## **The Joint Action on Personalized Cancer Medicine**

### **Stefania BOCCIA**

Section of Hygiene, University Department of Life Sciences and Public Health Università Cattolica del Sacro Cuore

Department of Woman and Child Health and Public Health, Fondazione Policlinico Universitario A. Gemelli IRCCS





### **OBJECTIVES, SCOPE AND ACTIVITIES**

. . . .

This action should cover the ambition of the sixth flagship of the Europe's Beating Cancer Plan: 'Cancer diagnostic and treatment for all' initiative and will build on the results of other EU4Health Programme funded projects: the project Personalised Cancer Medicine for all Union citizens (PCM4EU)50, the EU Cancer and Public Health Genomics platform project (CAN.HEAL), as well as the project for improved diagnostics and survival for all children with Acute Myeloid Leukaemia treated within the NOPHO-DB- SHIP consortium, which is a cross-European collaboration (CHIP-AML22).

Projects and major initiatives on personalised medicine, such as the International Consortium for Personalised Medicine (ICPerMed), the 1+ Million Genomes Initiative, a European-wide foundation to accelerate Data-driven Cancer Research (EOSC4Cancer), and the European Partnership for Personalised Medicine (a Europe's Beating Cancer Plan action) should also be considered.



Brussels, 5.12.2023 C(2023) 8524 final ANNEX 1

ANNEX

to the

**Commission Implementing Decision** 

on the financing of the Programme for the Union's action in the field of health ('EU4Health Programme') and the adoption of the work programme for 2024

The activities carried out in this joint action should include at least:

- a) extending the PCM access to already existing infrastructures, including in associated countries;
- b) improving the access to PCM to Member States that have limited resources e.g., Eastern European countries;
- c) linking the PCM to the European Reference Networks- strengthening the structure needed for the implementation of PCM as a part of the healthcare system;
- d) facilitating cross-border access to genomic testing and PCM, as there is a clear need for cross-border access to promising PCM treatments for patients who would be in the condition to travel;
- e) developing and promoting guidance for metastatic cancer patients using best practices in healthcare; (this should include the development of national guidance, protocols and tools for optimisation of personalised cancer medicine, including for metastatic cancer, that will be consistent with Union legislation, recommendations and guidelines. These will be developed after reviewing the results of other similar projects under the EU4Health and/or Horizon Europe programmes);
- f) upscaling of the EU Cancer and Public Health Genomics Platform in alignment with the European Genomic Data Infrastructure<sup>57</sup>;
- g) providing specific education and training for health professionals to advance the implementation of genetic testing and personalised medicine in oncology by using the models for training and educational interventions on oncogenomic and personalised cancer medicine, including for metastatic cancer;
- h) establishing strategies for the implementation of telegenetics and remote genetic counselling in Europe to personalise public healthcare;
- improving the collaboration between different institutions/organisations from national, European and international level that are offering personalised cancer medicine e.g., the European Medicine Agency, Horizon Europe co-funded projects on personalised cancer medicine;
- setting up information and dissemination campaigns of recommendations, guidance, protocols and tools for personalised cancer medicine among the concerned hospitals and medical centres in all Member States;
- k) setting up information campaigns for citizens about the benefits and challenges of targeted cancer prevention genetic testing and potential data re-use.

#### INDICATIVE TIMETABLE, BUDGET, IMPLEMENTATION AND PROCEDURE TYPE

Call topic/sub-topic	Indicative call publication	Indicative Budget
Direct grants – CR-g-24-41	Q4/2024	EUR 27 900 000
Procedure type	Implemented by	Type of applicants targeted
Direct grant to Member States (joint action) in accordance with Article 195, paragraph 1, point (c), of Regulation (EU, Euratom) 2018/1046	HaDEA	Member States' authorities

## **Public Health Genomics**



" the responsible and effective translation of genome-based knowledge and technologies for the benefit of population health"

(Bellagio, Italy, 2005)



