



EP PerMed

European Partnership
for **Personalised Medicine**

EP PerMed

Fast Track Call

21 January 2025



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European Partnership
for **Personalised Medicine**

Agenda

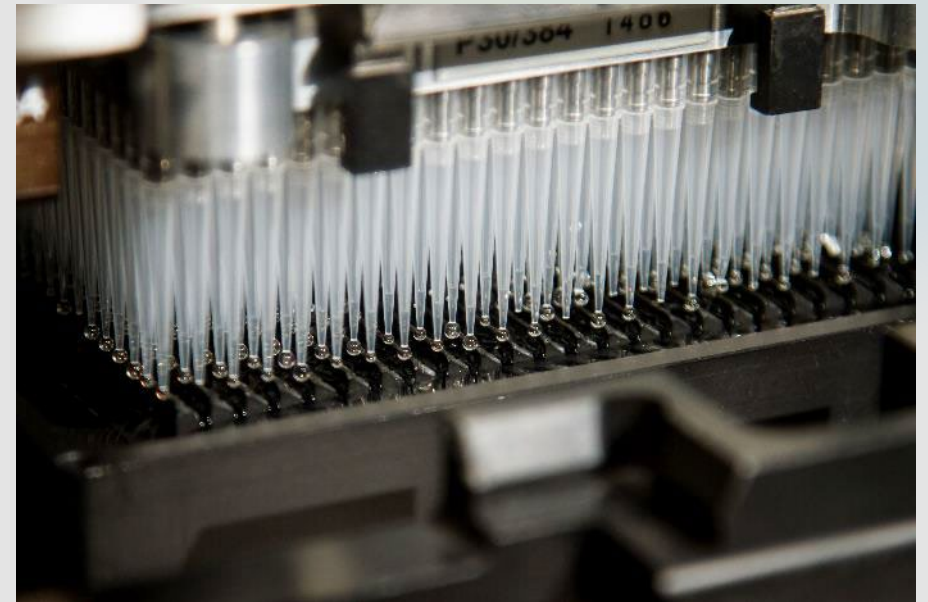
01 Introduction and Opening Statement

02 Personalised Medicine

03 Fast Track Call & Use Cases

04 BBMRI Overview

05 Wrap up and Closing





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House Keeping Rules

- Please use the Q&A section to ask questions
- Keep your mike off
- The slides and the recording will be shared in the EP Permed Website





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Opening Statement

Wolfgang Ballensiefen

EP PerMed Coordinator, DLR



European Partnership for Personalised Medicine, **EP PerMed**



Investment in
and support of
Personalised
Medicine



2023 - 2033



From **26 countries**, ...
and **11 regions**, ...

~**275 Mio.€** from **partners**
~**100 Mio.€** EU budget
> 85% for 3rd party funding

7 years **implementation**
3 years **transition phase**

EP PerMed: Activities Overview*

PM related Technology

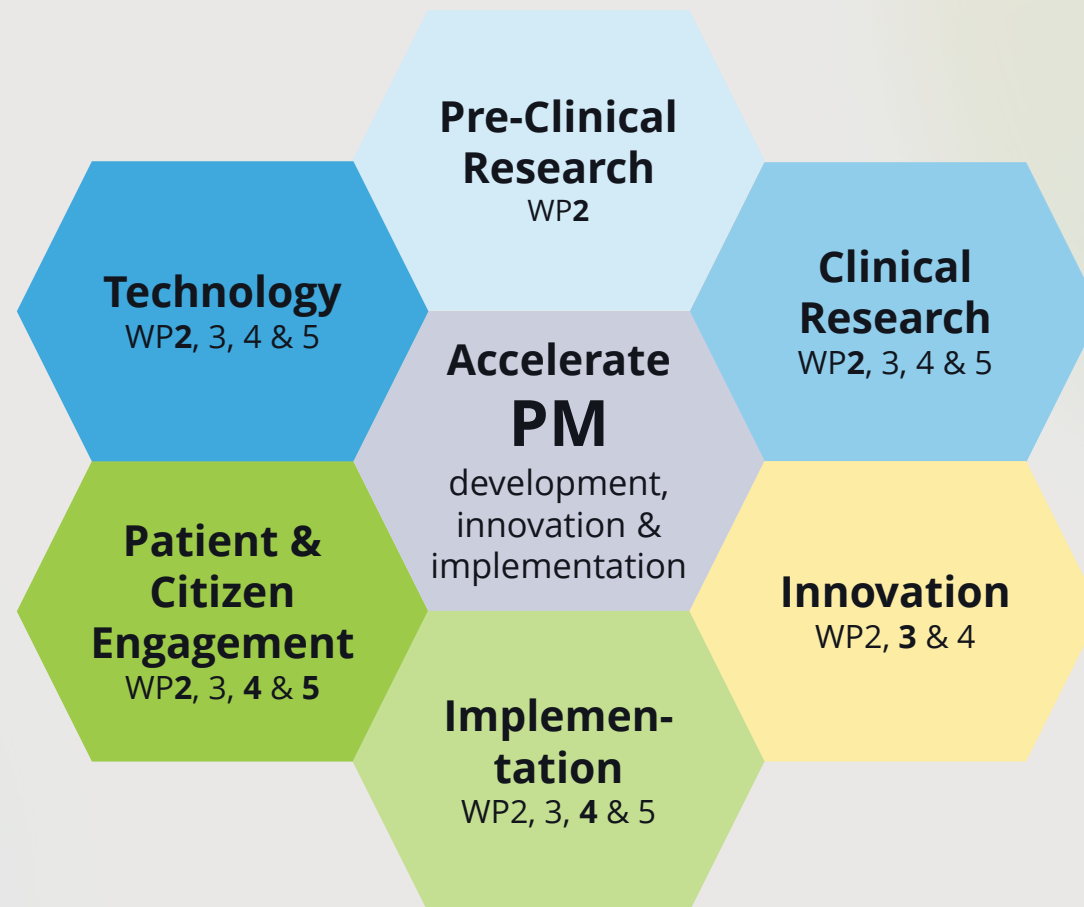
- PM Technology **Awards**
- Best Practice Examples, **BPE**
- **JTCs** and **RITCs**
- ...

