

GENESYS

The exploitation of genetic variation in gene network inference

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What is GeneSys?

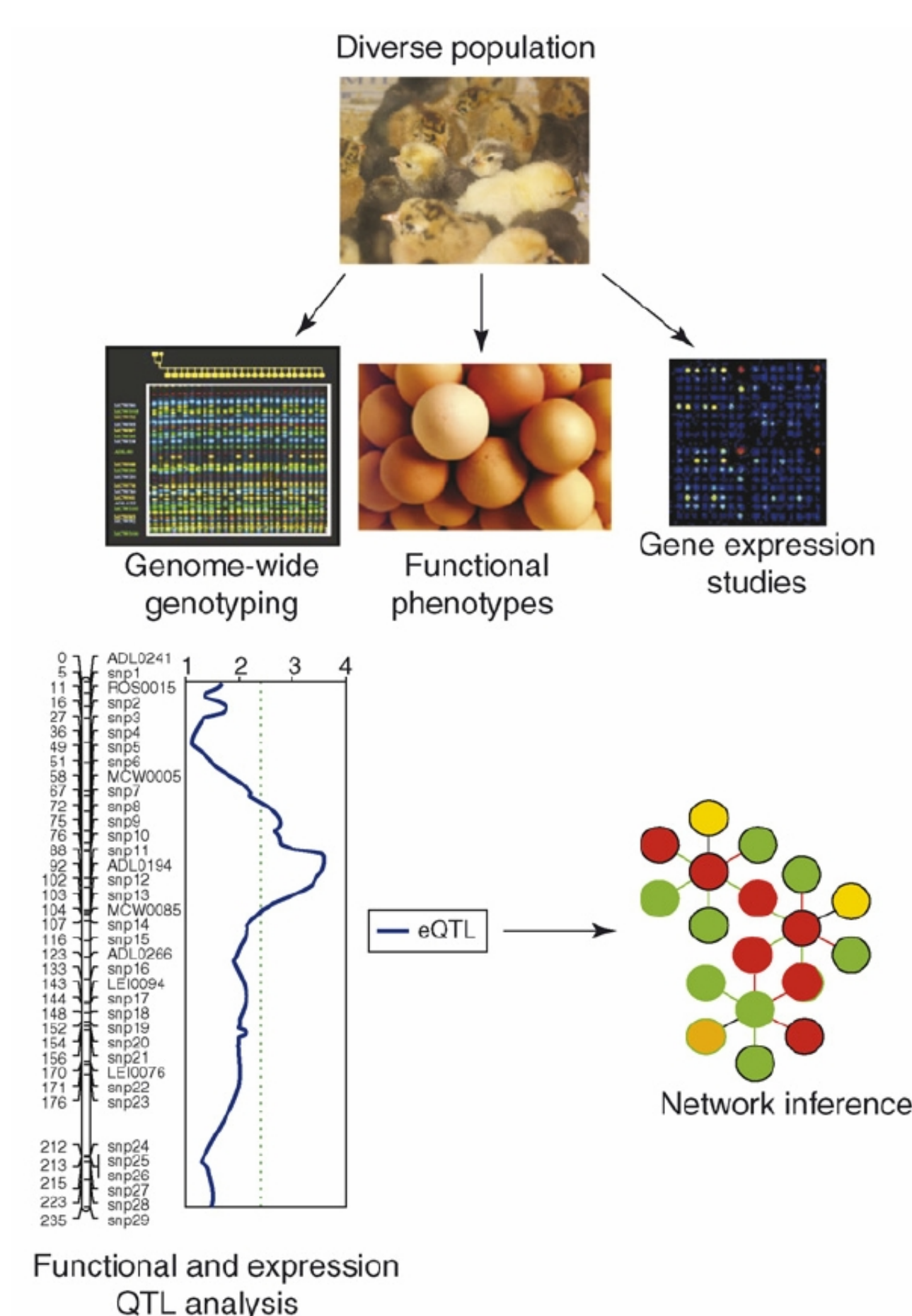
- BBSRC funded research network
- Objective: Integration and dissemination of knowledge to facilitate dissection of the genetics of functional variation
- Organise annual meetings
- First meeting autumn 2008, Edinburgh

