Astrid Hoebertz, FFG – Austrian Research Promotion Agency

“LAST CALL IN HEALTH/HORIZON 2020 – NEW FUNDING OPPORTUNITIES IN CLINICAL AND DIGITAL HEALTH RESEARCH”

8th of May 2019, Vienna
HEALTH IN HORIZON 2020 – CALL 2020

CONTENT

• Main Focus: New calls 2020 in „Health, demographic change and wellbeing“
  o Political background
  o Which call topics are open? Brief description of contents
  o How do I prepare?
• Statistics and „Lessons Learned“ of previous calls
• Other funding opportunities and Outlook into Horizon Europe
• Questions & Answers

Non-Objectives
• very detailed descriptions of each of the 35 call topics
• Training on proposal writing => participate in our FFG Academy trainings!
• Feedback to your individual project ideas => get in touch with us after the webinar!
YOUR HOST

• FFG - Austrian Research Promotion Agency is the national funding agency for industrial research and development in Austria.

• In the division “European and International Programmes”, it also hosts all National Contact Points (NCPs) for Horizon 2020

• Speaker: Astrid Hoebertz, PhD, National Contact Point for Life Sciences/Health since 2004
# MAIN FFG SERVICES FOR HORIZON 2020

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...plus other services!
HEALTH IN HORIZON 2020 – CALL 2020

BASIC STRUCTURE

**Scientific Excellence**
1. ERC
2. Future and Emerging Technologies (FET)
3. Marie Curie
4. Research Infrastructures

**Industrial Leadership**
1. Key enabling technologies
2. Risk financing
3. Innovation in SMEs

**Societal Challenges**
1. Health, demographic change
2. Bioeconomy
3. Energy
4. Mobility
5. Climate & Environment
6. Inclusive Societies
7. Security

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"HEALTH RESEARCH" HAPPENS ALMOST EVERYWHERE...

Scientific Excellence
- European Research Council
- Marie Skłodowska Curie Actions
- Research Infrastructures
- Future & Emerging Technologies

Industrial Leadership
- Thematic Programmes (NMPB, ICT, Biotech...)
- SME instrument
- Fast Track to Innovation
- Eurostars-2

Societal Challenges
1. “Health, demographic change and wellbeing” ("Health")

Health "core" calls
- Innovative Medicines Initiative
- Active Assisted Living Programme
- European & Developing Countries Clinical Trials Partnership
BACKGROUND – EUROPEAN AND GLOBAL POLICIES

• **Sustainable Development Goals**, especially No 3: “Ensure healthy lives and promote well-being for all at all ages”

• the **Ostrava declaration on environment and health**

• **Digital Single Market**

• European One Health Action Plan against **Antimicrobial Resistance**

• **cross-border healthcare directive** (and its support to the European Reference Networks)

• **International Cooperation** – Bilateral Agreements for one call: Canada, India, Russian Federation… or focus on countries in call text (CELAC, China…)

• **Communication on Digital Transformation of Health and Care in the Digital Single Market**

• **strategic collaborations/international consortia**
  - International Consortium for Personalised Medicine – ICPeRMed
  - International Rare Diseases Research Consortium (IRDiRC)
  - Global Research Collaboration for Infectious Disease Preparedness (GloPID-R)
  - Global Alliance for Chronic Diseases (GACD)
  - Human Cell Atlas Initiative
  - ….
DIGITAL HEALTH HIGH ON THE EU AGENDA

• 25th of April 2018: The „Data Package“ => Towards a common data space in the EU for new products and services based on data
  o Review of the Directive on re-use of public sector information
  o Results of the evaluation of the Database Directive
  o Sharing of private sector data
  o Artificial Intelligence
  o Simplifying legal framework for .eu
  o Transparency and fairness for platform users
  o Online disinformation – Code of Practice
  o Communication on digital health and care
Digital Health and Care

Transformation of Health and Care in the Digital Single Market - Harnessing the potential of data to empower citizens and build a healthier society