Patient/Citizen Engagement

- **JTCs**, funded by EP PerMed/EC
- **Awards** for PM Implementation
- **Education** Calls, **upcoming**
- **Podcast** series, **ongoing**
- Citizen Engagement Strategy, **CES**
- ...

PM Implementation

- **Survey** Calls, **upcoming**
- Summer **School**, **upcoming**
- Twinning **Calls**
- "In Situ" **Visits**, **ongoing**
- Best Practice Examples, **BPE**
- PM **Pilots**
- **JTCs**
- Implementation Board, **NN**
- ...



* Overarching activities and events for all areas: e.g. **Conferences** & Workshops, **Training**, **Mapping**, Strategic Research and Innovation Agendas, **2023** & updates, international and regional **communication** & **cooperation**, etc.

Personalised Medicine (PM)

Research

- Joint Transnational Calls, **JTCs**
JTC2025, **open**
JTC2024, **ongoing**
- **Network** Support Call, **upcoming**
- Research Innovation Technology Calls, **RITCs**, **upcoming**
- **Matchmaking** Events, **ongoing**
- PM **Trainings**, **ongoing**
- Best Practice Examples, **BPE**
- **Video** awards, **ongoing**
- Call Advisory Boards, **CABs**
- ...

PM Innovation

- RITC2025, **upcoming**
- "**Fast Track**", **open**
- "**Venture Creator**", **open**
- Round Tables, **RTs**, **ongoing**
- **Matchmaking** Events. **ongoing**
- Summer **School**, **upcoming**
- **Hackathons**, **upcoming**
- **JTCs**
- **Awards** for Innovation
- Best Practice Examples, **BPE**
- Innovation Advisory Board, **IAB**
- ...

1st EP PerMed Conference on PM Research



EP PerMed organises its first **Conference on Personalised Medicine Research**, February **11th/12th** 2025 in Berlin (Germany)

→ More information under: <https://www.eppermed.eu/news-events/events/ep-permed-conference-on-personalised-medicine-research/>

→ The Registration is **open**: <https://registration.dlr-pt.de/en/ep-permed-conference-on-personalised-medicine-research/registration/>

The event is followed by a **Training Workshop for Scientific Integrity**, February **12th/13th** 2025 in Berlin (Germany)

→ More information and **application** under: <https://www.eppermed.eu/news-events/events/ep-permed-training-on-scientific-integrity/>

For More Information

Website: [**www.eppermed.eu**](http://www.eppermed.eu)

Mail: [**eppermed@dlr.de**](mailto:eppermed@dlr.de)

LinkedIn: **EP PerMed - the European Partnership for Personalised Medicine**



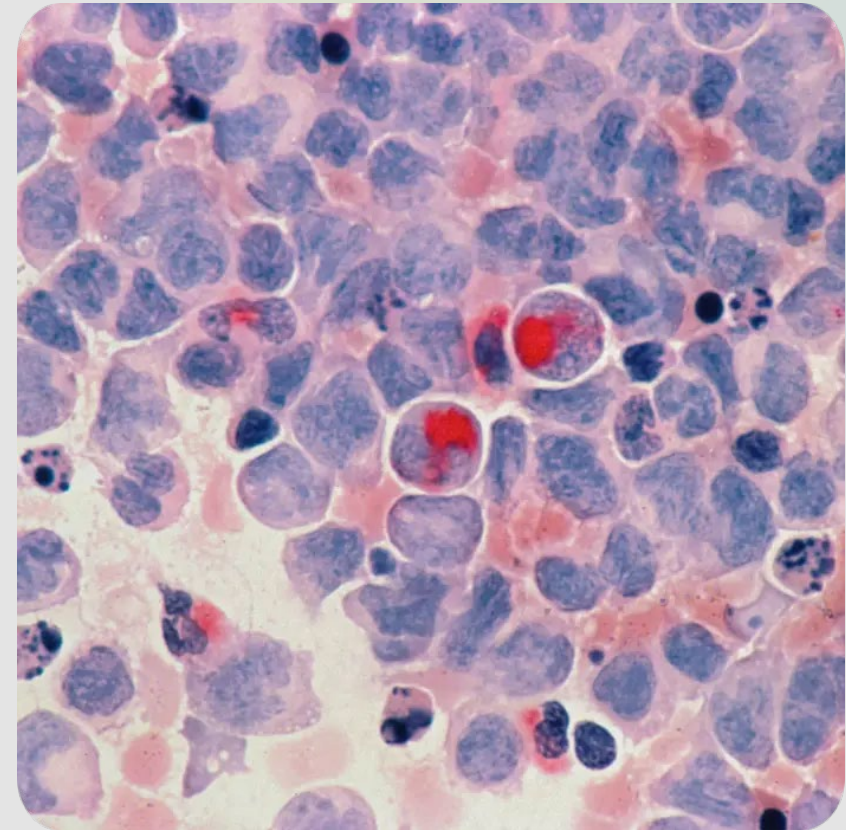
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Personalised Medicine



