mare" University of Suceava usv.ro	 George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures www.umfst.ro	 Politehnica University Timisoara www.upt.ro	 West University of Timisoara www.uvt.ro
 "Victor Babes" University of Medicine and Pharmacy Timisoara www.umft.ro	 Romanian Society of Medical Genetics www.srgm.ro	 Romanian Society of Bioinformatics www.rsbi.ro	

Way forward for bioinformatics in Romania?

Is the ELIXIR membership a solution? Better solutions for structural interactions with European bioinformatics?

Do we need nation-wide data structures or are the European & international ones answering the needs?

Which should be the priority of national initiatives:

data – methods -- training – computing?