European health challenges
- Ageing population and chronic diseases putting pressure on health budgets
- Unequal quality and access to healthcare services
- Shortage of health professionals

Potential of digital applications and data to improve health
- Efficient and integrated healthcare systems
- Personalised health research, diagnosis and treatment
- Prevention and citizen-centred health services

What EU citizens expect...
- 90% agree: To access their own health data (requiring interoperability and quality health data)
- 80% agree: To share their health data (if privacy and security are ensured)
- 80% agree: To provide feedback on quality of treatments

Support European Commission:
1. Secure access and exchange of health data
   - Ambition:
   - Citizens securely access their health data and health providers (doctors, pharmacies) can exchange them across the EU
   - Actions:
   - eHealth Digital Service Infrastructure will deliver initial cross-border services (patient summaries and ePrescriptions) and cooperation between participating countries will be strengthened
   - Proposals to extend scope of eHealth cross-border services to additional cases, e.g., full electronic health records
   - Recommended exchange format for interoperability of existing electronic health records in Europe

2. Health data pooled for research and personalised medicine
   - Ambition:
   - Shared health resources (data, infrastructure, expertise) allowing targeted and faster research, diagnosis and treatment
   - Actions:
   - Voluntary collaboration mechanisms for health research and clinical practice (starting with "one million genotypes by 2022" target)
   - Specifications for secure access and exchange of health data
   - Pilot actions on rare diseases, infectious diseases and impact data

3. Digital tools and data for citizen empowerment and person-centred healthcare
   - Ambition:
   - Citizens can monitor their health, adapt their lifestyle and interact with their doctors and carers (receiving and providing feedback)
   - Actions:
   - Facilitate supply of innovative digital-based solutions for health, also by SMEs, with common principles and certification
   - Support demand- and public sectors for innovative digital-based solutions for health, notably by healthcare authorities and providers, with exchange of practices and technical assistance
   - Mobilise more efficiently public funding for innovative digital-based solutions for health, including EU funding

#DigitalSingleMarket #DigitalHealth #Health4EU #EUhealth
Communication on the Digital Transformation of Health and Care – 3 pillars

HEALTH IN HORIZON 2020 – CALL 2020

CALLS 2018 - 2020

Call „Better Health and Care, Economic growth and sustainable health systems“
- two-stage and single-stage topics
- Budget 2020: 498 Mio €

Call „Digital transformation in health and care“
- single-stage topics
- Budget 2020: 92 Mio €

Call „Trusted digital solutions and cybersecurity in health and care“
- single-stage topics
- Budget 2020: 70 Mio €
WHERE DO I FIND THE CALLS?

=> currently nowhere
„official“...after publication on the Funding & tenders portal:

Find relevant topics using the keyword search...

...or by programme

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home
HEALTH IN HORIZON 2020 – CALL 2020

Novel patient-centred approaches for survivorship, palliation and/or end-of-life care

ID: SC1-BHC-23-2018

Type of action:
- RIA Research and Innovation action
  Deadline Model: single-stage
  Opening: 07 November 2017
  Deadline: 18 April 2018 17:00:00 Brussels time

Horizon 2020

Work programme: Health, demographic change and wellbeing

Call name: Better Health and care, economic growth and sustainable health systems | Call ID: H2020-SC1-BHC-2018-2020

Work programme year: H2020-2016-2020

Topic Updates

- Oct 6, 2018 11:58:29 AM
  A result overview of the evaluation that closed on 18 April 2018 is now available under the "Topic conditions and documents" section.

