



# Genetics of Individuality

## Fact Sheet

### Project Information

#### IndiGene

Grant agreement ID: 810172

#### DOI

[10.3030/810172](https://doi.org/10.3030/810172)

#### EC signature date

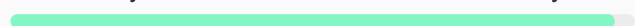
18 January 2019

#### Start date

1 February 2019

#### End date

31 July 2025



#### Funded under

EXCELLENT SCIENCE - European Research Council (ERC)

#### Total cost

€ 6 272 613,00

#### EU contribution

€ 6 272 613,00

#### Coordinated by

EUROPEAN MOLECULAR  
BIOLOGY LABORATORY



Germany

## Project description

### Sources of phenotypic variation in complex vertebrates

The goal of the EU-funded IndiGene project is the in-depth study and characterisation of the sources of variation resulting in phenotype variability in complex vertebrates. The project will characterise the genetic and environmental sources of variation and individual stochastic variation occurring even in fixed genetic and environmental conditions. Researchers selected the medaka fish (Japanese rice fish) as a model, and inbred and performed whole-genome sequencing of a panel of 111 diverse individual medaka from a single location. Now they plan to study the phenotypes of these fish using a high-replication structure, ranging from organism to molecular phenotypes. The data will be analysed using state-of-the-art methods to partition variation between genetic, environmental and stochastic components and their interactions.

# Programme(s)

[H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council \(ERC\)](#)

MAIN PROGRAMME

## Topic(s)

[ERC-2018-SyG - ERC Synergy Grant](#)

## Call for proposal

[ERC-2018-SyG](#)

[See other projects for this call](#)

## Funding Scheme

[ERC-SyG - Synergy grant](#)

## Host institution



### EUROPEAN MOLECULAR BIOLOGY LABORATORY

Net EU contribution

€ 837 261,00

Total cost

€ 1 668 988,00

Address

**Meyerhofstrasse 1**

**69117 Heidelberg**

 **Germany** 

Region

**Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis**

Activity type

**Research Organisations**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

## Beneficiaries (4)

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### EUROPEAN MOLECULAR BIOLOGY LABORATORY

 Germany

Net EU contribution

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Address

Meyerhofstrasse 1  
69117 Heidelberg 

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- [HORIZON collaboration network](#) 

Total cost

€ 1 668 988,00

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### THIRD-PARTY

### GENOME RESEARCH LIMITED

 United Kingdom

Net EU contribution

€ 831 727,00

Address

WELLCOME SANGER INSTITUTE WELLCOME GENOME CAMPUS HINXTON  
CB10 1SA SAFFRON WALDEN 

Region

East of England > East Anglia > Cambridgeshire CC

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



RUPRECHT-KARLS-UNIVERSITAET HEIDELBERG

Germany

Net EU contribution

€ 4 003 625,00

Address

SEMINARSTRASSE 2  
69117 Heidelberg

Region

Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 4 003 625,00



KARLSRUHER INSTITUT FUER TECHNOLOGIE

Germany

Net EU contribution

€ 600 000,00

Address

KAISERSTRASSE 12  
76131 Karlsruhe

Region

Baden-Württemberg > Karlsruhe > Karlsruhe, Stadtkreis

Activity type

**Higher or Secondary Education Establishments**

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

**€ 600 000,00**

**Last update:** 19 February 2025

**Permalink:** <https://cordis.europa.eu/project/id/810172>

European Union, 2025