Plant Bioinformatics, Systems and Synthetic Biology
Summer School
University of Nottingham, UK
27 – 31 July 2009

Target audience:
Doctoral students from relevant disciplines

Aims:
To introduce cutting-edge research in bioinformatics, systems and synthetic biology, applied to plant biology

Financial support:
Funding for tuition, accommodation, meals & travel is available for a limited number of students from ESF member countries

Selection of topics included in the summer school:
• An Introduction to Bioinformatics Infrastructures
• Structural Bioinformatics
• Data integration for plant systems biology
• Virtual Plants
• Computational Systems Biology
• Mathematical Modeling in Plant Systems Biology
• Comparative and functional genomics
• Bioenergy
• Automated Design in Synthetic Biology
• Design and optimality in photosynthesis and carbon fixation
• Synthetic biology of plants: challenges and accomplishments

To register:
http://lobelia.cs.nott.ac.uk/plantsummerschool
Deadline:
15 June 2009
Contact:
plantsummerschool@cs.nott.ac.uk
List of confirmed invited speakers

Alfonso Valencia (Spanish National Center for Cancer Research)
Jaime Prilusky (Weizmann Institute of Science)
Christophe Godin (INRIA)
Paola Quaglia (COSBI)
John King (University of Nottingham)
Marie-Theres Hauser (University of Natural Resources and Applied Life Sciences, Vienna)
Katherine Smart (University of Nottingham)
Alfonso Jaramillo (Ecole Politechnique, France)
Ron Milo (Weizmann Institute of Science)
Mauricio Antunes (Colorado State University)

Venue for lodging, lectures and laboratory demonstrations:

University Park Campus & Jubilee Campus, University of Nottingham