Predicting Effective Adaptation to Breast Cancer to Help Women to BOUNCE Back

Fact Sheet

<table>
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<th>Project Information</th>
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<td><strong>BOUNCE</strong></td>
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<tr>
<td>Grant agreement ID: 777167</td>
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<td>SOCIETAL CHALLENGES - Health, demographic change and well-being</td>
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<th>Total cost</th>
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<td>€ 4 999 410</td>
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<th>EU contribution</th>
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<td>€ 4 999 410</td>
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<td>HELSINGIN JA UUDENMAAN SAIRAANHOITOPIIRIN KUNTAYHTYMÄ</td>
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<td>Finland</td>
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This project is featured in...

RESEARCH*EU MAGAZINE
Innovative EU research targets breast cancer

NO. 106, OCTOBER 2021
Objective

Coping with breast cancer more and more becomes a major socio-economic challenge not least due to its constantly increasing incidence in the developing world. There is a growing need for novel strategies to improve understanding and capacity to predict resilience of women to the variety of stressful experiences and practical challenges related to breast cancer. This is a necessary step toward efficient recovery through personalized interventions. BOUNCE will bring together modeling, medical, and social sciences experts to advance current knowledge on the dynamic nature of resilience as it relates to efficient recovery from breast cancer. BOUNCE will take into consideration clinical, cancer-related biological, lifestyle, and psychosocial parameters in order to predict individual resilience trajectories throughout the cancer continuum and eventually increase resilience in breast cancer survivors and help them remain in the workforce and enjoy a better quality of life. BOUNCE will deliver a unified clinical model of modifiable factors associated with optimal disease outcomes and will deploy a prospective multi-center clinical pilot at four major oncology centers (in Italy, Finland, Israel and Portugal), where a total of 660 women will be recruited in order to assess its clinical validity against crucial patient outcomes (illness progression, wellbeing, and functionality). The advanced computational tools to be employed will validate indices of patients’ capacity to bounce back during the highly stressful treatment and recovery period following diagnosis of breast cancer. The overreaching goal of BOUNCE is to incorporate elements of a dynamic, predictive model of patient outcomes in building a decision-support system used in routine clinical practice to provide physicians and other health professionals with concrete, personalized recommendations regarding optimal psychosocial support strategies.

Fields of science

medical and health sciences › clinical medicine › oncology › breast cancer

Programme(s)

H2020-EU.3.1. - SOCIETAL CHALLENGES - Health, demographic change and well-being

H2020-EU.3.1.5. - Methods and data

Topic(s)

SC1-PM-17-2017 - Personalised computer models and in-silico systems for well-being
Call for proposal

H2020-SC1-2016-2017

See other projects for this call

Sub call

H2020-SC1-2017-CNECT-2

Funding Scheme

RIA - Research and Innovation action

Coordinator

HELINGIN JA UUDENMAAN SAIRAANHOITOPIIRIN KUNTAYHTYMÄ

Net EU contribution

€ 795 625,00

Address

Stenbackinkatu 9
00029 Helsinki

Finland

Contact the organisation

Region

Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type

Research Organisations

Non-EU contribution

€ 0,00

Website

Participation in EU R&I programmes

Participants (8)

IDRYMA TECHNOLOGIAS KAI EREVNAS

Greece

Net EU contribution

€ 726 875,00

Address

N Plastira Str 100

Activity type

Research Organisations

Non-EU contribution

€ 0,00
ISTITUTO EUROPEO DI ONCOLOGIA SRL

Italy

Net EU contribution
€ 375 600,00

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

Non-EU contribution
€ 0,00

Contact the organisation

Region
Nord-Ovest > Lombardia > Milano

INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS

Greece

Net EU contribution
€ 487 500,00

Activity type
Research Organisations

Non-EU contribution
€ 0,00

Contact the organisation

Region
Κεντρικός Τομέας Αθηνών > Αττική > Αττική

Participation in EU R&I programmes
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<td>THE HEBREW UNIVERSITY OF JERUSALEM</td>
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<td>SINGULARLOGIC ANONYMI ETAIREIA PLIROFORIAKON SYSTIMATON KAI EFARMOGONPLIROFORIKIS</td>
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FUNDACAO D. ANNA DE SOMMER CHAMPALIMAUD E DR. CARLOS MONTEZ
CHAMPALIMAUD

Portugal

Net EU contribution € 497 000,00

Address

Avenida Brasilia, Centro De Investigacao Da Fundacao Champalimaud
1400-038 Lisboa

Activity type
Research Organisations

Non-EU contribution € 0,00

Contact the organisation

Region

Continente > Área Metropolitana de Lisboa

Website

Participation in EU R&I programmes

VARIAN MEDICAL SYSTEMS FINLAND OY

Finland

Net EU contribution € 364 250,00

SME Yes

Address

Paciuksenkatu 21
00270 Helsinki

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

Non-EU contribution € 0,00

Contact the organisation

Region

Continente > Área Metropolitana de Lisboa

Website

Participation in EU R&I programmes