

Contents

Editorial	A rational structure-based drug design strategy for the discovery of novel antiviral agents against the
News	Yellow Fever Virus helicase
In memory of Dr. Allan Orozco	Eleni Papakonstantinou, Katerina Pierouli, George N Goulielmos, Elias Eliopoulos
Emiliano Barreto-Hernández3	Goulielmos, Liius Liiopoulos50
Reports	Structural analysis on mutations related to Alzheimer's disease
Report of the ML4Microbiome workshop 2021 -	Antigoni Avramouli, Eleftheria Polychronidou, Panayiotis
Statistical and Machine Learning Techniques for Microbiome Data Analysis	<i>Vlamos</i> 44
Eliana Ibrahimi, Ilze Elbere, Magali Berland, Domenica	Protein Spotlight
D'Elia 4	Protein Spotlight 234 50
Reviews	Protein Spotlight 236
The medical cyborg concept	Protein Spotlight 237 54
Eleni Papakonstantinou, Thanasis Mitsis, Konstantina Dragoumani, FloraBacopoulou, VasilisMegalooikonomou, George P. Chrousos, Dimitrios Vlachakis	Protein Spotlight 239 56
Deep Learning concepts for genomics: an overview Merouane Elazami Elhassani, Loic Maisonnasse, Antoine	

Research Papers

Editorial

The last year was a year that presented completely new challenges to the bioinformatics research community. Not only at the level of development of new algorithms and workflows for the analysis of the always increasing data produced by the life sciences community but also at the level of human interactions. Since 2020 most of our conferences and meetings were held virtually leading to a lost in human touch and social interactions at coffee breaks, occasions that usually result in new collaborations and synergies. The most used phrases in our communications became: "Can you hear me"

or "you are muted". Lecturing could easily become boring also for a speaker when all participant windows started the black window march into darkness creating a communication and interaction failure. But most of us adapted and we continued our research work, efforts that resulted on publications. The articles and reports published in Volume 27 of EMBnet.journal are a small prove of that.

Erik Bongcam-Rudloff

Editor-in-Chief erik.bongcam@slu.se

http://dx.doi.org/10.14806/ej.27.0.1032