# The story of the Joint Actions where Public Health Genomics is present

## **Policy Paper** on Public Health Genomics in Cancer

M. Van den Bulcke, S. Boccia, A. De Censi, L. Decoster, A. Federici, F. Nowak, O. Kholmanskikh, M. Peeters, C. Rolfo, R. Salgado, R. Schmützler and J. Vermeesch



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Co-funded by the Health Programme of the European Union

## The iPAAC JA

novative portate avanti dalla JA saranno valutate sulla base

della loro sostenibilità e integrazione nelle politiche nazio-

nali. La JA si focalizzerà quindi prioritariamente sull'implementazione, come testimoniato dal suo prodotto principale,

ovvero la Roadmap per l'Implementazione e la Sostenibilità

delle Azioni per il Controllo del Cancro, che sosterrà i Pae-

si Membri nell'implementazione delle raccomandazioni di

iPAAC e della precedente JA sul cancro, CANCON.

Joint Action Europea iPAAC - Innovative Partnership for Action Against Cancer

La Joint Action Europea iPAAC riunisce 44 partner, tra autorità competenti ed enti affiliati, provenienti da 24 paesi Europei ed è coordinata dall'Istituto Nazionale di Sanità Pubblica Sloveno (NIJZ).

### Obiettivi

L'obiettivo generale della JA iPAAC è sviluppare approcci innovativi per progredire nel controllo del cancro. Gli approcci innovativi oggetto della JA comprendono gli avanzamenti nell'ambito della **prevenzione**, gli approcci globali per l'uso della **genomica** nel controllo del cancro, la valorizzazione dei **sistemi informativi** e dei **registri di tumore**, il **miglioramento delle cure** con un focus sulle maggiori sfide, l'anticipazione delle prossime sfide in tema di **terapie innovative** e di **governo del controllo integrato** del cancro, compresa una nuova analisi dei piani oncologici nazionali.

A chi si rivolge iPAAC si rivolge principalmente ai decisori politici Europei e nazionali, sia di livello regionale che locale. Tutte le azioni in-

olarmente rilevanti per i legislatori.

i di iPAAC

nto della prevenzione oncologica attraverso l'ulteriore tuali raccomandazioni per lo screening oncologico e tazione delle nuove potenzialità esistenti tramite un'abenefici dei programmi organizzati su base di poposarà sulle diseguaglianze, sull'ulteriore rafforzamento ne del Codice Europeo contro il Cancro, e sulla valuressivi avanzamenti nel controllo del cancro introdotti

tanti aspetti del controllo oncologico, con un'attenzio-

fficacia nella gestione dei tumori negletti attraverso lo atori chiave per la v...alutazione dei percorsi di cura dei ativi costi sanitari, con un focus particulare sui tumori

'introduzione delle immunoterapie Nella pratica clinica atazione complessiva delle principali sfide implicate. **5.** Valutazione delle cure in Europa attraverso l'analisi di indicatori di qualità.

**D.** Supporto ai legislatori coinvolti nella Governance, attraverso studi di fattibilità delle reti oncologiche integrate (CCCN) e un'analisi aggiornata dei piani oncologici nazionali nell'Unione Europea.

**7.** Potenziamento dei sistemi informativi su base di popolazione. Studi pilota sull'integrazione dei registri con dati elettronici da fonti amministrative e sanitarie per una migliore valutazione della qualità delle cure, dei costi e degli esiti oncologici. Promozione dell'uso di indicatori informativi sulla prevalenza oncologica a livello Europeo.



La Joint Action iPAAC ha ricevuto un finanziamento dall'Unione Europea attraverso il Terzo Programma Salute (2014 - 2020). LA JA ha ufficialmente avuto inizio il 1° Aprile 2018 ed ha una durata di 3 anni. Maggiori informazioni sono disponibili visitando il sito ufficiale (www.ipaac.eu) o contattando direttamente il gruppo di Coordinamento (ipaac.Oniz.s.).



