

COST Action no. TD1101

## A Collaborative European Network on Rabbit Genome Biology (RGB-Net)

2011 | 2015

### Objectives

- To refine rabbit genome information for downstream applications and exploitation
- To disseminate the potential role of genomic and post-genomic applications in all rabbit biology fields and transfer of knowledge to interested parties
- To foster studies in basic and applied biology fields using the rabbit
- To coordinate research efforts in different rabbit applied biology areas

### Main Achievements

- **Scientific outputs obtained due to networking:**
  - Resequencing projects of the rabbit genome to obtain answers on rabbit domestications.
  - Massive SNP discovery projects.
  - Projects to improve assembly and annotation of the rabbit genome.
  - Projects to collect information on rabbit genetic resources
  - Systems biology vision of RGB-Net groups and expertises
- **Capacity building due to networking:**
  - Sharing of transcriptomic and genomic tools.
  - A training school in genomics/bioinformatics.
  - Programs to develop a commercial SNP chip.

[www.cost.eu/bmbs](http://www.cost.eu/bmbs)



**Biomedicine and Molecular Biosciences (BMBS)**

### Participating countries

AT, BG, CZ, DE, EL, ES, FI, FR, HR, HU, IT, MK, PL, PT, SI, SK, SE, TR, UK

### Contact details

#### Chair of the Action

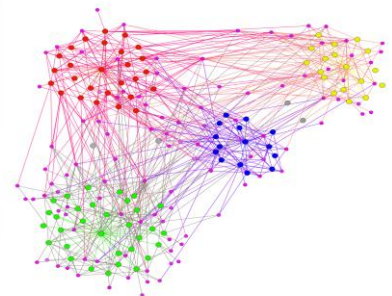
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## Working Group activities

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### Working Group 1

Refinement of the European rabbit genome resource and development of genome-based platforms

- *Improvement of the annotation and assembly of the European rabbit genome.*
- *Sharing and development of genomic tools and information.*
- *Sharing and development of transcriptomic tools and expertise.*
- *Systems biology platform.*

### Working Group 2

Genetics in meat, fur and pet rabbits and biodiversity resources

- *Genetics of phenotypic and production traits*
- *New breeding programs.*
- *Biodiversity resources.*

### Working Group 3

The European rabbit as a model in basic biology and human diseases and as a tool for biotechnology applications

- *Development of a database on the use of the rabbit as model in basic biology and in human diseases.*
- *Application of genomic tools and information to the study of basic biology aspects and for the exploitation of different rabbit models.*
- *Exploitation of rabbit genetic resources to define natural models of human diseases*
- *Rabbit as a model/tool for biotechnology applications*

### Working Group 4

Genetics and comparative genomic aspects for the study, exploitation and management of wild lagomorphs

- *Comparative genomics*
- *Population genomics of wild lagomorphs*
- *Conservation and management plans.*

### Industry participation

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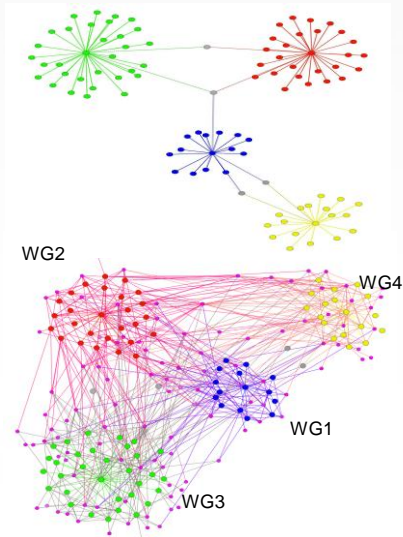
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