What is Personalised Medicine

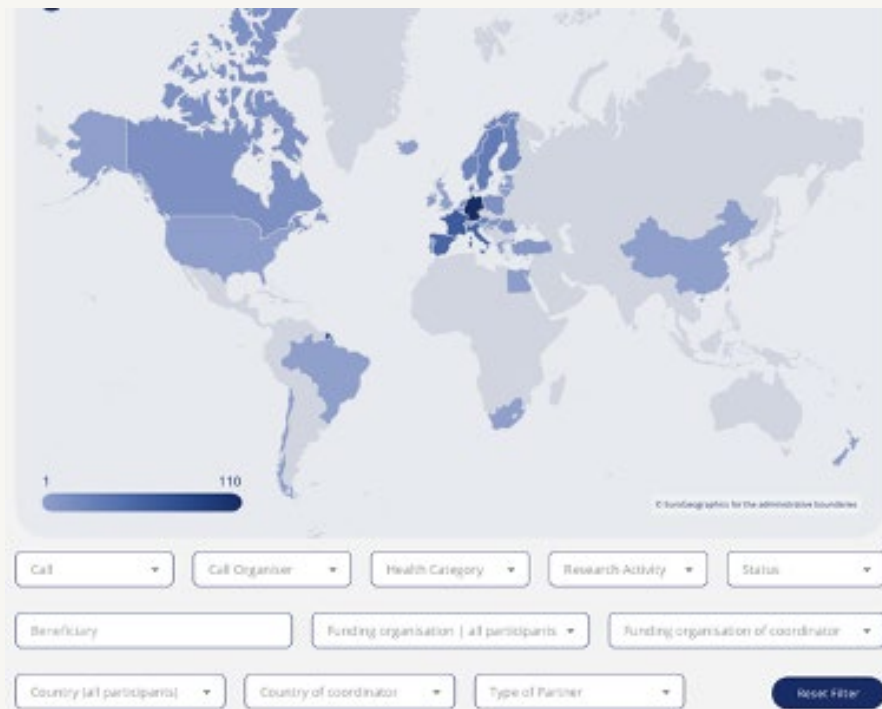
EP PerMed adheres to the definition stated in the PerMed SRIA: 'Shaping Europe's Vision for Personalised Medicine' (2015), adopted from the Horizon2020 Advisory Group:

*"Personalised Medicine refers to a medical model using **characterisation of individuals' phenotypes and genotypes** (e.g., molecular profiling, medical imaging, lifestyle data) for tailoring the right **therapeutic strategy** for the right person at the right time, and/or to determine the **predisposition to disease** and/or to **deliver timely and targeted prevention.**"*

Some additional information can be found in the 2018–2020 Advice of the Horizon 2020 Advisory Group for Societal Challenge 1, "Health, Demographic Change and Well-being":

*"Different synonymous terms have been used alongside 'personalised medicine', most commonly 'precision medicine' and **'stratified medicine'**. While there may be subtle differences in the literal meanings of these terms, they usually refer to the same concept when applied in practice. Stratified medicine (mainly used in the UK) is more treatment-dependent, while precision medicine (mostly used in US) has a relatively broad meaning as it refers to 4P (predictive, preventive, personalised and participatory) medicine. We use the term personalised medicine because this term best reflects the ultimate **goal of effectively tailoring treatment based on an individual's 'personal profile', as determined by the individual's genotype and phenotype data.** Based on individuals' profiles, PM aims to identify the optimal treatment regime by avoiding the treatment-failure approach commonly used in current evidence-based medicine."*

Useful Resources



EP PerMed Database for Projects in Personalised Medicine Research and Innovation.

*27 transnational research and innovation projects funded by EP PerMed
111 projects funded by its predecessor ERA PerMed.*

The database features an interactive map, detailed filter options to select projects and detailed project descriptions: <https://www.eppermed.eu/funding-projects/projects-results/project-database/>



Strategic Research & Innovation Agenda for Personalised Medicine

PM research and Innovation activities, challenges

<https://www.eppermed.eu/wp-content/uploads/2023/09/EPPERMed-SRIA.pdf>



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Fast Track Call



Fast Track - Snapshot

Who can Apply

- Start-up or a team/researcher affiliated with an academic or healthcare research organization.
- Solutions must be at least at proof-of-concept stage (TRL3).



Key Dates

- Call Opens: 10 December 2024.
- Submission Deadline: 13 March 2025.

Funding & Support

- Up to €80,000 per project for validation services. **(5 Selected start-ups)**
- Collaboration with top-tier validation centres.



Expected Outcomes

Projects gain critical evidence, improve TRL levels, and advance towards commercialisation.

