



Bioinformatics for researchers

hands-on training at EMBL-EBI 

Training Programme 2010

- **EMBO Practical Course on computational aspects of protein structure determination and analysis: from data to structure to function 6–10 September 2010**
This course teaches computational aspects of protein structure determination, validation and analysis. Hands-on practical sessions will guide students through building a model from X-ray diffraction data; comparing and integrating different types of structural data, differences in interpretation; and how to use a variety of analysis tools to identify similarities that can help identify function. Finally, the importance of protein structure to drug development will be illustrated with a day focused on protein interactions, small molecules, chemoinformatics and docking.
Registration closes 23 July 2010
- **EMBO Practical Course on advanced analysis and informatics for microarray data 18–23 October 2010**
This course provides an introduction to advanced bioinformatics, statistical methodologies and software tools for analysing and managing transcriptomics data. The course will include demonstrations of microarray and next-generation sequencing data analysis software, including relevant bioinformatics resources, and practical sessions using these software/resources to analyse data.
Registration closes 3 September 2010
- **Joint EBI-Wellcome Trust Proteomics workshop 12–18 December 2010**
This workshop provides hands-on training in the use of public databases for peptide analysis; annotation of subsequent protein lists using these resources; incorporation of information from molecular interaction and pathway databases; and the use of protein 3D-structure data in proteomics experiments.
Registration closes 20 August 2010



www.ebi.ac.uk/training

Preview our 2011 Training Programme overleaf

Training Programme 2011

14–18 February 2011
9–13 May 2011
23–27 May 2011

20–24 June 2011
15–20 July 2011
12–16 September 2011
24–29th October 2011

Small molecule bioactivity resources at the EBI
Programmatic access to biological databases (Java)
In silico systems biology for complex diseases: network reconstruction, analysis and network based modelling
Summer school in bioinformatics
Proteomics bioinformatics workshop
Data resources and tools for structural biologists
EMBO Practical Course on analysis and informatics of transcriptomics data

Please check our website for course dates, descriptions and details on how to register. You can also sign up to receive training alerts at: www.ebi.ac.uk/training/handson/

We aim to meet the training needs of Europe's biological researchers and bioinformaticians in a way that is useful, engaging and relevant. If there are training needs you think we aren't meeting then please get in touch with us to let us know.

For expert-led, interactive training to larger audiences at your organisation, we coordinate bioinformatics training roadshows where you can tailor a two day course to meet your training requirements. To find out more, visit www.ebi.ac.uk/training/roadshow

