Delivering Better Starting Points for Drug Discovery: New Compound Libraries Driven By Intelligent Design

Scheda informativa

Informazioni relative al progetto

iDESIGN

ID dell’accordo di sovvenzione: 765116

Finanziato da
EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Costo totale
€ 1 565 180,58

Contributo UE
€ 1 565 180,58

Coordinato da
THE UNIVERSITY OF BIRMINGHAM
Regno Unito

Obiettivo

Whilst the need to generate new therapeutics has never been more important, drug discovery is at the same time becoming much more difficult. In short, we need to be more efficient at developing drugs. One way of achieving this is to reduce the attrition rates, which currently blight the drug-discovery process, by populating compound screening libraries with more structurally diverse and higher quality, i.e. designed, molecules to provide better starting points for drug development. Pharma also needs a new type of researcher given an increasing proportion of scientists are now finding employment in smaller companies, where they need to be more flexible, entrepreneurial and business-aware. iDESIGN seeks to address these key
challenges by combining the complementary expertise from both academic and industrial sectors. iDESIGN has the following Principal Objectives: 1) to use the ESRs' individual research projects to develop new, structurally diverse, 'smart' compound libraries for the sector to use in hit-identification screening campaigns; 2) to provide a training programme which will see the ESRs becoming expert synthetic and medicinal chemists, confident research scientists, consummate professionals, effective communicators and innovators with a creative and entrepreneurial spirit. iDESIGN will begin with an academic training phase, during which the ESRs will undertake project-wide training whilst acquiring the synthesis skills to generate bespoke molecular scaffolds, which they will elaborate and validate using in silico and experimental methods. The ESRs will then transfer to one of the industrial partners to take full advantage of their Industrial Supervisors' expertise and the available instrumentation to complete the library-generation aspect of their research projects. All 6 ESRs will return to Birmingham for their final 2 months to allow their Academic Supervisors to oversee directly the final stages of their PhD thesis preparation.

Campo scientifico

scienze mediche e della salute > medicina di base > farmacologia e farmacia > scoperta di farmaci

Programma(i)

H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

H2020-EU.1.3.1. - Fostering new skills by means of excellent initial training of researchers

Argomento(i)

MSCA-ITN-2017 - Innovative Training Networks

Invito a presentare proposte

H2020-MSCA-ITN-2017

Vedi altri progetti per questo bando

Meccanismo di finanziamento

MSCA-ITN-EID - European Industrial Doctorates
Coordinatore

THE UNIVERSITY OF BIRMINGHAM

Contribution nette de l’UE
€ 622 489,06

Indirizzo
Edgbaston
B15 2TT Birmingham
United Kingdom

Tipo di attività
Higher or Secondary Education Establishments

Contributo di paesi terzi
€ 0,00

Contatta l’organizzazione

Partecipanti (2)

ANALYTICON DISCOVERY GMBH

Germania

Contribution nette de l’UE
€ 318 443,28

Indirizzo
Hermannswerder Haus 17
14473 Potsdam

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

Contributo di paesi terzi
€ 0,00

Contatta l’organizzazione

Regione
Brandenburg > Brandenburg > Potsdam

Sito web

Partecipazione a programmi di R&I dell’UE

MERCACHEM BV

Paesi Bassi

Contribution nette de l’UE
€ 624 248,24

Contatta l’organizzazione

Sito web

Partecipazione a programmi di R&I dell’UE
Partner (3)

1. **Parter**

   **Apconix**
   - **Paese**: Regno Unito
   - **Contribuzione netta dell'UE**: € 0,00
   - **Indirizzo**: Alderley Park, Sk10 4TG Alderley
   - **Tipo di attività**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
   - **Regione**: North West (England) > Cheshire > Cheshire East

2. **MERCALEADS BV**

   - **Paesi Bassi**
   - **Contribuzione netta dell'UE**: € 0,00
   - **Indirizzo**: Kerkenbos 1013, 6546 BB Nijmegen
   - **Tipo di attività**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
   - **Region**: Oost-Nederland > Gelderland > Arnhem/Nijmegen
**PARTNER**

**MERCATORIAL BV**

Paesi Bassi

**Contribution nette de l'UE**

€ 0,00

**Indirizzo**

Kerkenbos 1013
6546 BB Nijmegen

**Tipo di attività**

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

**Contributo di paesi terzi**

€ 0,00

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