Fast Track - Programm Overview

Funding: €80,000 per project as Lump Sum Funding

Funding distribution: at least 70% of funding is to go to the validation centre

Contract: Trilateral agreement with EP PerMed, applicant, and the validation centre



Fast Track – Eligibility and Submission Process



<https://apply.eithealth.eu/>



Submission in English and before the Deadline



Applications can be submitted by a start-up or a team/ researcher affiliated with an academic or healthcare research organization. The solution must be at least TRL 3 or more.



Applications can be submitted alone or with a Validation Center / Biobank.



Registered in an EU Member State or a Horizon Europe-associated country

Registration Options

Thank you for your interest in EIT Health opportunities.

To register, please read through the options below. After you select the one that best describes you, we will ask you a few questions to learn more about you and/or your company. When you finish inputting your information, please look for an email from us to confirm your registration. Please note that the information you share with us here will transfer over to your application of choice.

Please select the option below that best describes you:

Individual - Expert

Please select this option if you are looking to apply to our **Call for Experts**, and you are **not** applying as part of a start-up or an organisation.

Individual - Student

Please select this option if you are looking to apply to our **Education Programmes**, and you are **not** applying as part of a start-up or an organisation.

If you are applying to one of our **i-Days** event, please choose this registration option.

Representative of an organisation (excludes start-ups)

Please select this option if you wish to apply as a representative of an organisation, such as industry, academia, research, hospitals, NGOs, cluster organisations, cities or municipalities. This option includes EIT Health Partners or Members (e.g., Core Partners, Associate Partners, and affiliated entities of both) and organisations that are new to the EIT Health Community.

If this option best describes you, you will be able to apply to our **Flagships Calls**. Please note that if you select this option, it may take up to 48 hours for your registration to be approved.

Representative of a start-up or independent team

Please have the information about your start-up/team at hand as you will need it to register in the system. If you are part of a start-up venture / team, you will be able to apply to EIT Health acceleration programmes and the **Flagships Calls**.

Fast Track – Eligibility and Submission Process

<https://apply.eithealth.eu/>



Submission in English and before the Deadline



Applications can be submitted by a start-up or a team/ researcher affiliated with an academic or healthcare research organization. The solution must be at least TRL 3 or more.






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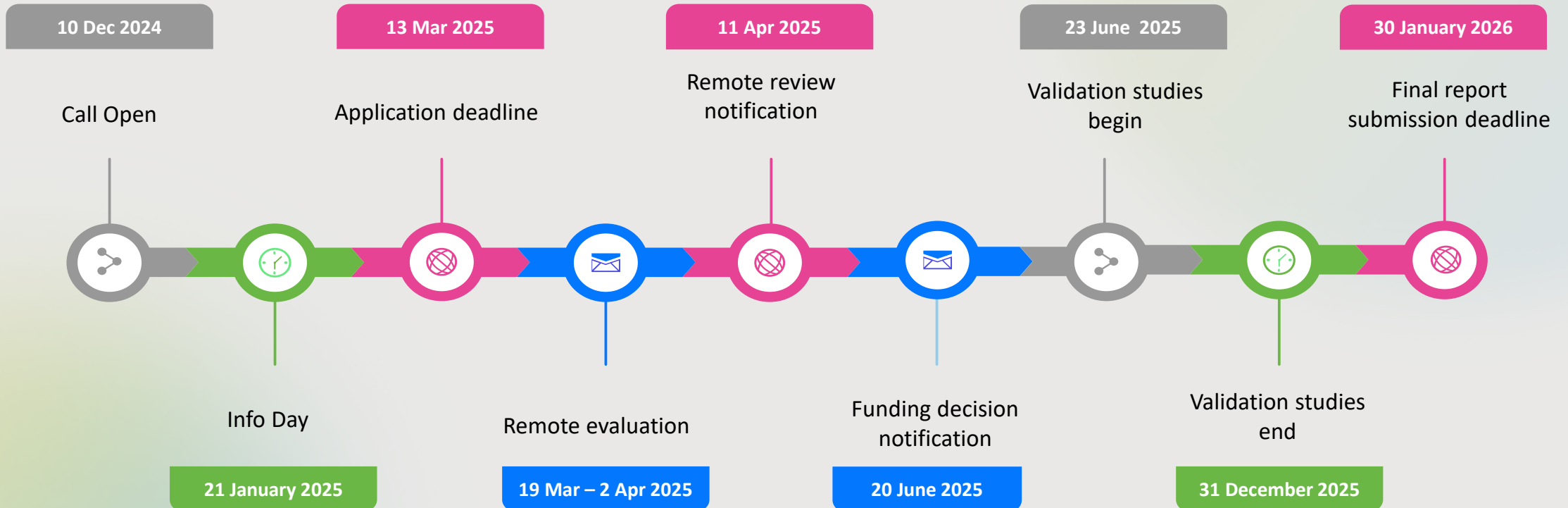
PROGRAMMES & OPPORTUNITIES

Please find below the programmes and opportunities that are open for applications. You can find more information on EIT Health opportunities via our website: <https://eithealth.eu/get-involved/events-and-opportunities/>.