#### DISTANCE TRAINING ON ONCOGENOMICS FOR HEALTH PROFESSIONALS

8<sup>TH</sup> APRIL 2021 - 13<sup>TH</sup> DECEMBER 2021

ORGANISED BY ISTITUTO SUPERIORE DI SANITÀ - ISS IN COLLABORATION WITH UNIVERSITÀ CATTOLICA DEL SACRO CUORE

Distance training on Oncogenomics addressed to *physicians* and *biologists* developed within the framework of the *Innovative Partnership for Action Against Cancer* (**iPAAC**) Joint Action, an initiative co-financed by the European Commission involving 24 European countries. The *core curriculum* of competencies was identified by an international panel of experts through a *Delphi* consensus process. Developing and piloting e-learning tools on Oncogenomics for health professionals is part of the iPAAC Work Package 6 activities.

#### **GENERAL SCOPE AND LEARNING OBJECTIVES**

The course aims at improving knowledge, attitude, and practice of physicians and biologists on the fundamental principles of genetics and on the main clinical applications of current genomic technologies in oncology. The learning method, inspired by the Problem-Based Learning (PBL) approach, encourages participants to identify their learning goals by analysing a problem linked to their professional setting. Teachers' tutorials (video lessons), reading and learning materials guide participants to solve the problem. The estimated course duration is 16 hours. The course is held in English and is delivered through the platform www.eduiss.it.

#### FACULTY

Paola GHIORZO, University of Genova and IRCCS Ospedale Policlinico San Martino, Genova, IT Maurizio GENUARDI, Institute of Genomic Medicine, Catholic University of the Sacred Hearth, Roma, IT Giuseppe NOVELLI, Department of Biomedicine and Prevention, University of Rome Tor Vergata, Roma, IT





ATTOLICA

el Sacro Cuore



with the Italian accreditation system for Continuing Medical Education (*CME*). Foreign attendees will earn a *Certificate* reporting CME credits and training hours, which can be recognised by the accreditation system of their countries.

Participants are requested to complete a pre-training test to assess the initial knowledge and a post-training test to assess the skills improved after training. Those who claim CME credits are also requested to fill in a CME Quality Assessment questionnaire.

#### REGISTRATION (8 APR-7 DEC 2021)

Italian applicants should register at: https://www.eduiss.it

Non Italian applicants will receive credentials to access the platform and instructions by email, after registration at: https://www.eduiss.it/local/mtsignup/signup.php.

#### Scientific Coordination

Roberta DE ANGELIS, Dept. Oncology and Molecular Medicine, Istituto Superiore di Sanità, Roma, IT Alfonso MAZZACCARA, Training Service, Istituto Superiore di Sanità, Roma, IT

Stefania BOCCIA, Institute of Public Health, Catholic University of the Sacred Hearth, Roma, IT

#### Scientific Secretariat

Simone MARTINELLI, Emilia STELLACCI, Dept. Oncology and Molecular Medicine, Istituto Superiore di Sanità, Roma, IT Arcangela DE NICOLO, Cancer Genetics Program, Veneto Institute of Oncology IRCCS, Padova, IT

ScientSecretariat.Oncogenomics@iss.it

#### Scientific Secretariat, e-learning methods

Donatella BARBINA, Debora GUERRERA, Pietro CARBONE, Alessandra DI PUCCHIO, Training Service, Istituto Superiore di Sanità, Roma, IT

### iPAAC // INNOVATIVE PARTNERSHIP // FOR ACTION AGAINST CANCER

ABOUT CALENDAR NEWS PARTNERS WORK PACKAGES OUTCOMES MEDIA CONTACT

### Work Package 6 – Genomics in Cancer Control and Care

WP leader: Scientific Institute of Public Health, Belgium (Marc Van den Bulcke)

#### Home > Journal of Cancer Education > Article

Core Competencies in Cancer Genomics for Healthcare Professionals: Results From a Systematic Literature Review and a Delphi Process

Published: 13 January 2021

Volume 37, pages 1332–1342, (2022) Cite this article

#### Article

A Web Screening on Training Initiatives in Cancer Genomics for Healthcare Professionals

