

International Workshop

PROGRAMME

Chairs: Giuditta De Lorenzo – Alessio Ansuini

9.00 – 9.15	Registration
9.15 – 9.30	Opening and Institutional Welcome
	Caterina Petrillo, President of Area Science Park
9.30 – 9.45	Introductions to PRP@CERIC
	Federica Mantovani , Infrastructure Manager of the PRP@CERIC, RI project funded by PNRR, at Area Science Park
9.45 – 10.15	Meeting Introduction
	Giuditta De Lorenzo - Area Science Park
10.15 - 11.00	Assessing virus evolution with Protein Language Models
	David Robertson - MRC-University of Glasgow Centre for Virus Research
11.00 - 11.30	Coffee Break





11.30 – 12.00	Modelling mutation effects and structural variability with Protein Language Models
	Francesca Cuturello - Area Science Park
12.00 – 12.30	Reverse vaccinology 3.0: the artificial intelligence revolution to propel vaccine development
	Emanuele Andreano - Fondazione Biotecnopolo di Siena
12.30 - 12.45	AI, how expensive you are!
	Niccolò Tosato - Area Science Park
12.45 – 14.00	Lunch
14.00 – 14.45	Scaling AI protein structure prediction to the virosphere.
	Joe Grove - MRC-University of Glasgow Centre for Virus Research
14.45 – 15.30	DPCstruct: Unsupervised Domain Classification of Alphafold2 predicted structures
	Alberto Cazzaniga - Area Science Park
15.30 – 16.30	Roundtable
	Biosecurity implications of the use of AI in virology: a trade-off between biological risk and the advancement of science
	Introduction from Alessandro Marcello – ICGEB
16.30 – 16.40	Closing Remarks