x  1-9 of 9  

#	Programme	Programme Category	Additional Information	Close Date (time in CET)		
1	Call for Experts	Other		20/03/2025 00:00		Your organisation type is not eligible
2	EP PerMed: Venture Creator (EPVC)	Accelerator Programme		13/03/2025 16:00	more info	Apply Now
3	EP PerMed: Fast Track (EPFT)	Accelerator Programme		13/03/2025 16:00	more info	Apply Now
4	TEF Health	Accelerator Programme	TEF-Health for Health AI and Robotics hereby invites start-ups and SMEs to apply to the Cycle #4	18/03/2025 16:00	more info	Apply Now
5	Bootcamps: Women Entrepreneurship	Accelerator Programme		16/04/2025 17:00	more info	Apply Now
6	Bootcamps: Medtech	Accelerator Programme		28/05/2025 17:00	more info	Apply Now
7	Bootcamps: Regulatory Pathways	Accelerator Programme		28/05/2025 17:00	more info	Apply Now
8	Bootcamps: Patient Innovation	Accelerator Programme		28/05/2025 17:00	more info	Apply Now
9	Degree Programmes	Education Programme	EIT Health Learner's Database	14/08/2030 16:00	more info	Your organisation type is not eligible

Fast Track - Timeline



Fast Track – Programme Admission

Innovativeness of Idea

Management Capacity

Market Opportunity and Impact

Co-creation and validation

Business Model and Development Strategy

- Top **10 preselected applicants** will be invited to provide a detailed validation plan, including detailed cost plan.
- If the study plan foresees ethical approval, it must be submitted to the respective Ethical Board(s). A copy of the application should also be provided before the validation starts.
- Both start-up and validation centers have signed the three-party Financial Support Agreement (between EIT Health as funder, the validation centre, and the PM solution owner/applicant).

Fast Track – Funding and Grant Payout

- **Top 5 selected** projects that successfully submitted their project plan and concluded a contract with a chosen validation centre will receive funding of up to 80,000 EUR per project
- This funding is intended to cover validation services and eligible costs
- At least 70% of the budget allocated specifically to validation services.
- The payment will be distributed in two instalments: an initial pre-payment of 50% of the total funding will be made at the start of the project. The remaining 50% will be disbursed upon approval of the final activity report.

Amount to be paid	Description	Payment tranche
50 % of the Lump Sum Contribution	Validation Centre 35% of the total funding awarded. Start-Up 15% of the total funding awarded.	Pre-financing
50 % of the Lump Sum Contribution	Validation Centre 35% of the total funding awarded. Start-Up 15% of the total funding awarded.	Final payment

Fast Track – Validation Centers and BioBanks



- Criteria for an initial review of the validation can be found in the call documents (section 10.1 and 10.2)
- The evaluation of validation centers is conducted after the call is closed, as ensuring a good fit between the services provided by the center and the specific needs of the start-up is a crucial part of the evaluation process.
- The validation center and the start-up (or research team) must belong to different institutes or organizations; they cannot be part of the same entity
- Top 10 applicants that applied without a validation Center will receive up to 3 suggestion from EP Permed network.
- In the call Annex you can find some suggestion of some validation centers that you can reach out to.

Fast Track – Potential List of Validation centers



- [EITH database of biobanks and health registers https://biobankshealthdata.eithealth.eu/](https://biobankshealthdata.eithealth.eu/)

→ Accelerate your business using European biobanks and health data registries. Learn how to find and access the samples and data you need. Welcome to explore the biobanks and registries in our database

- [Database of European biological and biomedical imaging: https://www.eurobioimaging.eu/validation/](https://www.eurobioimaging.eu/validation/)

→ 18 Member countries + the European Molecular Biology Laboratory (EMBL), 41 National Nodes (**19 Nodes offers preclinical or in vivo imaging technologies, 11 offers clinical imaging, 8 specialising in medical data analysis**), 237 facilities across Europe, 120+ state-of-the-art imaging technologies.

- [BBMRI database of samples and data in biobanks](#)

- [ERIC Forum](#)

- [Check Annex 1 in the call documents: Here](#)



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Use Cases



Biobank as validation center

Current status: Start-up has designed algorithm to estimate the genetic risk of colorectal cancer among healthy persons. The algorithm was established as a result of research project using national e-health database and genetic profiles available in one country.

Aim of the validation: to validate the algorithm based in other population using biobank data: 1) genetic information, 2) e-health data

Important to take into account:

- NB! Validation foresee ethical approval, that should be in place for the beginning of the project (19th of June, 2025, 11th of April remote review notification)
- As Fast Track validation is 6 month long project with budget 80K € - the access to “ready-to-use data” is optimal instead of asking **samples** from biobank
- Biobank should have **broad consent** to provide health data and genetic data
- Biobank should have right to provide data (samples) for **commercial use**
- Additional partner might be needed for bioinformatics services

Bioimage database as validation center



Current status: Research team has designed algorithm to provide accurate diagnostics based on combination of the molecular profile and medical images.

Aim of the validation: The algorithm needs to be validated further using Euro Bioimaging database.

Important to take into account:

- NB! Validation might foresee ethical approval, that should be in place for the beginning of the project (19th of June, 2025, 11th of April remote review notification)
- Additional partner might be needed for image analysis services

Living lab as validation center

Current status: Start-up has developed several PM tools for early diagnostics of mental diseases and disease (subtype) identifications.