Ilda Hoxhaj <sup>1,†</sup><sup>1,†</sup>, Flavia Beccia <sup>2,†</sup>, Giovanna Elisa Calabrò <sup>2,\*</sup> and Stefania Boccia <sup>1,2</sup>



### v Direct to Consumer Genetic Testing (DTC-GT)- in WP6

#### European Journal of Medical Genetics 63 (2020) 103841



### A review of the legislation of direct-to-consumer genetic testing in EU member states



Ilda Hoxhaj<sup>a,\*,1</sup>, Jovana Stojanovic<sup>a,b,c,1</sup>, Michele Sassano<sup>a</sup>, Anna Acampora<sup>a</sup>, Stefania Boccia<sup>a,d</sup>

<sup>a</sup> Sezione di Igiene, Istituto di Sanità Pubblica, Università Cattolica del Sacro Cuore, Roma, Italy <sup>b</sup>Department of Health, Kinesiology, and Applied Physiology (HKAP), Concordia University, 7141 Sherbrooke St. West, Montreal, Quebec, 14B IR6, Canada <sup>c</sup> Montreal Behaviarual Medicine Centre, CIUSSS du Nord-de-IÎle-de-Montreal, 5400, Boul. Gouin Ouest, Montréal, Québec, 14J IC5, Canada <sup>d</sup> Department of Woman and Child Health and Public Health - Public Health Area, Fondazione Poiclanico Universitario A. Genedli IRCCS, Roma, Italy

European Journal of Public Health, Vol. 33, No. 5, 947–953 © The Author(s) 2020. Published by Oxford University Press on behalf of the European Public Health Association. All rights reserved. doi:10.1093/eurpub/ckz246 Advance Access published on 3 May 2020

### **Systematic Review and Meta-Analyses**

European citizens' perspectives on direct-to-consumer genetic testing: an updated systematic review

Ilda Hoxhaj 💿 <sup>1</sup>, Jovana Stojanovic<sup>1,2,3</sup>, Stefania Boccia<sup>1,4</sup>

European Journal of Public Health, Vol. 33, No. 1, 139–145 © The Author(s) 2022. Published by Oxford University Press on behalf of the European Public Health Association. This is an Open Access article distributed under the terms of the Creative Commons Attribution License (https://creativecommons.org/licenses/by/4.0/), which permits unrestricted reuse, distribution, and reproduction in any medium, provided the original work is properly cited. https://doi.org/10.1093/eurpub/ckac139 Advance Access published on 30 September 2022

palate

#### Test your DNA to

optimize your nutrition. Discover the best foods for your genes to eat healthier in 2020.

#### Survey of Professionals of the European Public Health Association (EUPHA) towards Direct-to-Consumer Genetic Testing

Flavia Beccia ()<sup>1,\*</sup>, Ilda Hoxhaj<sup>1,2,\*</sup>, Michele Sassano<sup>1,3</sup>, Jovana Stojanovic<sup>1,4,5</sup>, Anna Acampora<sup>1,6</sup>, Roberta Pastorino<sup>1,7</sup>, Stefania Boccia<sup>1,7</sup>

#### Work Package 6 - Genomics in Cancer Control and Care

ABOUT CALENDAR NEWS PARTNERS WORK PACKAGES OUTCOMES

WP leader: Scientific Institute of Public Health, Belgium (Marc Van den Bulcke)

