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.

### Fields of science

- medical and health sciences > clinical medicine > **paediatrics**
- medical and health sciences > clinical medicine > **oncology**

### Programme(s)

- **H2020-EU.3.1. - SOCIETAL CHALLENGES - Health, demographic change and well-being**
- **H2020-EU.3.1.7. - Innovative Medicines Initiative 2 (IMI2)**

### Topic(s)

- **IMI2-2015-07-05 - A COMPREHENSIVE ‘PAEDIATRIC PRECLINICAL POC PLATFORM’ TO ENABLE CLINICAL MOLECULE DEVELOPMENT FOR CHILDREN WITH CANCER**

### Call for proposal

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

See other projects for this call

### Funding Scheme
 Coordinator

DEUTSCHES KREBSFORSCHUNGSZENTRUM HEIDELBERG

Net EU contribution
€ 2 700 864,00

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Activity type
Research Organisations

Contact the organisation Website Participation in EU R&I programmes H2020 collaboration network

Non-EU contribution
€ 1 580 067,69

Participants (33)

THE INSTITUTE OF CANCER RESEARCH: ROYAL CANCER HOSPITAL

United Kingdom
Net EU contribution
€ 566 750,00

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Old Brompton Road 123
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Activity type
Higher or Secondary Education Establishments

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INNOVATIVE THERAPIES FOR CHILDREN WITH CANCER ASSOCIATION

France

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€ 107 538,00

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Activity type
Research Organisations

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Participation in EU R&I programmes

H2020 collaboration network

Non-EU contribution
€ 0,00

INSTITUT GUSTAVE ROUSSY

France

Net EU contribution
€ 160 912,00

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Ile-de-France > Ile-de-France > Val-de-Marne

Activity type
Research Organisations

Contact the organisation
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Participation in EU R&I programmes

H2020 collaboration network
Non-EU contribution
€ 0,50

THIRD-PARTY
GUSTAVE ROUSSY TRANSFERT
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Net EU contribution
€ 120 000,00
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Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation
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Non-EU contribution
€ 250 000,00

ALLEANZA CONTRO IL CANCRO
Italy
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€ 27 025,00
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Centro (IT) > Lazio > Roma
Activity type
Other
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Participation in EU R&I programmes
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THIRD-PARTY

FONDAZIONE IRCCS ISTITUTO NAZIONALE DEI TUMORI

Italy

Net EU contribution
€ 26 688,00

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Nord-Ovest > Lombardia > Milano

Activity type
Research Organisations

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H2020 collaboration network

Non-EU contribution
€ 0,00

THIRD-PARTY

OSPEDALE PEDIATRICO BAMBINO GESU

Italy

Net EU contribution
€ 26 688,00

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Activity type
Research Organisations

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H2020 collaboration network

Non-EU contribution
**THIRD-PARTY**

**ISTITUTO ORTOPEDICO RIZZOLI**

- **Italy**
- Net EU contribution: €53,375.00

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Via Di Barbiano 1/10
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**Activity type**
Research Organisations

**Contact the organisation** [Link]
**Website** [Link]
**Participation in EU R&I programmes** [Link]

**H2020 collaboration network** [Link]

**Non-EU contribution**
€0.00

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**UNIVERSITAT ZURICH**

- **Switzerland**
- Net EU contribution: €0.00

**Address**
Ramistrasse 71
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**Region**
Schweiz/Suisse/Svizzera > Zürich > Zürich

**Activity type**
Higher or Secondary Education Establishments

**Contact the organisation** [Link]
**Website** [Link]
**Participation in EU R&I programmes** [Link]

**H2020 collaboration network** [Link]

**Non-EU contribution**
€502,500.00
MEDIZINISCHE UNIVERSITAET WIEN
Austria
Net EU contribution
€ 131 075,00
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Spitalgasse 23
1090 Wien
Activity type
Higher or Secondary Education Establishments
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Non-EU contribution
€ 0,00

FUNDACIO PRIVADA PER A LA RECERCA I LA DOCENCIA SANT JOAN DE DEU
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€ 129 050,00
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Santa Rosa 39-4
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Este > Cataluña > Barcelona
Activity type
Research Organisations
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€ 0,00
EXPERIMENTELLE PHARMAKOLOGIE UND ONKOLOGIE BERLIN-BUCH GMBH

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Net EU contribution
€ 668 425,00

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Robert-roessle-strasse 10
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Yes

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Berlin > Berlin > Berlin

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

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Participation in EU R&I programmes
H2020 collaboration network

