Objective

Antimicrobial resistance is posing a continuously-rising threat to global health. Indeed, one key recommendation from the recent “Action plan against the rising threats from Antimicrobial Resistance” report (submitted by the Commission to the European Parliament and Council (15.11.2011)) is the development of effective antimicrobials or alternatives for treatment of human and animal infections. The
INTEGRATE project is a direct response to this. We have assembled a team of 10 beneficiaries from eight EU member states, encompassing both academic and non-academic sectors and different disciplines, to form a consortium committed to training Early Stage Researchers (ESRs) in the discovery and preclinical validation of novel Gram-negative antibacterial agents and antibacterial targets. The principle aim of the consortium is to provide a training platform where students are exposed to every aspect of the antimicrobial discovery process, ranging from target identification and validation, through organic synthesis, in silico design and compound screening, to mode-of-action and possible resistance mechanisms. This exposure will be accomplished through a concrete secondment plan, coupled with a series of high-level consortium-wide training events and networking programmes. Our intention is to reverse the current fragmentation of approaches towards antibacterial discovery through mutual cooperation. The INTEGRATE training framework is built on an innovative research project aimed at targeting important but non-essential gene products as an effective means of reducing bacterial fitness, thereby facilitating clearance of the pathogen by the host immune system. To achieve this, the individual work programmes have been designed to seamlessly inter-mesh contributions from the fields of in silico design, organic synthesis, molecular biology and biochemistry, and the very latest in vitro and in vivo screening technologies.

**Fields of science**

[medical and health sciences](#) ➔ [basic medicine](#) ➔ [medicinal chemistry](#)

**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-2014-ETN - Marie Skłodowska-Curie Innovative Training Networks (ITN-ETN)](#)

**Call for proposal**

[H2020-MSCA-ITN-2014](#)

[See other projects for this call](#)
Funding Scheme

MSCA-ITN-ETN - European Training Networks

Coordinator

UNIVERSITA DEGLI STUDI DI PARMA
Net EU contribution
€ 516,122,64

Address
Via universita 12
43121 Parma
Italy

Region
Nord-Est > Emilia-Romagna > Parma

Activity type
Higher or Secondary Education Establishments

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

Other funding
€ 0,00

Participants (9)

HELINGIN YLIOPISTO
Finland
Net EU contribution
€ 269,145,36

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Region
Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa
ITA-SUOMEN YLIOPISTO

Finland

Net EU contribution
€ 269 145,36

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Region
Manner-Suomi > Pohjois- ja Itä-Suomi > Pohjois-Savo

Activity type
Higher or Secondary Education Establishments

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

Other funding
€ 0,00

LATVIJAS ORGANISKAS SINTEZES INSTITUTS

Latvia

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€ 223 577,64

Address
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**THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE**

**United Kingdom**

Net EU contribution

€ 273 287,88

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Trinity lane the old schools

CB2 1TN Cambridge

**Region**

East of England > East Anglia > Cambridgeshire CC

Activity type

Higher or Secondary Education Establishments

**Other funding**

€ 0,00

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**UNIVERZA V LJUBLJANI**

**Slovenia**

Net EU contribution

€ 234 997,56

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**Address**
Kongresni trg 12  
1000 Ljubljana

**Region**
Slovenija > Zahodna Slovenija > Osrednjeslovenska

**Activity type**
Higher or Secondary Education Establishments

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

**Other funding**
€ 0,00

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**TAROS CHEMICALS GMBH & CO KG**

**Germany**

**Net EU contribution**
€ 249 216,48

**Address**
Emil-figge-str. 76a  
44227 Dortmund

**SME**
Yes

**Region**
Nordrhein-Westfalen > Arnsberg > Dortmund, Kreisfreie Stadt

**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

**Other funding**
€ 0,00
UNIVERSITEIT ANTWERPEN
Belgium
Net EU contribution
€ 250 560,00
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Region
Vlaams Gewest > Prov. Antwerpen > Arr. Antwerpen
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

APTUIT (VERONA) SRL
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Net EU contribution
€ 258 061,32
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Via alessandro fleming 4
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Nord-Est > Veneto > Verona
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
Other funding
€ 0,00
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV
Germany
Net EU contribution
€ 249 216,48
Address
Hansastrasse 27c
80686 München
Region
Bayern > Oberbayern > München, Kreisfreie Stadt
Activity type
Research Organisations
Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network
Other funding
€ 0,00

Partners (4)

CSC-TIETEEN TIETOTEKNIikan KESKUS OY
Finland
Net EU contribution
€ 0,00
Address
Keilaranta 14
02101 Espoo
Region
Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa
Activity type
Other
PARTNER 1

**Matera, Lda**

Portugal

**Net EU contribution**

€ 0,00

**Address**

Parque tecnologico de cantanhede
3060-197 Cantanhede

**Region**

Continente > Centro (PT) > Região de Coimbra

**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

**Other funding**

€ 0,00

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PARTNER

**Finnish Patent and Registration Office**

Finland

**Net EU contribution**

€ 0,00

**Address**

Arkadiankatu 6 a
00101 Helsinki
Manner-Suomi > Pohjois- ja Itä-Suomi > Etelä-Savo

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

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

Other funding
€ 0,00

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PARTNER

TAMPEREEN KORKEAKOULUSAATIO SR
Finland

Net EU contribution
€ 0,00

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Kalevantie 4
33100 Tampere

Region
Manner-Suomi > Länsi-Suomi > Pirkanmaa

Activity type
Higher or Secondary Education Establishments

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

Other funding
€ 0,00

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