#### Direct-to-Consumer Genetic Tests

PAAC

Stefania Boccia



STATUS	
PROBLEM & OBJECTIVE Genetic determinants of multifactorial diseases could be exploited to predict risks in patients/citizens. The increasing availability of DTC-GT is nerrored to the increasing use of them. This could lead to erroneous interpretation of risk, unnecessary worries and clinical investigations based on the test. Eventually, DTC- GT could cause an excessive burden on healthcare systems, wasting scarce resources	<ul> <li>KEY COMPONENTS / STEPS</li> <li>Direct-to-consumer genetic tests (DTC-GTs) are genetic tests for a medical or non-medical trait that are sold directly to the public, usually ordered without the engagement of a healthcare professional.</li> <li>The introduction of DTC-GT could be dated back to 2003 in USA and in about a decade, DTC-GT spread across continents.</li> <li>Scientists, professional societies and others have expressed varying views about what and how to regulate with regard to DTC-GT.</li> <li>In 2008, they were named "retail product of the year", thanks to the progressive empowerment of ditzens and the wide range of applications of personalized medicine, the collapsing costs of required technologies and the shortening of time for each test.</li> <li>In 2013 FDA sent a "cease and desist" letter preventing 23andMe, a major company of DTC-GT to sell test concerning medical aspects.</li> <li>In 2015, FDA authorized the first medical application of DTC-GT for Bloom Syndrome, and DTC-GTs for common conditions, like Parkinson and Alzheimer and breast cancer, were authorized in the following years.</li> <li>The European Society of Human Genetics (ESHG) set a statement identifying the needs for evidence about dirical and analytical validity, utilities, medical supervision.</li> </ul>
OBJECTIVE To provide the landscape of DTC- GT in EU, considering citizens' literacy, healthcare professionals' lonowledde and legislative frameworks about DTC-GT, is fundemental to face the emerging challenge for national healthcare system	KEY CONTEXTUAL FACTORS           The rise of DTC-GT exemplifies some of the wider changes affecting healthcare and public health:           growth of a globalized industry;           less public deference to traditional, physician-led, professional forms of authority;           familiarity with the internet; an increasing desire by the individual to have information;           Various pressures to exercise personal choice and responsibility.           A clear uniform regulation of the DTC-GT provision is still lacking. The actual legislative and ethical framework covered aspects about genetic testing in traditional healthcare, but were quite ineffective on global online market.
REFERENCES & DOCUMENTATION A review of the legislation of direct- to-consumer genetic testing in EU member states - PubMed (nih.gov) Europan of titzend' perspectives on direct-to-consumer genetic testing: an updated systematic review - PubMed (nih.gov) Internet-Based Direct-to-Consumer Denetic Testing: A Systematic Review - PubMed (nih.gov) Statement of the ESH0 on direct-to- consumer genetic testing for health- related purposes - PubMed (nih.gov)	<ul> <li>MAIN IMPACTS / ADDED VALUE         <ul> <li>Several doubts on clinical utility and validity of DTC-GT expressed, but the market is steadily growing</li> <li>EU directive 2005/29 on Unfair Commercial Practices and EU directive 98/79 on in vitro diagnostic medical devices regulated provision of medical devices in European countries.</li> <li>The Convention on Human Rights and Biomedicine and its additional protocol on genetic testing is the international instrument to set a basic framework to regulate DTC-GT</li> <li>Several European agencies/societies (EASAC, FEAM, ESHG) released position papers</li> <li>The implementation of genomics in clinical practice is planned in National Plans. Several Member States have more stringent legislation on DTC-GT services.</li> </ul> </li> <li>LESSONS LEARNED         <ul> <li>Legislative framework is fragmented, it is necessary to adopt international guidelines, standards and codes of practice based on greater transparency of information provision</li> <li>It is critically important to address common public misconceptions about what genetic tests can offer in terms of medically relevant information os as to inform and empower the consumer to decide for themselves when faced with offers of DTC-GT</li> <li>It is vitial for Europe to do better in educating medical and other health professionals about genetics, for example to improve the confidence of primary care physicians to interpretand explain</li> </ul> </li> </ul>

 European citizens, overall, have a low level of knowledge on DTC-GTs and a high interest in their purchase. This understanding might contribute to the development of educational programs in order to the interest of accent public accentification accentific health devices.



## <u>26 Paesi hanno firmato la 1+MG</u> <u>Declaration</u> ("Towards access to at least 1 million sequenced genomes in the EU by 2022") dal 2018

Gli Stati Membri firmatari si impegnano a collaborare sull'accesso sicuro ed autorizzato alle banche nazionali e regionali di dati genomici ed altri dati rilevanti per la salute.