Challenges

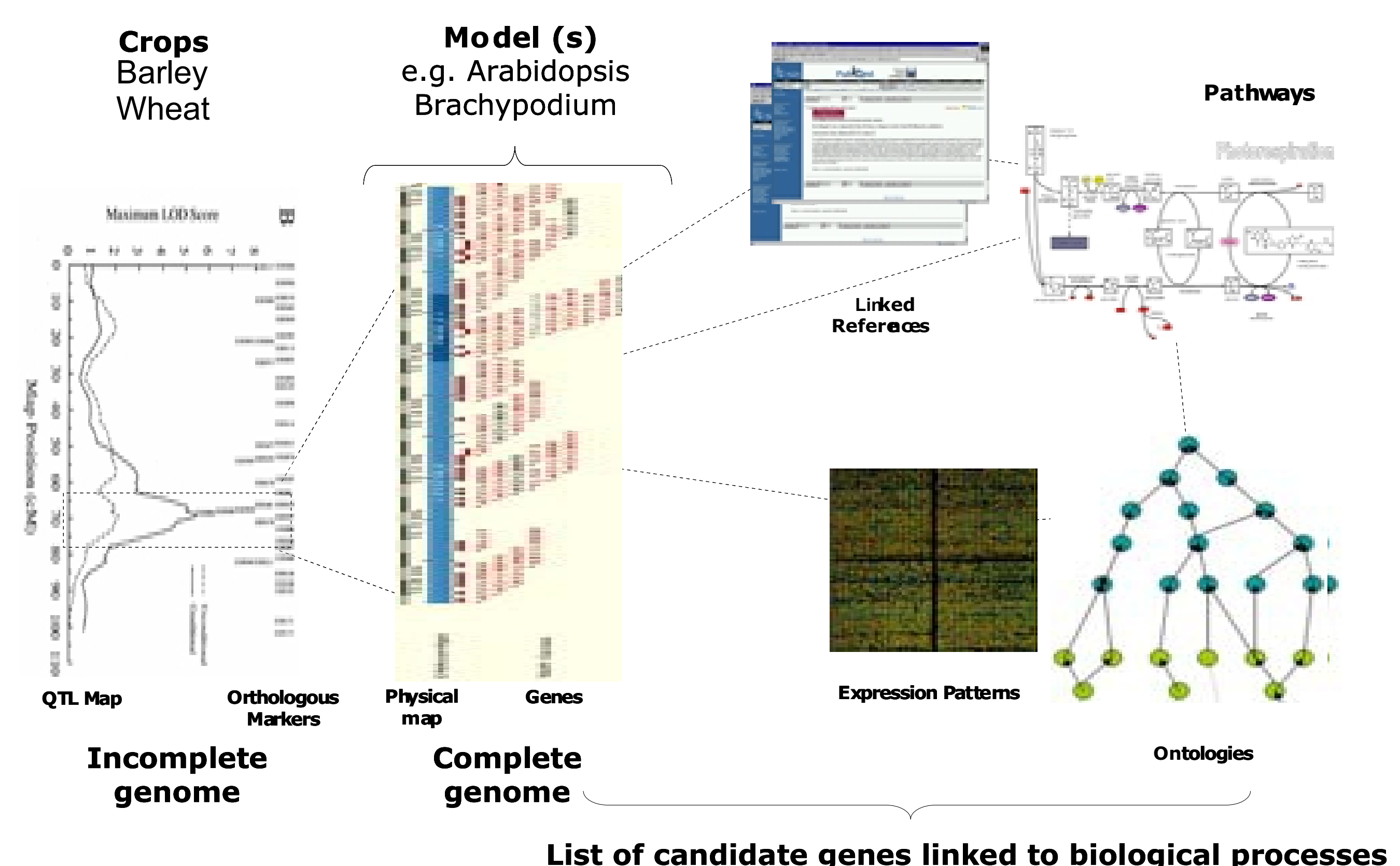
- Reverse engineering of gene networks
- Mining the public domain
- Optimizing the experiments
- Biological Interpretation
- Integration of all these

How to integrate genetic mapping and high-throughput data to explain functional variation?

Concept of eQTL mapping



Bioinformatics



Dissection of functional variation using eQTL studies requires integration of advanced computational and bioinformatics tools

The GENESYS network will facilitate this integration

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