Impact of Specific Antibiotic Therapies on the prevalence of hUman host ResistaNt bacteria

Scheda informativa

Informazioni relative al progetto

SATURN

ID dell’accordo di sovvenzione: 241796

Stato

Progetto concluso

Data di avvio

1 Gennaio 2010

Data di completamento

31 Dicembre 2014

Finanziato da:

FP7-HEALTH

Bilancio complessivo:

€ 7 821 538,34

Contributo UE

€ 5 999 436

Coordinato da:

UNIVERSITE DE GENEVE

Svizzera

Obiettivo

Many results drawn from previous studies of the effect of antibiotic use on emergence, selection and spread of antimicrobial resistance (AMR) have lacked a holistic view combining all aspects into one study. The SATURN project aims to study the impact of antibiotic exposure on AMR with a multidisciplinary approach that bridges molecular, epidemiological, clinical and pharmacological research. Two types of clinical studies will be conducted: First, a randomized trial will be performed to resolve an issue of high controversy (antibiotic cycling vs. mixing). Second, 3 observational studies will be conducted to rigorously study issues surrounding the effect of antibiotic use on AMR that are not easily assessable through randomized trials. These clinical studies will serve as a platform to 2 complementary workpackages (microbiology & pharmacology) that will perform important investigations relevant to this call. The work package focusing on molecular studies will generate new evidence about the changes effected by antibiotic therapy on commensal organisms or opportunistic pathogens in the oropharyngeal, nasal and gastrointestinal flora and study AMR mechanisms and the dissemination of successful clones of fluoroquinolone-resistant, carbapenem-resistant or extended-spectrum beta-lactamase harboring Gram-negative bacteria, MRSA and fluoroquinolone-resistant viridans streptococci. The purpose of the pharmacodynamic study is to model the relationships between antibiotic exposure and AMR emergence over time for various classes of agents. In summary, the overarching rationale of SATURN is to improve methodological standards and conduct research that will help to better understand the impact of antibiotic use on acquisition, election and transmission of AMR in different environments, by combining analyses of molecular, individual patient-level and ecologic data. The anticipated results may guide clinical and policy decisions to ultimately reduce the burden of AMR in Europe.
Coordinatore

UNIVERSITE DE GENEVE

Indirizzo
Rue Du General Dufour 24
1211 Geneve
Svizzera

Tipo di attività
Higher or Secondary Education Establishments

Contributo UE
€ 684 400

Partecipanti (15)

STICHTING NIJMEEGS INTERCONFESSIONEEL ZIEKENHUIS
CANISIUS WILHELMINA
Paesi Bassi

Indirizzo
Weg Door Jonkerbos 100
6532sz Nijmegen

Tipo di attività
Research Organisations

Contatto amministrativo
Johan Willem Mouton (Dr.)
<table>
<thead>
<tr>
<th>Università/Instituto</th>
<th>Paese</th>
<th>Contributo UE</th>
<th>Indirizzo</th>
<th>Tipo di attività</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSYTET MEDYCZNY W LODZI.</td>
<td>Polonia</td>
<td>€ 178 761,80</td>
<td>Al. Kosciuszki, 4 90419 Lodz</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>THE FOUNDATION FOR MEDICAL RESEARCH INFRASTRUCTURAL DEVELOPMENT AND HEALTH SERVICES NEXT TO THE MEDICAL CENTER TEL AVIV</td>
<td>Israele</td>
<td>€ 922 947</td>
<td>Weizmann Street 6 64239 Tel Aviv</td>
<td>Research Organisations</td>
</tr>
<tr>
<td>UNIVERSITEIT ANTWERPEN</td>
<td>Belgio</td>
<td>€ 1 017 911</td>
<td>Prinsstraat 13 2000 Antwerpen</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>Organizzazione</td>
<td>Exporter</td>
<td>Contributo UE</td>
<td>Indirizzo</td>
<td>Tipo di attività</td>
</tr>
<tr>
<td>----------------</td>
<td>----------</td>
<td>---------------</td>
<td>-----------</td>
<td>------------------</td>
</tr>
<tr>
<td>UNIVERSITA CATTOLICA DEL SACRO CUORE</td>
<td>Italia</td>
<td>€ 592 349,60</td>
<td>Largo Agostino Gemelli 1, 20123 Milano</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>UNIVERSITAIR MEDISCH CENTRUM UTRECHT</td>
<td>Paesi Bassi</td>
<td>€ 806 190</td>
<td>Heidelberglaan 100, 3584 Cx Utrecht</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>ARTTIC</td>
<td>Francia</td>
<td>€ 374 041,30</td>
<td>Rue Du Dessous Des Berges 58a, 75013 Paris</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
</tr>
<tr>
<td><strong>CONSORCI INSTITUT D'INVESTIGACIONS BIOMEDIQUES AUGUST PI I SUNYER</strong></td>
<td><strong>Fondation hopital Saint Joseph</strong></td>
<td><strong>JULIUS-MAXIMILANS-UNIVERSITAT WURZBURG</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spagna</td>
<td>Francia</td>
<td>Germania</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indirizzo</td>
<td>Indirizzo</td>
<td>Indirizzo</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calle Rossello 149 Puerta Bjs 08036 Barcelona</td>
<td>Rue Raymond Losserand 185 75674 Paris</td>
<td>Sanderring 2 97070 Wuerzburg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tipo di attività</td>
<td>Tipo di attività</td>
<td>Tipo di attività</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>Research Organisations</td>
<td>Higher or Secondary Education Establishments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributo UE</td>
<td>€ 267 567,80</td>
<td>€ 212 987</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Contatto amministrativo
Ramon Gomis (Prof.)

Contatto amministrativo
Philippe Fradin (Mr.)

Contatto amministrativo
Christian Gloggengiesser (Mr.)
<table>
<thead>
<tr>
<th>Organizzazione</th>
<th>Paese</th>
<th>Contributo UE</th>
<th>Indirizzo</th>
<th>Tipo di attività</th>
<th>Contatto amministrativo</th>
</tr>
</thead>
</table>
| Clinical Center of Serbia                                                    | Serbia       | € 145 103,30        | Pasterova 2  
11000 Belgrade                                                        | Higher or Secondary Education Establishments | Zivan Maksimovic (Dr.)               |
| INSTITUTE FOR INFECTIOUS DISEASES PROF DR. MATEI BALS                         | Romania      | € 145 975           | Street Dr. C. Grozovici 1  
021105 Bucharest                                                           | Research Organisations                 | Daniela Dumitrascu (Ms.)            |
| STICHTING KATHOLIEKE UNIVERSITEIT                                            | Paesi Bassi  | € 373 549           | Geert Grooteplein Noord 9  
6525 Ez Nijmegen                                                           | Higher or Secondary Education Establishments | Johan Willem Mouton (Dr.)           |
| ASSISTANCE PUBLIQUE HOPITAUX DE PARIS                                        | Francia      | € 235 389,74        | 3 Avenue Victoria  
75000 Paris                                                                | Research Organisations                 | Christophe Misse (Mr.)              |
EBERHARD KARLS UNIVERSITAET TUEBINGEN

Germania

Indirizzo
Geschwister-Scholl-Platz
72074 Tuebingen

Tipo di attività
Higher or Secondary Education Establishments

Sito web
Contatta l'organizzazione

Contatto amministrativo
Evelina Tacconelli (Prof.)

Permalink: https://cordis.europa.eu/project/id/241796/it

© European Union, 2019