La dichiarazione prevede in particolare di:

- Unire infrastrutture ed expertise frammentate supportando un obiettivo condiviso e tangibile: un milione di genomi accessibili nella EU entro il 2022;
- Sfruttare e massimizzare gli interventi già effettuati dagli Stati Membri a livello nazionale e della EU, in particolare nel sequenziamento, nelle biobanche e nelle infrastrutture di dati;
- Raggiungere una coorte più ampia che fornirà una scala sufficiente per nuove ricerche clinicamente rilevanti.

Austria Belgium Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland Germany Greece Hungary Italy Latvia Lithuania Luxembourg Malta Netherlands Norway Portugal Slovenia Spain Sweden UK

### **CAN.HEAL:** Building the EU Cancer and Public Health Genomics platform

The CAN.HEAL consortium recognises that **prevention**, **diagnosis and treatment** should be approached in a concerted way for optimal benefit of patients and citizens.

It focuses on applying **PRS and NGS technologies** and identifying implementation paths to extend the application of genetic profiling to:

structure omics use in patient care;

share data among EU Cancer Centres which would improve equity in treatment, and allow better counselling regarding cancer risk using molecular tumour profiling biomarkers.

CAN.HEAL wishes to set the framework for integrating the Genome of Europe biobanking initiative into public health genomics for cancer.



This project is funded by the European Commission EU4Health Programme 2021-2027 under Grant N° 101080009



### **CAN.HEAL:** Building the EU Cancer and Public Health Genomics platform

(Work Plan)





WP2

WP5

Tools

### **CAN.HEAL:** Building the EU Cancer and Public Health Genomics platform

Within CAN.HEAL UCSC leads the "WP14 – Healthcare system implementation".

The objective of the WP is the **production of recommendations for the effective and sustainable implementation of personalized medicine in the oncology field**. In order to create practical recommendation set in a specific context, we decided to focus on three fundamental technologies, also considering the issues addressed by the other WPs:

- Use of the *Polygenic Risk Score (PRS)* in breast cancer screening (GRADE EtD Recommendations)
- Use of Liquid biopsy (LB) in the management of patients with advanced colorectal cancer (GRADE EtD Recommendations)
- Role of the Molecular Tumor Board (MTB) in the modern management of cancer patients (Consensus Policy Brief)





## La medicina personalizzata in Europa



- 1 Section of Hygiene, University Department of Life Sciences and Public Health, Università Cattolica del Sacro Cuore, Rome, Italy
- 2 Steinbeis Europa Zentrum (SEZ), Stuttgart, Germany
- 3 Department of Woman and Child Health and Public Health, Fondazione Policlinico Universitario A. Gemelli IRCCS, Rome, Italy

## Il consorzio ICPerMed

Lanciato nel 2016 (fino al 2023) **più di 40 partner** europei e internazionali

 organizzazioni pubbliche e private senza scopo di lucro che finanziano la ricerca sanitaria, in rappresentanza di ministeri, agenzie di finanziamento e della Commissione europea

### Obiettivi:

- Stabilire una leadership globale nella ricerca sulla medicina personalizzata;
- Coordinare l'approccio alla ricerca;
- Indagare sui potenziali benefici degli approcci alla medicina
   personalizzata per i cittadini e i sistemi sanitari

ICPerMed ha sviluppato una *vision* di come l'uso degli approcci di medicina personalizzata promuoverà la "**medicina di prossima generazione**" nel **2030**.

### ICPerMed Vision 2030

<u>Perspective 1</u>: Informed, empowered, engaged, and responsible citizens <u>Perspective 2</u>: Informed, empowered, engaged, and responsible health providers <u>Perspective 3</u>: Healthcare systems that enable personally tailored health promotion, prevention, diagnosis, and treatment for the benefit of citizens and patients <u>Perspective 4</u>: Availability and optimal use of health-related information for optimised treatment, care, prevention, and research Perspective 5: Economic value by establishing the next generation of medicine





