

# Biomolecular Simulation

1 - 8 July | 2008  
 Pasteur Institute | Paris  
 FRANCE



## Instructors

**Arnaud BLONDEL**  
 Paris, France

**Valerie DAGGETT**  
 Seattle, USA

**Konrad HINSEN**  
 Paris France

**Leslie KUHN**  
 Michigan, USA

**Richard LAVERY**  
 Lyon, France

**Alan MARK**  
 Brisbane, Australia

**Phineus MARKWICK**  
 Grenoble, France

**Adrian MULHOLLAND**  
 Bristol, United Kingdom

**Michael NILGES**  
 Paris France

**Tom SIMONSON**  
 Strasbourg, France

**Anna TRAMANTANO**  
 Rome, Italy

**Rebecca WADE**  
 Heidelberg, Germany

» Molecular simulation techniques have never been as accessible and as valuable to biologists as they are now.

Advances in modelling and simulation methodology are bringing improved accuracy and possibilities for new applications. Ever more powerful computers are enabling simulations of larger systems for longer times. Consequently, the results are becoming more meaningful and there is increasing scope for direct comparison with experiment. «

## Course topics will include:

- Molecular and Brownian dynamics simulation ■
- Monte Carlo techniques ■
- Electrostatics ■
- Free energy calculations ■
- QM/MM ■
- Homology modeling ■
- Drug design ■

## Organisers

**Michael Nilges**  
 Pasteur Institute  
 Paris, France  
*nilges@pasteur.fr*

**Rebecca Wade**  
 EML Research GmbH  
 Heidelberg, Germany

*Rebecca.Wade@eml- r.villa-bosch.de*

## Registration

The costs of the course, hotel accommodation and reasonable meal costs will be covered by EMBO.

**There is no registration fee**  
*(except for participants from industry for whom the fee is 1000,00 Euro).*

**All selected students will be expected to cover their own travel costs.**

Application deadline: 10th April, 2008

<http://cwp.embo.org/pc08-12/>

