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Systems biology towards novel chronic kidney disease diagnosis and treatment

Fact Sheet

Project Information

SYSKID

Grant agreement ID: 241544

[Project website](#) 

Project closed

Start date

1 January 2010

End date

31 December 2014

Funded under

Specific Programme "Cooperation": Health

Total cost

€ 15 743 594,00

EU contribution

€ 11 789 534,00

Coordinated by

EMERGENTEC

BIODEVELOPMENT GMBH



Austria

This project is featured in...

RESEARCH*EU MAGAZINE



Women in science — and
research to improve
women's lives

Objective

Chronic kidney disease (CKD) affects up to 10% of the population. Besides eventual progression towards end stage renal disease CKD impacts the patient's quality of life by causing serious comorbidities including cardiovascular complications and bone metabolism disorders. On the everyday clinical level early stage diagnosis and tailored treatment of CKD are still inadequate. In addition, CKD seems not to have reached its appropriate emplacement in an epidemiological and healthcare perspective yet, and the pathophysiology of the disease on a molecular and cellular level is not well enough understood. Our sysKID consortium was installed for precisely addressing these issues: To unravel the molecular and cellular mechanisms of chronic kidney disease development, combine this information with clinical risk factors, and on this basis delineate chronic kidney disease biomarkers. These markers will allow us to perform preclinical studies of novel therapy approaches for halting disease progression, and will provide us with the materials for development and clinical evaluation of tools for early stage diagnosis as well as prognosis and treatment monitoring. sysKID assures a successful implementation of these goals by a truly international consortium of 27 leading research groups. We combine clinical know how, provide access to a huge chronic kidney disease sample and clinical data pool, and build a Systems Biology framework for chronic kidney disease by integrating molecular and cellular biology, computational biology, statistics and epidemiology. Our expert group is further complemented by a high level advisory board covering science, product development, and the patient's perspective. sysKID implementation is structured for completing pre-clinical Proof of Concept studies of novel chronic kidney disease therapy regimes, and further for completing clinical evaluation of an epidemiological screening tool as well as of early stage chronic kidney disease diagnostic kits.

Fields of science (EuroSciVoc)

[medical and health sciences](#) > [health sciences](#) > [public health](#) > [epidemiology](#)

[medical and health sciences](#) > [basic medicine](#) > [physiology](#) > [pathophysiology](#)

[medical and health sciences](#) > [clinical medicine](#) > [nephrology](#) > [kidney diseases](#)



Programme(s)

[FP7-HEALTH - Specific Programme "Cooperation": Health](#)

Topic(s)

[HEALTH-2009-2.4.5-2 - Cellular and molecular mechanisms of the development of chronic kidney disease \(CKD\)](#)

Call for proposal

FP7-HEALTH-2009-single-stage
[See other projects for this call](#)

Funding Scheme

[CP-IP - Large-scale integrating project](#)

Coordinator



EMERGENTEC BIODEVELOPMENT GMBH

EU contribution

€ 816 380,00

Total cost

No data

Address

GERSTHOFER STRASSE 29-31

1180 Wien

 **Austria** 

Region

Ostösterreich > Wien > Wien

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Participants (28)



UNIVERSITE VICTOR SEGALEN BORDEAUX II

 France

EU contribution

No data

Address

RUE LEO SAIGNAT 146

33076 BORDEAUX CEDEX 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



MEDIZINISCHE UNIVERSITAET WIEN

 Austria

EU contribution

€ 965 360,00

Address

SPITALGASSE 23

1090 Wien 

Region

Ostösterreich > Wien > Wien

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



MEDIZINISCHE UNIVERSITAT INNSBRUCK

 Austria

EU contribution

€ 1 526 360,00

Address

CHRISTOPH PROBST PLATZ 1

6020 Innsbruck 

Region

Westösterreich > Tirol > Innsbruck

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



MOSAIQUES DIAGNOSTICS GMBH

 Germany

EU contribution

€ 662 140,00

Address

ROTENBURGER STRASSE 20

30659 Hannover 

Region

Niedersachsen > Hannover > Region Hannover

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



ProScience Communications - die Agentur fur Wissenschaftskommunikation GmbH

 Germany

EU contribution

€ 114 000,00

Address

Andechser Weg 17
82343 Poecking 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



NOVO NORDISK INVEST 4 A/S

 Denmark

EU contribution

€ 336 672,00

Address

NOVO ALLE 1
2880 BAGSVAERD 

Region

Danmark > Hovedstaden > Københavns omegn

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITÄTSKLINIKUM ERLANGEN

 Germany

EU contribution

€ 336 160,00

Address

MAXIMILIANSPLATZ 2

91054 Erlangen 

Region

Bayern > Mittelfranken > Erlangen, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