## Da ICPerMed alla nuova strategia europea



## ICPerMed ha pubblicato la SRIA e lanciato la European Partnership for Personalised Medicine (EP PerMed)

## The Strategic Research & Innovation Agenda (SRIA) for Personalised Medicine (PM)



## Investment in the future: EP PerMed 2023-33 Strategic Research & Innovation Agenda



The activities carried out in this joint action should include at least:

- a) extending the PCM access to already existing infrastructures, including in associated countries;
- b) improving the access to PCM to Member States that have limited resources e.g., Eastern European countries;
- c) linking the PCM to the European Reference Networks- strengthening the structure needed for the implementation of PCM as a part of the healthcare system;
- d) facilitating cross-border access to genomic testing and PCM, as there is a clear need for cross-border access to promising PCM treatments for patients who would be in the condition to travel;
- e) developing and promoting guidance for metastatic cancer patients using best practices in healthcare; (this should include the development of national guidance, protocols and tools for optimisation of personalised cancer medicine, including for metastatic cancer, that will be consistent with Union legislation, recommendations and guidelines. These will be developed after reviewing the results of other similar projects under the EU4Health and/or Horizon Europe programmes);
- f) upscaling of the EU Cancer and Public Health Genomics Platform in alignment with the European Genomic Data Infrastructure<sup>57</sup>.
- g) providing specific education and training for health professionals to advance the implementation of genetic testing and personalised medicine in oncology by using the models for training and educational interventions on oncogenomic and personalised cancer medicine, including for metastatic cancer;
- h) establishing strategies for the implementation of telegenetics and remote genetic counselling in Europe to personalise public healthcare;
- i) improving the collaboration between different institutions/organisations from national, European and international level that are offering personalised cancer medicine e.g., the European Medicine Agency, Horizon Europe co-funded projects on personalised cancer medicine;
- setting up information and dissemination campaigns of recommendations, guidance, protocols and tools for personalised cancer medicine among the concerned hospitals and medical centres in all Member States;
- k) setting up information campaigns for citizens about the benefits and challenges of targeted cancer prevention genetic testing and potential data re-use.

### Focus on training and education for HP and information for citizens

INDICATIVE TIMETABLE, BUDGET, IMPLEMENTATION AND PROCEDURE TYPE

Call topic/sub-topic	Indicative call publication	Indicative Budget
Direct grants – CR-g-24-41	Q4/2024	EUR 27 900 000
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### **ISTITUTO SUPERIORE DI SANITA'**

# WP 13 Education and Training



## can.heal

### Building the EU Cancer and Public Health Genomics platform

**ROBERTA DE ANGELIS** 



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or HaDEA. Neither the European Union nor the granting authority can be held responsible for them.

## **WP 13 Education and Training**

### Task 13.1 Basic e-learning on oncogenomics for health professionals

Leader – ISS (IT) National Institute of Health (Istituto Superiore di Sanità)

### **Task 13.2**

## Advanced e-learning addressed to health professionals

Leader – CERTH (GR) Center for Research and Technology Hellas

### **Task 13.3**

### Training and literacy activities for patients and general public

Co-Leaders –

ELLOK (GR) Hellenic Cancer Federation

INSA (PT) National Institute of Health (Instituto Nacional de Saude Doutor Ricardo Jorge)

# PROGRESS RESULTS

## Basic e-learnings for HPs

Can.Heal e-learning course on Oncogenomics **went online on 15th Feb 2024** and is available to italian health professionals on the EDUISS e-learning platform

The course was accredited for 16 hours credits by the Italian CME provider (Agenas)

Participation is free of charge



ISTITUTO SUPERIORE DI SANIT

eduiss.it/course/index.php?categoryid=51

Catalogo formativo Help 🗸

# Task 1 **National Pilot**





## Basic e-learnings on Oncogenomics for

## Health Professionals – international pilots



## Task 2 Advanced training pathways for MTB

## professionals

CERTH





EVVHNIKH

## **Task 3 Patients and citizens**







- Conduct focus groups with:
- 1. patients
- 2. general public
- 3. communication experts
- 4. oncogenomics experts and HP



