



University of Cyprus
Department of Biological
Sciences

Postgraduate Seminars

Seminar Series 2018-2019

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(Chemical Process & Energy Resources Institute - Centre for Research and Technology Hellas),
Thessaloniki, Greece

“Developing computational biology: From comparative genomics to systems biomedicine”

Tuesday, 30 October 2018, at 12:00 noon

Building FEB (ΟΕΔ) 01, Floor -2, Room B223, Panepistimioupoli Campus

This seminar is open to the public

Modern biology is experiencing a deep transformation by the expansion of molecular-level measurements at all scales, using omics technologies. A key element in this transformation is the field of bioinformatics, that has -in the meanwhile- permeated pretty much all of biological and biomedical research and is now emerging as a key inter-disciplinary area that connects the natural sciences, advanced engineering, science education and policy. While omics information provides the elements for research & development in the life sciences, network biology has indeed provided a language with which meaning can be extracted from complex datasets. I will briefly review our earlier efforts in comparative genomics, the transition to systems biomedicine and discuss recent research activities in this area as well as initiatives to develop the field in the wider region and the lessons learned, regarding such efforts away from the major epicentres.