

Comparative INsect CHRONobiology

Fact Sheet

Project Information

CINCHRON

Grant agreement ID: 765937

[Project website](#) 

DOI

[10.3030/765937](https://doi.org/10.3030/765937) 

Project closed

EC signature date

29 August 2017

Start date

1 June 2018

End date

30 November 2022

Funded under

EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost

€ 3 809 005,92

EU contribution

€ 3 809 005,92

Coordinated by

UNIVERSITY OF LEICESTER

 United Kingdom

Objective

Chronobiology is the study of biological rhythms. The best understood cycles are those with circadian 24 hour periods that modulate the temporal dynamics of physiology and behaviour of all higher organisms. Four model organisms have been widely used to study the underlying molecular biology of endogenous circadian clocks, Cyanobacteria, the fungus *Neurospora*, the fruitfly *Drosophila*, and the mouse. Insect clocks, both circadian and seasonal, are vital for adaptation to the environment and recent global patterns of climate change mean that insect pests and vectors of disease are expanding their ranges into Europe. Consequently there is an urgent need to study the circadian clocks of these insects and how they synchronise

to the environment. CINCHRON will create an integrated European centre of excellence for the research training of ESRs in the emerging multidisciplinary field of Comparative INsect CHRONobiology. CINCHRON will bring together molecular neurogeneticists working predominantly with *Drosophila*, and comparative biologists who study circadian and seasonal clocks of non-model insects of economic importance. These researchers have different approaches so we will harness their different skills for mutual benefit via the integrated training of their ESRs in association with industrial partners. This will be done by high level interactions between university and industry, as well as interactions among laboratories with different areas of expertise, thereby connecting the different sectors (academic and commercial) as well as different disciplines. The goal is to seed-corn the next generation of researchers with highly trained, flexible workers in cutting edge technological methods and complementary generic skills that will support European academic, academic-related and industrial institutions. CINCHRON will therefore contribute to the integration and cohesion of future European research efforts in solving pure and applied biological problem.

Fields of science (EuroSciVoc)

[natural sciences](#) > [biological sciences](#) > [microbiology](#) > **[mycology](#)**

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

[natural sciences](#) > [biological sciences](#) > [zoology](#) > **[entomology](#)**

[natural sciences](#) > [earth and related environmental sciences](#) > [atmospheric sciences](#) > [climatology](#) > **[climatic changes](#)**

[natural sciences](#) > [biological sciences](#) > **[molecular biology](#)**



Keywords

[Insects](#)

[circadian](#)

[seasonal](#)

[clock](#)

[genetics](#)

[synchronize](#)

[environment](#)

Programme(s)

[H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#)

MAIN PROGRAMME

[H2020-EU.1.3.1. - Fostering new skills by means of excellent initial training of researchers](#)

Topic(s)

[MSCA-ITN-2017 - Innovative Training Networks](#)

Call for proposal

[H2020-MSCA-ITN-2017](#)

[See other projects for this call](#)

Funding Scheme

[MSCA-ITN - Marie Skłodowska-Curie Innovative Training Networks \(ITN\)](#)

Coordinator



UNIVERSITY OF LEICESTER

Net EU contribution

€ 546 575,76

Total cost

€ 546 575,76

Address

UNIVERSITY ROAD

LE1 7RH Leicester

 **United Kingdom** 

Region

East Midlands (England) > Leicestershire, Rutland and Northamptonshire > Leicester

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Participants (10)



UNIVERSITAET MUENSTER

 Germany

Net EU contribution

€ 249 216,48

Address

SCHLOSSPLATZ 2
48149 MUENSTER 

Region

Nordrhein-Westfalen > Münster > Münster, 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

€ 249 216,48



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France

Net EU contribution

€ 262 875,60

Address

RUE MICHEL ANGE 3
75794 Paris 

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

Research Organisations

Links

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

Total cost

€ 262 875,60



RIJKSUNIVERSITEIT GRONINGEN

 Netherlands

Net EU contribution

€ 510 748,56

Address

Broerstraat 5
9712CP Groningen 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 510 748,56



JULIUS-MAXIMILIANS-UNIVERSITÄT WÜRZBURG

 Germany

Net EU contribution

€ 498 432,96

Address

SANDERRING 2
97070 Würzburg 

Region

Bayern > Unterfranken > Würzburg, 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

€ 498 432,96



BIOLOGICKE CENTRUM AKADEMIE VID CESKE REPUBLIKY VEREJNA VYZKUMNA INSTITUTE

 Czechia

Net EU contribution

€ 232 422,48

Address

BRANISOVSKA 1160/31

370 05 Ceske Budejovice



Region

Česko > Jihozápad > Jihočeský kraj

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 232 422,48



UNIVERSITY OF HAIFA

 Israel

Net EU contribution

€ 260 300,52

Address

ABBA KHUSHY BLVD MOUNT CARMEL

31905 Haifa



Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost
€ 260 300,52



UNIVERSITAT DE VALENCIA

Spain

Net EU contribution

€ 247 872,96

Address

AVENIDA BLASCO IBANEZ 13

46010 Valencia

Region

Este > Comunitat Valenciana > Valencia/València

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost
€ 247 872,96



UNIVERSITA DEGLI STUDI DI PADOVA

Italy

Net EU contribution

€ 516 122,64

Address

VIA 8 FEBBRAIO 2

35122 Padova

Region

Nord-Est > Veneto > Padova

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 516 122,64



UNIwersytet Jagiellonski

Poland

Net EU contribution

€ 224 137,44

Address

UL GOLEBIA 24

31-007 Krakow

Region

Makroregion południowy > Małopolskie > Miasto Kraków

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 224 137,44



THE HEBREW UNIVERSITY OF JERUSALEM

Israel

Net EU contribution

€ 260 300,52

Address

EDMOND J SAFRA CAMPUS GIVAT RAM

91904 Jerusalem

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost
€ 260 300,52

Partners (3)



PARTNER ⓘ
Oxitec Limited

🇬🇧 United Kingdom
Net EU contribution
€ 0,00

Address
Miton park 71
OX14 4RX Oxford ⓘ

SME ⓘ
Yes

Region
South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Oxfordshire

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



PARTNER ⓘ
CONSIGLIO PER LA RICERCA IN AGRICOLTURA E L'ANALISI DELL'ECONOMIA AGRARIA

🇮🇹 Italy
Net EU contribution

€ 0,00

Address

via della navicella 2-4
00184 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



PARTNER 

BioBee Sde Eliyahu Ltd

 Israel

Net EU contribution

€ 0,00

Address

Sde Eliyahu
10810 Kibbutz Sde Eliyahu 

SME 

Yes

Activity type

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

Links

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

Total cost

No data

Last update: 1 February 2024

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European Union, 2025

