



| Collaborative/ service platform |

## MicroScope Platform

Certified IBiSA National Platform



### FIELD OF ACTIVITY

- Development of tools for the annotation of bacterial genomes and for comparative genomics and metabolic studies.
- Organization and management of genomic and metabolic data in database structures.
- Development of web interfaces for these tools and the MaGe ("Magnifying Genomes") annotation platform.
- Training in the annotation and comparative analysis of bacterial genomes using the MaGe graphic interface.
- Annotation of newly-sequenced genomes and re-annotation of published bacterial genomes.
- NGS data processing: polymorphism detection and RNA-Seq projects.

**Host laboratory** Genomics Institute

**Supervisory bodies** CNRS - CEA

**Funding bodies** CNRS - CRIF - CG91 -  
MESR - Genopole®

**Director** Jean Weissenbach

**Platform Managers**

**Claudine Médigue, David Vallenet**

**Contact details** Genoscope CNRS/UMR8030

Atelier de Génomique Comparative  
2, rue Gaston-Crémieux - F-91000 ÉVRY

**Web site** [www.genoscope.cns.fr/agc/microscope/](http://www.genoscope.cns.fr/agc/microscope/)

### EQUIPMENT/FACILITIES

MicroScope uses Genoscope's computing infrastructure, part of which has been funded by the Évry Genopole (semi-heavy equipment), the French Ministry of Research (the 2004-2007 ACI-IMPBio program) and the French National Research Agency (the 2007-2010 PFTV "MicroScope" program).

- // Automated syntactic, functional and relational annotation pipeline.
- // Calculation of groups of conserved genes (syntenies) for all published bacterial proteomes.
- // Genomic relational database containing the sequences and results of the methods and metabolic databases.
- // The MaGe graphic web interface for expert annotation and the exploration and analysis of genomic and metabolic data.

### ACCESS PROCEDURE

Please contact:

Claudine Médigue

Tel: +331 60 87 84 59

[cmedigue@genoscope.cns.fr](mailto:cmedigue@genoscope.cns.fr)

Access to databases and current projects *via* the Web site:

[www.genoscope.cns.fr/agc/microscope/](http://www.genoscope.cns.fr/agc/microscope/)