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ΣΕΜΙΝΑΡΙΟ ΣΕΜΙΝΑΡΙΟ

ΟΜΙΛΗΤΗΣ: **Georgios Pavlopoulos, Bioinformatics Researcher**

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ΘΕΜΑ: **Mining, Integration and Visualization approaches in the -omics universe**

ΤΟΠΟΣ: Αίθουσα Σεμιναρίων ITE/IECHM

ΗΜΕΡΟΜΗΝΙΑ: **Τρίτη, 27 Οκτωβρίου 2015**

ΩΡΑ: **12:30**

ΠΕΡΙΛΗΨΗ

Life sciences is one of the biggest generators of enormous datasets, mainly as a result of recent and rapid technological advances; their complexity can make these datasets incomprehensible without effective visualization and mining methods. Here we discuss the past, present and future of -omics and systems biology world and we focus on tools which cope with this information overload both in terms of mining and visualization.

Σύντομο βιογραφικό σημείωμα

Dr. Pavlopoulos was admitted in the Department of Computer Science and of the University of Athens in 2000 where from he graduated in 2004. He continued his studies at the University of Leeds in UK, where he completed a Masters in Computational Biology and Bioinformatics with distinction in 2005. Shortly after his MRes completion, Dr. Pavlopoulos was appointed as a PhD candidate at the European Molecular Biology Laboratory (EMBL-Heidelberg-Germany) in 2005. He successfully obtained his PhD in 2009 entitled: "Visualization and Data Integration techniques in Systems Biology". He then moved to Belgium for two years (2011 - 2012) where he worked as a postdoctoral fellow at the Faculty of Electrical Engineering, Catholic University of Leuven (KU Leuven). His research involved implementation of efficient visualization techniques in the area of comparative genomics. He then moved to Greece working at the Faculty of Medicine - University of Crete as a senior postdoctoral researcher working on text mining techniques in Systems Biology. He served for two years as the elected secretary and ELIXIR representer of the Hellenic Society for Computational Biology and Bioinformatics and he is expected to move to Berkeley Labs in California where he will be working in the areas of Genomics and Metagenomics. He has authored 35 publications in peer viewed journals and conferences.