



29<sup>TH</sup> JUNE TO  
10<sup>TH</sup> JULY 2015

Share your knowledge with  
international researchers  
and students from different  
countries and cultures.



Organisée par l'Université d'Angers en collaboration avec l'Université de Nantes, l'école d'été internationale bioinformatique est destinée aux étudiants (de la L3 jusqu'au post-doc) en biologie, médecine, pharmacie, diplôme d'ingénieur, etc. qui souhaitent ouvrir leur champ de compétences à la bioinformatique.

*29 juin 2015 – 10 juillet 2015*

### *Dealing with big data and big models in biology: current challenges in bioinformatics*

Bioinformatics is an exciting new area of interdisciplinary science. The future of many biological and medical studies promotes smart use of computational tools as an essential knowledge in scientists background. The program developed in this summer school aims at bringing students the ability to conduct ambitious biological studies from big data analysis to extract relevant biomarkers to large scale models engineering in order to enhance biological production. Topics to be covered include different fields of bioinformatics: data processing of genomic data, optimization methods in systems biology, statistics and classification for biomarker extraction, meta-genomics and a few more. Focus is also made on valorization concerns and technology transfer. Workshops and visits of institutes in bioinformatics facilities are of course included.

The course will be entirely taught in English.

[more information](#)