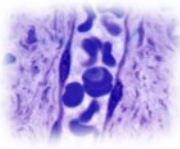


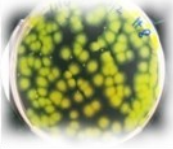

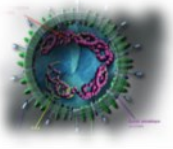

DIPARTIMENTO DI BIOTECNOLOGIE MEDICHE
DOTTORATO DI RICERCA IN BIOTECNOLOGIE MEDICHE

Erasmus+
Enriching lives, opening minds.

Structure and function of proteins: Theory and practice

Prof. André Matagne

Laboratory of Enzymology and Protein Folding
Centre for Protein Engineering, University of Liège, Belgium

June 17-21, 10:00-13:00
Polo Didattico Le Scotte – Aula 2

Prof. Luisa Bracci,
Head, Department of
Medical Biotechnologies

Prof. Francesco Iannelli,
Coordinator, Doctoral School in
Medical Biotechnologies

Organizer: Prof. Jean-Denis Docquier, Department of Medical Biotechnologies
(info:* jddocquier@unisi.it - 0577/23 3134*)

Faculty and programme

Prof. André Matagne

University of Liège, Belgium

André Matagne is Full Professor of Enzymology and Protein Folding and Director of the Centre for Protein Engineering. He is the founder of Robotein®, an automated high-throughput biomolecular and biophysical protein analysis platform, part of the European Instruct-ERIC (European Research Infrastructure Consortium for structural biology research) network.

The objective of this course (approx. 10 hours) will be to illustrate how optical methods (UV-visible absorption, fluorescence, infrared and circular dichroism) can be used to study protein folding, dynamics and stability.

The course will include a review of the optical properties of proteins. Then, concrete examples (e.g. β-lactamases, single-domain antibody fragments, lysozymes) will be analysed in detail, on the basis of theoretical background (briefly reviewed during the course) and data found in the literature.