Non-EU contribution
€ 500 000,00

ACADEMISCH MEDISCH CENTRUM BIJ DE UNIVERSITEIT VAN AMSTERDAM

Netherlands

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€ 505 300,00

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Activity type
Higher or Secondary Education Establishments

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H2020 collaboration network

Non-EU contribution
€ 0,00
XENTECH SAS

France

Net EU contribution
€ 628 425,00

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Rue Pierre Fontaine 4
91000 Evry

SME
Yes

Region
Ile-de-France > Ile-de-France > Essonne

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

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Website
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H2020 collaboration network

Non-EU contribution
€ 500 000,00

ST ANNA KINDERKREBSFORSCHUNG VEREIN

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Net EU contribution
€ 102 811,37

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Activity type
Research Organisations

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INSTITUT CURIE
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Ile-de-France > Ile-de-France > Paris
Activity type
Research Organisations
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H2020 collaboration network
Non-EU contribution
€ 1 052 743,25

CHARITE - UNIVERSITAETSME dizIN BERLIN
Germany
Net EU contribution
€ 352 562,00
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Chariteplatz 1
10117 Berlin
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Berlin > Berlin > Berlin
Activity type
Higher or Secondary Education Establishments
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PRINSES MAXIMA CENTRUM VOOR KINDERONCOLOGIE BV
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€ 788 000,00
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Activity type
Other
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Participation in EU R&I programmes
H2020 collaboration network
Non-EU contribution
€ 905 100,00

ELI LILLY AND COMPANY LTD
United Kingdom
Net EU contribution
€ 0,00
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South East (England) > Hampshire and Isle of Wight > North Hampshire
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
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H2020 collaboration network
F. HOFFMANN-LA ROCHE AG

Switzerland

Net EU contribution

€ 0,00

Address

Grenzacherstrasse 124
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Schweiz/Suisse/Svizzera > Nordwestschweiz > Basel-Stadt

Activity type

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

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Participation in EU R&I programmes

H2020 collaboration network

Non-EU contribution

€ 807 462,00

PFIZER LIMITED

United Kingdom

Net EU contribution

€ 0,00

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Ramsgate Road
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South East (England) > Kent > East Kent

Activity type

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

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Participation in EU R&I programmes

H2020 collaboration network
Non-EU contribution
€ 791 055,00

BAYER AKTIENGESELLSCHAFT
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€ 0,00
Address
Kaiser-wilhelm-allee 1
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Nordrhein-Westfalen > Köln > Leverkusen, Kreisfreie Stadt
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
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H2020 collaboration network
Non-EU contribution
€ 1 300 000,00

PHARMAMAR, S.A.
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€ 0,00
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Avda. De Los Reyes, Poligono Industrial La Mina 1
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Comunidad de Madrid > Comunidad de Madrid > Madrid
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
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CHARLES RIVER DISCOVERY RESEARCH SERVICES GERMANY GMBH

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Baden-Württemberg > Freiburg > Freiburg im Breisgau, Stadtkreis

Activity type
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Contact the organisation
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H2020 collaboration network

Non-EU contribution
€ 1 262 800,00

JANSSEN PHARMACEUTICA NV

Belgium

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€ 0,00

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Activity type
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**MARTIN-LUTHER-UNIVERSITAET HALLE-WITTENBERG**

- **Germany**
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**Activity type**

- Higher or Secondary Education Establishments

**Contact the organisation**

**Website**

**Participation in EU R&I programmes**

**H2020 collaboration network**

**Non-EU contribution**: € 42 450,00

---

**UNIVERSITY OF NEWCASTLE UPON TYNE**

- **United Kingdom**
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**Activity type**

- Higher or Secondary Education Establishments

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**Participation in EU R&I programmes**

**H2020 collaboration network**

**Non-EU contribution**: € 121 500,00
ASTRAZENECA AB

Sweden
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Östra Sverige > Stockholm > Stockholms län

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

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H2020 collaboration network

Non-EU contribution
€ 20 000,00

UNIVERSITAET ULM

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Non-EU contribution
€ 42 450,00

AMGEN
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Non-EU contribution
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INSTITUT DE RECHERCHES SERVIER
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Participation in EU R&I programmes
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Non-EU contribution
SANOFI-AVENTIS RECHERCHE & DEVELOPPEMENT

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Participation in EU R&I programmes

H2020 collaboration network

Non-EU contribution
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ST. ANNA KINDERKREBSFORSCHUNG GMBH

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Participation in EU R&I programmes

H2020 collaboration network