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Lightning Talk
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Infrastructure for Systems Biology Europe

Mission:
To establish and provide access to an integrated, distributed infrastructure of state-of-the-art facilities for systems biology across Europe

Further information: www.isbe.eu

Join the community: community.isbe.eu
What are the training needs and what are you doing to address these needs?

- Systems Biology involves the integration of experimental, mathematical and computational approaches to address biological questions.
- Systems biologists require a knowledge of how biological evidence is generated together with a knowledge of how mathematical modelling and prediction can be used to achieve biological understanding.
- They also require a comprehensive knowledge of the systems biology “toolbox” – with respect to data analysis, data generation, data integration, modelling and verification.
- We are reviewing training across Europe with a view to identifying best practice and defining a core curriculum to be piloted in a multi-centre EU programme in systems biology.
What can you offer at a Pan-European level that is sustainable?

As part of the Infrastructure for Systems Biology – Europe (ISBE) we plan to be able to:

• Network and support training activities in systems biology and to create a web-based tool for disseminating information related to training and best practice.

• Review curricula in systems biology and define a core curriculum, plus sector based options.

• Create a pilot multicentre EU programme in systems biology
What is your vision for a Pan-European, over-arching training strategy?

• To increase awareness of bioinformatics training
• To improve access to bioinformatics training
• To identify common core skills in bioinformatics required by all life scientists
• To develop standards for bioinformatics training – especially for core skills
• To provide timely training to facilitate use of new bioinformatics resources