

**IUSS – Università degli Studi di Ferrara**

**Corso di Dottorato**

**su**

**Knowledge Discovery in Life Sciences**

24 Giugno 2013

Aula 15 - Polo Scientifico Tecnologico, Via Saragat 1 – Ferrara

*Opening*

- h. 9.15-11.00 Gaetano Zanghirati (Università di Ferrara)  
Support Vector Machines (SVM) for binary classification: A special algorithm
- h. 11.00-11.30 Silvia Ghirotto (Università di Ferrara)  
Hypothesis testing by means of ABC (Approximate Bayesian Computations),
- h. 11.30-13.15 Marco Prato (Università di Modena-Reggio Emilia)  
SVM regression and other iterative regularization algorithms applied to:  
- brain activity interpretation from fMRI signals  
- prediction of subjective pain perception from fMRI signals

*Discussion*

- h. 14.00-18.00 Fazel Famili (National Research Council, Canada)  
Knowledge Discovery in Life Sciences: An Applied Perspective with Machine Learning Techniques

*Discussion*