Objective

Cancer remains the leading cause of disease-related death in children. For the ~25% of children who experience relapses of their malignant solid tumors, usually after very intensive first-line therapy, curative treatment options are scarce. Preclinical drug testing to identify promising treatment options that match the molecular make-up of the tumor is hampered by the facts that i) molecular genetic data on pediatric solid tumors from relapsed patients and thus our understanding of tumor evolution and therapy resistance are very limited to date and ii) for many of the high-risk entities no appropriate and molecularly well characterized patient-derived models and/or genetic mouse models are currently available. Thus, quality-assured upfront preclinical testing of novel molecularly targeted compounds in a (saturated) repertoire of well-characterized models will establish the basis to increase therapeutic successes of these drugs in children with solid malignancies. Since these
tumors are overall genetically much less complex than their adult counterparts, it is anticipated that it will be easier to identify powerful predictive biomarkers to allow for accurate matching of targets and drugs.

To address this high, as yet unmet clinical need, we have formed the ITCC-P4 consortium consisting of academic and commercial partners from 8 European countries and covering the full spectrum of qualifications needed for quality-assured preclinical drug development including expertise in patient derived models, histopathology, in vivo pharmacology, bioinformatics and data management, centralized testing capabilities, medical expertise regarding the entities in question, regulatory knowledge, and project management of large consortia. With this consortium in a public-private partnership with the participating pharma companies we strongly believe to be ideally positioned to greatly expedite the development of more precise and efficacious drugs for children with malignant solid tumors.

Field of science

/medical and health sciences/clinical medicine/oncology/cancer
/medical and health sciences/basic medicine/pharmacology and pharmacy

Programme(s)

Topic(s)

Call for proposal

H2020-JTI-IMI2-2015-07-two-stage

Funding Scheme

IMI2-RIA - Research and Innovation action

Coordinator

DEUTSCHES KREBSFORSCHUNGSZENTRUM HEIDELBERG

Address

Im Neuenheimer Feld 280
69120 Heidelberg

Activity type

Research Organisations

EU contribution

€ 2 995 864

Website

Contact the organisation
<table>
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<th>Organization</th>
<th>Country</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity Type</th>
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<tr>
<td>The Institute of Cancer Research: Royal Cancer Hospital</td>
<td>United Kingdom</td>
<td>€ 566 750</td>
<td>Old Brompton Road 123, SW7 3RP, London</td>
<td>Higher or Secondary Education Establishments</td>
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<tr>
<td>Innovative Therapies for Children with Cancer Association</td>
<td>France</td>
<td>€ 107 538</td>
<td>Rue Edouard Vaillant 114, 94805 Villejuif</td>
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<td>Institut Gustave Roussy</td>
<td>France</td>
<td>€ 280 912</td>
<td>Rue Camille Desmoulins 39, 94805 Villejuif</td>
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<td>Alleanza Contro il Cancro</td>
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<td>Via Giorgio Ribotta 5, 00144 Roma</td>
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UNIVERSITAT ZURICH
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FUNDACIO SANT JOAN DE DEU
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€ 563 425
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13125 Berlin

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<td>ACADEMISCH MEDISCH CENTRUM BIJ DE UNIVERSITEIT VAN AMSTERDAM</td>
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<td>€ 380 300</td>
<td>Meibergdreef 15, 1105AZ Amsterdam</td>
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<td>ST. ANNA KINDERKREBSFORSCHUNG</td>
<td>Austria</td>
<td>€ 163 285</td>
<td>Zimmermannplatz 10, 1090 Wien</td>
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<td>France</td>
<td>€ 214 038</td>
<td>Rue D’ulm 26, 75231 Paris</td>
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CHARITE - UNIVERSITAETSME dizIN BERLIN

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EU contribution
€ 352 562

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Higher or Secondary Education Establishments

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PRINSES MAXIMA CENTRUM VOOR KINDERONCOLOGIE BV

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Eli Lilly and Company Limited

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