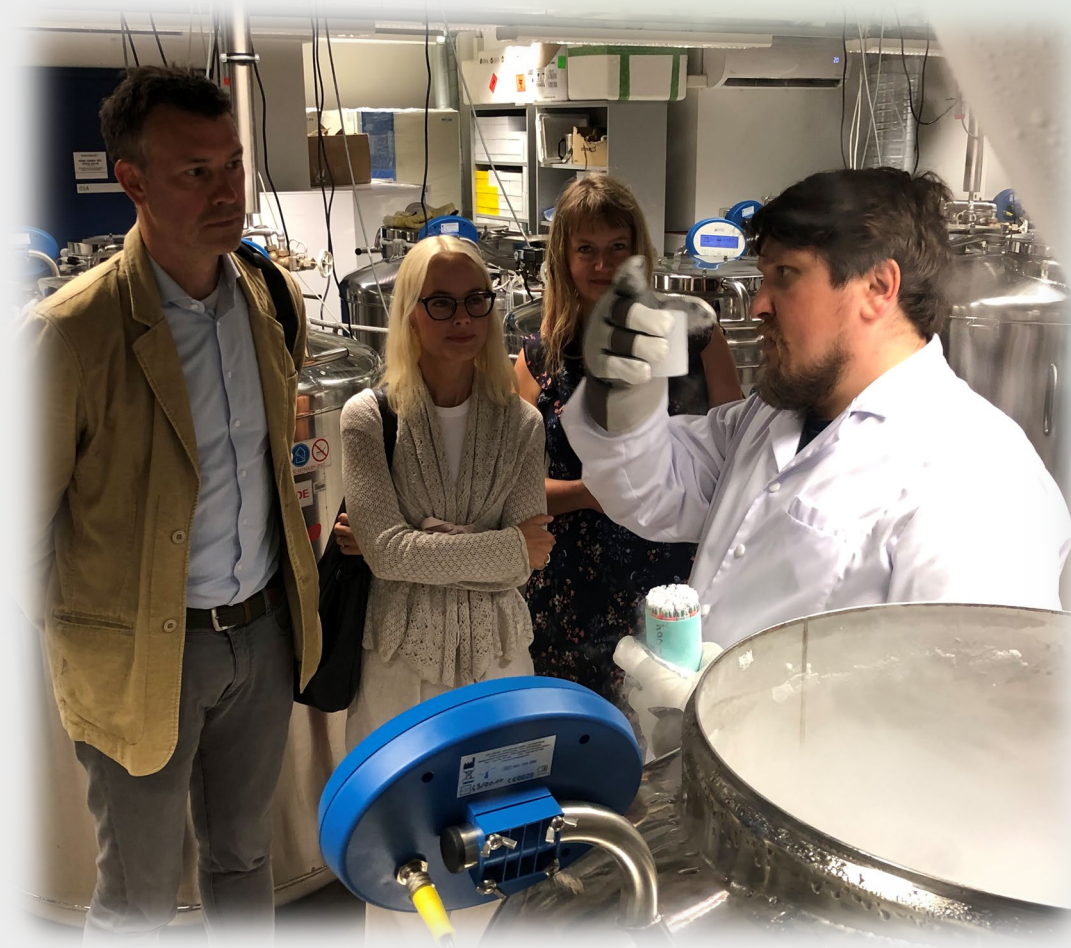
Aim of the validation: Feedback to the results communication tool

- Validation in real-life test and experimentation environment
- Feedback from end users after testing in multi-stakeholder environment (incl. by patients and medical doctors).
- Co-creation of user-friendly interface in 3 language.

Important to take into account:

