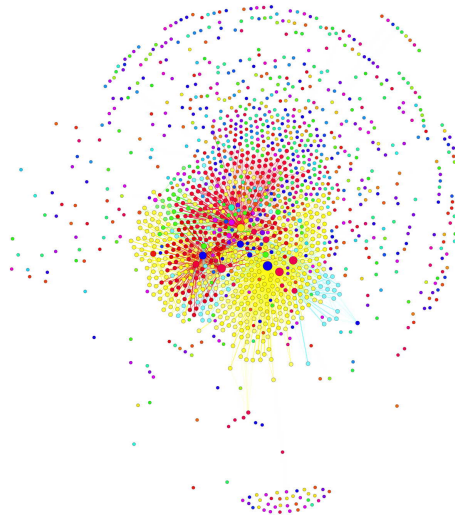


Network analysis tools in food microbial ecology: a workshop



Lecturer: Prof. Eugenio Parente, Dipartimento di Scienze, Università degli Studi della Basilicata (find out more at: http://www2.unibas.it/parente/wordpress/?page_id=281)

Time and venue: 15/2/2016, 9.00-13.00 Aula A9

Language: English/Italian

Duration: 4 h (2 h lecture + 2 h practical), 1 ECTS credits

Content: Network science is an interdisciplinary field which focuses on complex networks in social science, computer science, biology. This short workshop will introduce basic concepts in network analysis (terminology, types of networks, network statistics) and describe in detail applications in (microbial) ecology (phage-bacteria infection networks, OTU-sample networks, co-occurrence/co-exclusion networks). A short hands on introduction to network analysis and visualization software (Gephi, Cytoscape) will follow.

Maximum number of attendees: 10 for the lecture, 5 for the workshop (send you inquiry to eugenio.parente@unibas.it; students will be accepted on a first come/first serve basis)

Further requirements: to attend the workshop you have to download on your notebook Gephi (<https://gephi.org/>) and/or Cytoscape (<http://www.cytoscape.org/>)