ACADEMISCH ZIEKENHUIS GRONINGEN

 Netherlands

EU contribution

€ 620 120,00

Address

HANZEPLEIN 1

9713 GZ Groningen 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



ŚLĄSKI UNIWERSYTET MEDYCZNY W KATOWICACH

 Poland

EU contribution

€ 166 240,00

Address

UL. PONIATOWSKIEGO 15

40 055 Katowice 

Region

Makroregion południowy > Śląskie > Katowicki

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



SEMMELWEIS EGYETEM

 Hungary

EU contribution

€ 166 240,00

Address

ULLOI UTCA 26

1085 Budapest 

Region

Közép-Magyarország > Budapest > Budapest

Activity type

Higher or Secondary Education Establishments

Links

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

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

Total cost
No data



UNIVERSITY OF GLASGOW

United Kingdom
EU contribution
€ 166 240,00

Address
**UNIVERSITY AVENUE
G12 8QQ Glasgow**

Region
Scotland > West Central Scotland > Glasgow City

Activity type
Higher or Secondary Education Establishments

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

Total cost
No data



BIOCRATES LIFE SCIENCES AG

Austria
EU contribution
€ 288 120,00

Address
**EDUARD BODEM GASSE 8 1 STOCK
6020 Innsbruck**

Region
Westösterreich > Tirol > Innsbruck

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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

Total cost

No data



CHARITE - UNIVERSITAETSMEDIZIN BERLIN

Germany

EU contribution

€ 924 920,00

Address

Chariteplatz 1
10117 Berlin

Region

Berlin > Berlin > Berlin

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

No data



BIOGAZELLE NV

Belgium

EU contribution

€ 417 060,00

Address

TECHNOLOGIEPARK 82
9052 Zwijnaarde

Region

Vlaams Gewest > Prov. Oost-Vlaanderen > Arr. Gent

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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

Total cost

No data



CELERA CORPORATION

United States

EU contribution

€ 258 000,00

Address

Centerville Road - Suite 400 2711
19808 WILMINGTON

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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

Total cost

No data



ACADEMISCH MEDISCH CENTRUM BIJ DE UNIVERSITEIT VAN AMSTERDAM

Netherlands

EU contribution

€ 385 160,00

Address

MEIBERGDREEF 15
1105AZ Amsterdam

Region

West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type
Higher or Secondary Education Establishments

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

Total cost
No data



CONSIGLIO NAZIONALE DELLE RICERCHE

Italy
EU contribution
€ 186 614,00

Address
PIAZZALE ALDO MORO 7
00185 Roma

Region
Centro (IT) > Lazio > Roma

Activity type
Research Organisations

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

Total cost
No data



UNIVERSITE DE BORDEAUX

France
EU contribution
€ 261 160,00

Address
PLACE PEY BERLAND 35
33000 Bordeaux

Region

Nouvelle-Aquitaine > Aquitaine > Gironde

Activity type

Higher or Secondary Education Establishments

Links

- Contact the organisation Website
- Participation in EU R&I programmes
- HORIZON collaboration network

Total cost

No data



WEIZMANN INSTITUTE OF SCIENCE

Israel

EU contribution

€ 506 716,00

Address

HERZL STREET 234
7610001 Rehovot

Activity type

Higher or Secondary Education Establishments

Links

- Contact the organisation Website
- Participation in EU R&I programmes
- HORIZON collaboration network

Total cost

No data



UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN

Ireland

EU contribution

€ 485 500,00

Address

BELFIELD
4 Dublin

Region

Ireland > Eastern and Midland > Dublin

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

No data



ISTITUTO DI RICERCHE FARMACOLOGICHE MARIO NEGRI

Italy

EU contribution

€ 457 160,00

Address

VIA MARIO NEGRI 2
20156 Milano



Region

Nord-Ovest > Lombardia > Milano

Activity type

Research Organisations

Links

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

Total cost

No data



UNIVERSITAT DES SAARLANDES

Germany

EU contribution

€ 455 720,00

Address

CAMPUS
66123 Saarbrücken 

Region
Saarland > Saarland > Regionalverband Saarbrücken

Activity type
Higher or Secondary Education Establishments

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

Total cost
No data



FUNDACIO INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE 

 Spain
EU contribution
No data

Address
**AVENIDA GRAN VIA HOSPITALET 199-203
08908 L'Hospitalet De Llobregat** 

Region
Este > Catalunya > Barcelona

Activity type
Research Organisations

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

Total cost
No data



AMGEN (EUROPE) GMBH
 Switzerland
EU contribution

€ 31 200,00

Address

DAMMSTRASSE 23
6300 Zug 

Region

Schweiz/Suisse/Svizzera > Zentralschweiz > Zug

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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

Total cost

No data



THE ANTIBODY LAB GMBH

 Austria

EU contribution

€ 446 800,00

Address

DIVISCHGASSE 4
1210 WIEN 

Region

Ostösterreich > Wien > Wien

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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

Total cost

No data



UNIVERSIDAD DE CORDOBA

 Spain

EU contribution

€ 226 800,00

Address

AVENIDA DE MEDINA AZAHARA 5
14005 Cordoba 

Region

Sur > Andalucía > Córdoba

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



INSTITUT CATALA DE LA SALUT

 Spain

EU contribution

€ 457 052,00

Address

GRAN VIA DE LES CORTS CATALANES 587
08007 Barcelona 

Region

Este > Cataluña > Barcelona

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITAETSKLINIKUM AACHEN

 Germany

EU contribution

€ 125 640,00

Address

Pauwelsstrasse 30
52074 Aachen 

Region

Nordrhein-Westfalen > Köln > Städteregion Aachen

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

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European Union, 2025