Specific Challenge:
Health conditions linked to end-of-life issues, acute and chronic pain, life-threatening non-communicable diseases, late or long term side effects and consequences of diseases and their treatments impact quality of life and palliative care of life and survivors may benefit patients with malignant and non-malignant chronic health conditions, providing relief to their symptoms and improving their quality of life. From 38% to 74% of the...
UNDERSTANDING CALL TOPICS: EXAMPLE

'Specific challenge' => sets the context, the problem to be addressed, why intervention is necessary

'Scope' => delineates the problem, specifies the focus and the boundaries of the potential action BUT mostly without describing specific approaches

'Budget' => gives budget indications

'Expected impact' => describes the key elements of what is expected to be achieved in relation to the specific challenge

'Type of action' => Research and Innovation Action, Innovation Action, Coordination and Support Actions....
## MOST RELEVANT INSTRUMENTS/TYPES OF ACTION

<table>
<thead>
<tr>
<th>Type of Action</th>
<th>Funding Rate</th>
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<tr>
<td>RIA - Research and Innovation Actions</td>
<td>100 %</td>
</tr>
<tr>
<td>IA - Innovation Action</td>
<td>70 %</td>
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<tr>
<td></td>
<td>100 % für Non Profit Organisationen</td>
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<tr>
<td>CSA - Coordination and Support Action</td>
<td>100 %</td>
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**OTHERS:**
- Pre-commercial procurement - PCP
- Public procurement for innovation - PPI
- ERA-NET co-fund
- ...

Special this year: 1x RIA „Lump Sum“
OVERVIEW

• „Core Calls“ 660 Mio €, plus „Other Actions“ => total budget 771 Mio €
• 35 Topics
  • 18 x Research and Innovation Action (RIA)
    o 14 x Single Stage
    o 4 x Two Stage
  • 11 x Coordination and Support Action (CSA)
  • 3 x ERA-NET CoFund
  • 3 x PCP/PPI

Budget Mio €

583 Mio € for RIA => 88% !!

Number of topics

RIA  CSA  PCP/PPI  ERANET

HEALTH IN HORIZON 2020 – CALL 2020
TIMELINE

• final version expected in May 2019
• Official Publication foreseen for 28th of June 2019
• **Deadlines:**
  • 1st Stage of two stage topics: 24th of September 2019
  • Single Stage and 2nd stage of two stage topics: 7th or 22nd of April 2020 (with one exception: one topic already 13th of November 2019 (!)
• Open Info Day Brussels: 3rd of July 2019
• Brokerage Event Brussels: 4th of July 2019 [https://healthbe2019.b2match.io/](https://healthbe2019.b2match.io/) => find project partners!!!
MAIN POLICY DRIVERS 2020

• Sustainable Development Goals
• European Consensus on Development “Our world, our dignity, our Future”
• the Ostrava declaration on environment and health
• Digital Single Market
• European One Health Action Plan against Antimicrobial Resistance
• cross-border healthcare directive (and its support to the European Reference Networks)
• Communication on upgrading the single market (and proposed HTA initiative)
• Council Conclusions on Personalised Medicine
• International Cooperation: Japan, Canada, Africa

• United Nations Paris Climate Change Agreement
• Communication on Digital Transformation of Health and Care in the Digital Single Market
• REACH and EU related policies
• European Strategy for Plastics in a Circular Economy
• European Cloud Initiative
• European Free Flow of Data Initiative
• International Rare Diseases Research Consortium (IRDiRC)
• Global Research Collaboration for Infectious Disease Preparedness (GloPID-R)
• Global Alliance for Chronic Diseases (GACD)
CALL 2020

„BETTER HEALTH AND CARE, ECONOMIC GROWTH AND SUSTAINABLE HEALTH SYSTEMS“

1.1 Personalised Medicine
1.2 Innovative Health and Care Industry
1.3 Infectious Diseases and improving Global Health
1.4 Innovative Health and Care Systems – Integration of Care
1.5 Decoding the Role of the Environment, including Climate Change, for Health and Well-being
1.6 Contribution to the Call on Digital Transformation in Health and Care

=> TOPICS FOR „RESEARCH“ PROJECTS
SC1-BHC-06-2020
Digital diagnostics – developing tools for clinical decisions integrating various diagnostic data

Research and Innovation Action

SINGLE STAGE (TWO STAGE IN EARLIER VERSIONS!!)
Total 40 MIO €, per project 8-15 Mio €

Scope:

• Develop tools, platforms or services that use information from most relevant diagnostic means, resulting in accurate assessment of patient health

• Solutions should integrate various data sources (e.g. medical records, in vitro and in vivo diagnostics, medical imaging, functional tests…..), taking account of needs and in view of deployment

• tested in real-life settings in pilot centers

• contribute to improving diagnosis and clinical decisions, not only integrate existing data

• should involve intelligent human-computer interface solutions to facilitate daily use in clinical practice

• address ethical and legal concerns, data safety, data privacy, gender and sex differences when relevant!

