



## **EuroCC@Greece Thematic Event**

HPC for the Greek Health and Life Sciences Sector

Draft Programme

17 June, 2021

16:00 – 19:30 GMT +3

Meeting venue:

[Zoom Registration Link: here](#)

[Zoom event Link: here](#)

Meeting PassCode – prior registration is required: 839996

## EuroCC@Greece Thematic Event

### HPC for the Greek Health and Life Sciences Sector

Title and Content	Duration	Speakers
<i>Welcome and Introduction</i>	5'	Angelos Bilas, FORTH
EUROHPC/ EuroCC National Competence Center/ short presentation of activities (training, skills development, technology transfer, collaboration with industry)/ what's in it for the life sciences sector	30'	Ilias Hatzakis, GRNET Xenia Ziouvelou, Demokritos Pavlos Sermpezis, AUTH Lena Kanellou, FORTH
The EUROHPC JU Industry INFRAG	10'	Zoe Cournia, EUROHPC JU INFRAG
CompBioMed: A Centre of Excellence in Computational Biomedicine	10'	Andrea Townsend-Nicholson, CompBioMed
HPC use by the academic & research communities in Greece	10'	Katerina Tzortzatou, Demokritos
Questionnaire presentation and handout	15'	Pavlos Sermpezis, AUTH
Experiences using HPC facilities for research on life sciences		
- <i>Success stories and practical considerations using HPC resources in academic and industrial use cases</i>	15'	Zoe Cournia, BioAcademy
- <i>PediDose: A pediatric simulated dosimetry platform for clinical use</i>	15'	Panagiotis Papadimitroulas, Bioemtech
- <i>HPC enables and accelerates data-driven solutions in biomarker discovery towards precision medicine.</i>	15'	Katerina Hatzaki, DUTH
Accessing HPC facilities	20'	Dimitris Dellis, GRNET
- <i>What HPC facilities are available in Europe</i> - <i>How to request access / how access is granted</i> - <i>What infrastructure is available / what training is required</i>		
HPC for life sciences: Key technologies to get you started		
- <i>Introduction to Workload Management</i>	10'	Lena Kanellou, FORTH
- <i>Parallel Computing – An MPI Case Study</i>	10'	Manolis Ploumidis, FORTH
- <i>Why Accelerators? GPUs and their advantages</i>	10'	Manos Pavlidakis, FORTH
- <i>Graph Analytics with Spark</i>	10'	Polyvios Pratikakis, FORTH
- <i>Data Management</i>	10'	Dimitris Dellis, GRNET
<i>Wrap-up and Closing</i>	5'	FORTH