An integrated analysis of links between pathways of rna metabolism in the post-genomic era (RNOMICS)

Fact Sheet

Project Information

RNOMICS

Grant agreement ID: QLG2-CT-2001-01554

Project closed

Start date
1 December 2001

End date
30 November 2005

Funded under
Specific Programme for research, technological development and demonstration on "Quality of life and management of living resources", 1998-2002

Total cost
€ 2 111 006,00

EU contribution
€ 1 651 302,00

Coordinated by
N/A

Objective

RNA metabolism is central to gene expression and to its regulation. The functional analysis of genomes depends upon a good understanding of RNA metabolism to facilitate annotation of gene structure and to understand many of the pathways involved in gene expression. Starting with a large database of protein-protein interactions involved in RNA metabolism, combined with genomic sequence data, we will apply systematic functional analyses to study various aspects of RNA metabolism and how these are interlinked and integrated with other cellular

processes. European laboratories with expertise in different aspects of RNA metabolism will collaborate to develop and apply functional genomic and bio-informatics tools to produce an integrated database representing genetic, physical and functional data on RNA metabolic pathways and how these communicate with other cellular processes. In the database there will be a strong emphasis on comparing yeast and mammalian systems. Novel data that may be relevant to genetic disorders or pathogenic organisms will be disseminated or, where appropriate, exploited commercially.

Fields of science (EuroSciVoc)

natural sciences > biological sciences > biochemistry > biomolecules > proteins > **proteomics**

natural sciences > computer and information sciences > **databases**

natural sciences > mathematics > pure mathematics > mathematical analysis > **functional analysis**

natural sciences > biological sciences > genetics > **RNA**

natural sciences > biological sciences > genetics > **genomes**

Programme(s)

FP5-LIFE QUALITY - Specific Programme for research, technological development and demonstration on "Quality of life and management of living resources", 1998-2002

Topic(s)

1.1.1.-8. - Research into genomes and diseases of genetic origin

Call for proposal

Data not available

Funding Scheme

CSC - Cost-sharing contracts

Coordinator

N/A

EU contribution

No data

Total cost

No data

Address

Participants (4)

FUNDACAO DA UNIVERSIDADE DE LISBOA

Portugal

EU contribution

No data

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Total cost

No data

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EU contribution

No data

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Total cost

No data

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EU contribution

No data

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Total cost

No data

UNIVERSITAET BASEL

Switzerland

EU contribution

No data

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Total cost

No data

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