- Impact of the study is crucial

BBMRI Overview



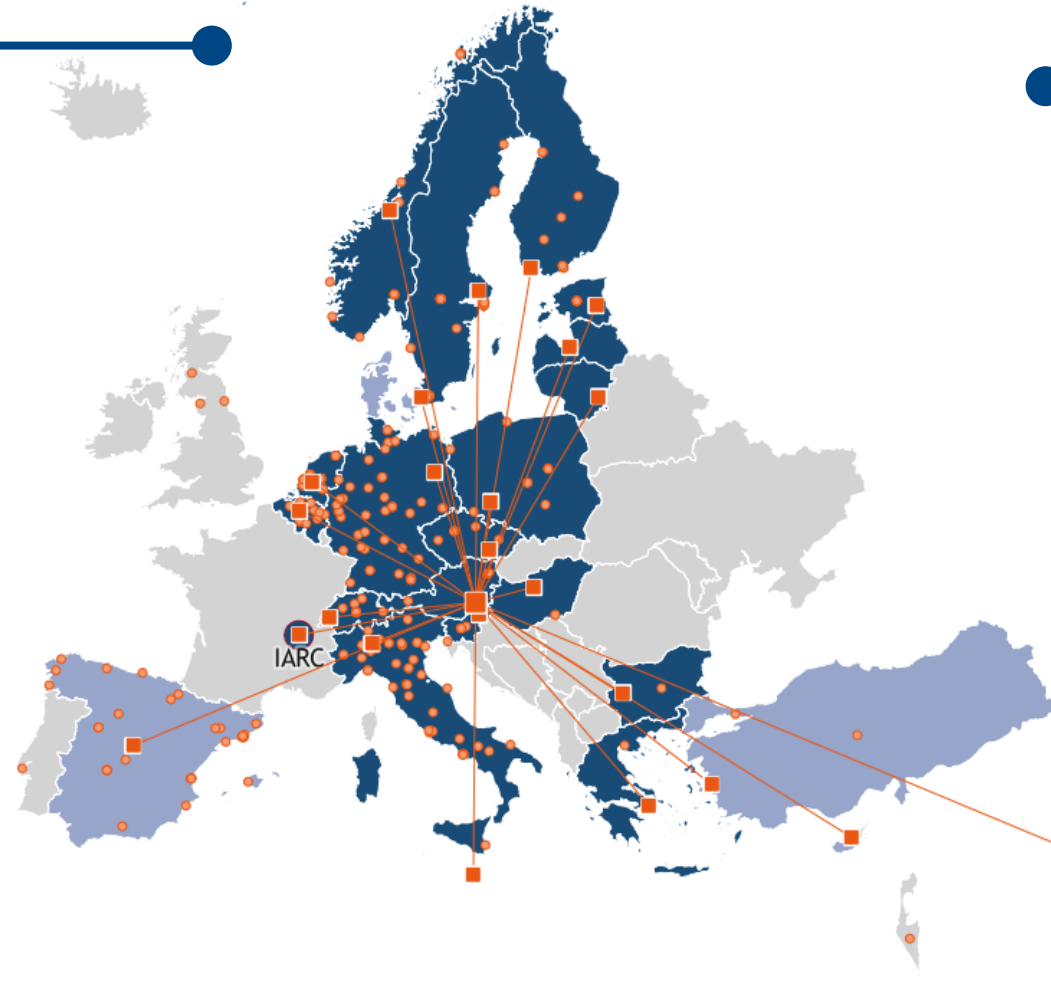
BBMRI-ERIC IS A DISTRIBUTED RI

Operating in Health & Life Sciences with



20 MEMBER STATES

Austria
Belgium
Bulgaria
Cyprus
Czech Republic
Estonia
Finland
Germany
Greece
Hungary
Italy
Latvia
Lithuania
Malta
Netherlands
Norway
Poland
Slovenia
Sweden
Switzerland



5 OBSERVERS

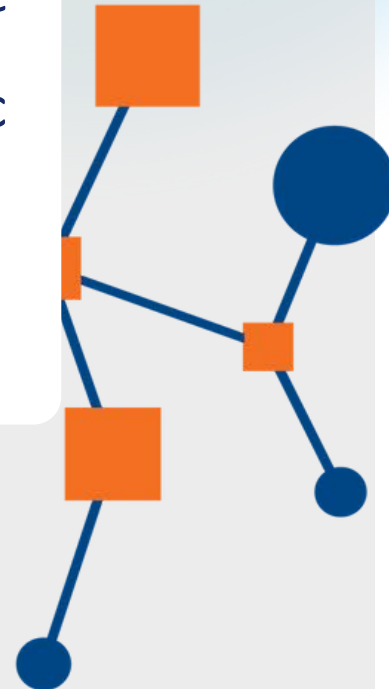
Denmark
IARC/WHO
Qatar
Spain
Türkiye

COMMUNITY

> 473 biobanks
+ Affiliated partners
24 National Nodes + IARC/WHO
1 Headquarter
3 Biotech Expert Centres
ELSI, QM, IT Expert Groups

Mission Statement

BBMRI-ERIC enables the development of innovative technology and processes as a cross-domain network that facilitates responsible access to high quality samples, data and biomolecular resources. We achieve this through multidisciplinary expertise and service provision, scientific excellence, knowledge exchange and partnerships in health and life sciences



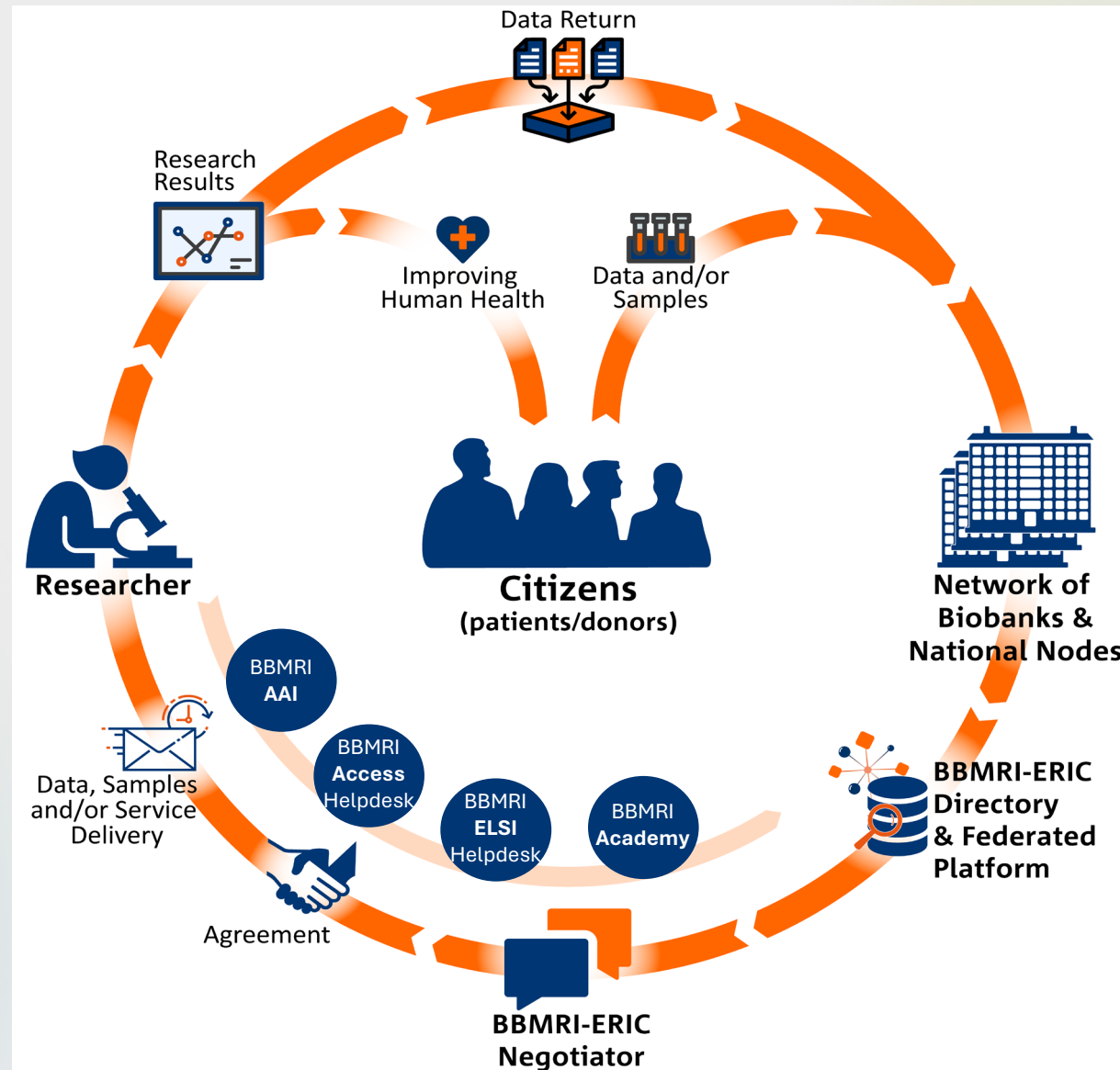
BBMRI-ERIC's FEDERATED ACCESS PIPELINE

BBMRI-ERIC's MIABIS* FAIR Data

include:

- ✓ 7,834 OMOP viables of clinical phenotype data with biochemical measurements,
- ✓ 10PB whole slide or radiology image data,
- ✓ OMICs data (> 155K genomes, proteomics, metabolomics etc.),
- ✓ National Registries connections with e.g. survival data and
- ✓ other data types incl. surveys, genealogy, patient-provided data.

*MIABIS: Minimum Information ABOut Biobanking data Sharing



Training & Education in:

- ✓ ELSI
- ✓ IT
- ✓ QM
- ✓ Biobank Development
- ✓ Health & Life Science Research/Development
- ✓ Outreach/Engagement



BBMRI-ERIC Directory is largest biobank catalogue worldwide:

- ✓ 473 biobanks with
- ✓ 7 Mio. patients across
- ✓ 32 countries.

BBMRI-ERIC Federated Platform

features:

- ✓ 460,000 donors with
- ✓ 155,000 genomes across
- ✓ 10 EU countries today.

Access to samples and data

BBMRI-ERIC Samples and Data Portal

SEARCH BY BIOBANKS AND COLLECTIONS

DIRECTORY

"I want to browse all biobanks in the BBMRI-ERIC."

The Directory is a broad catalogue of our biobanks with aggregated information on their collections. You can browse and filter by country, sample type, quality marks, ICD-10 and more.

[Guide for the Directory](#)

[Go to Directory](#)

SEARCH BY SAMPLE AND DONOR INFORMATION

FEDERATED PLATFORM TOOLS

"I need tissue and liquid samples fitting to my research scope."

The Locator is your access to the samples and data associated to the samples based on real-time search on donor and sample level.

[Video-Guide for the Locator](#)

[PDF-Guide for the Locator](#)

[Go to Locator](#)

"I am interested more in genomics and population data analysis than samples themselves."

The Finder is a data analysis tool focused on clinical, phenotypic and genomics data.

[Video-Guide for the Finder](#)

[PDF-Guide for the Finder](#)

[Go to Finder](#)



Access to samples and data

BBMRI-ERIC Samples and Data Portal

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Search

Diagnosis available ▾ Countries ▾ Collection type ▾ Categories ▾ Material type ▾ Biobank services ▾ Quality labels ▾ Network ▾ Data category ▾

Available to commercial use

Need support?
Contact us:
Manuela Pausan

manuela.pausan@bbmri-eric.eu



Other Resources – ERIC Forum



- ▶ **28 ERICs** offering expertise on various domains
- ▶ **www.eric-forum.eu**
- ▶ **Interested to learn more – contact us!**
info@mail.eric-forum.eu

Wrap-up and Summary



Summary

- ▶ Start-up or a team/researcher affiliated with an academic or healthcare research organization with a proof-of-concept at least stage (TRL3).
- ▶ Application form is open in smart Simple. [Apply here.](#)

- ▶ Deadline is on the **13 of March 2025**
- ▶ In case your solution is very early, you can check our Venture Creator programme → Webinar next Tuesday 28th January. [Register here.](#)



Thank You



EP PerMed Accelerator Calls

E: calls_eppermed@eithealth.eu

<https://www.eppermed.eu/>

Question?