Tip!

high budget => large applications/platforms expected!
=> help clinicians to make decisions, to have systematic view of patients

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SC1-BHC-08-2020: New interventions for Non-Communicable Diseases

Research and Innovation Action

TWO STAGE (!), 1ST STAGE 24.9.19!
Total 80 Mio € per project 4 – 6 Mio €

Scope:
• Conduct early stage clinical trial(s) to validate novel or refined healthcare interventions for patients suffering from non-communicable diseases (rare diseases, and regenerative medicine excluded).
• supported by proof-of-concept of clinical safety and efficacy of the therapy, demonstrate the clinical potential.
• May be an investigator initiated clinical study.
• Preclinical research and draft clinical trial protocol must be completed before submission of the proposal.
• Patient and carers should be involved and views reflected, where appropriate!

Tip! Similar topics in 2014 and 2016 – check funded projects!
Funded Projects from Previous Calls (1)

**Topic 2016: New therapies for chronic diseases**

- HIVACAR: Evaluating a Combination of Immune-based Therapies to Achieve a Functional Cure of HIV Infection
- anTBiotic: AnTBiotic – progressing TB drug candidates to clinical proof of concept
- PAPA-ARTIS: Paraplegia Prevention in Aortic Aneurysm Repair by Thoracoabdominal Staging with ‘Minimally-Invasive Segmental Artery Coil-Embolization’: A Randomized Controlled Multicentre Trial
- STIPED: Transcranial brain stimulation as innovative therapy for chronic pediatric neuropsychiatric disorder
- TreatER: Clinical study in Parkinson's disease with two unique goals: 1) Proof-of-concept of CDNF protein for disease modification; 2) Validation of clinically tested device for intracerebral drug delivery
- EURE-CART: EURopean Endeavour for Chimeric Antigen Receptor Therapies
FUNDED PROJECTS FROM PREVIOUS CALLS (2)

Topic 2016: New therapies for chronic diseases

- IMMUNOSABR: Clinical proof of concept through a randomised phase II study: a combination of immunotherapy and stereotactic ablative radiotherapy as a curative treatment for limited metastatic lung cancer
- KidsAP: The artificial pancreas in children aged 1 to 7 years with type 1 diabetes
- LIVERHOPE: Development of DIALIVE, a novel Liver Dialysis Device for the treatment of patients with Acute on Chronic Liver Failure (ACLF)
- ALIVER: Simvastatin and rifaximin as new therapy for patients with decompensated cirrhosis
- WEAKID: Clinical validation of miniature wearable dialysis machine
- PROOF: Penumbral Rescue by Normobaric O=O Administration in Patients With Ischaemic Stroke and Target Mismatch ProFile: A Phase II Proof-of-Concept Trial
- IMMUNISA: A Next Generation Immunotherapy for Human Papilloma Virus induced Cervical Cancer
SC1-BHC-11-2020: Advancing the safety assessment of chemicals without the use of animal testing

Research and Innovation Action

SINGLE STAGE
Total 60 Mio €
per project 10 – 20 Mio €

Scope:
- animal-free approaches for chemical safety assessment
- Integrative approaches in human biology and related toxicity pathways to propose and demonstrate scientifically valid means for comprehensive safety assessment of chemicals without animal testing
- Establish the scientific credibility of the approaches for a variety of relevant decision-making contexts and regulatory requirements
- consider involvement with the European Commissions Joint Research Center (JRC) => will collaborate with successful proposals
- seek cooperation with complementary initiatives, industry, regulatory bodies...
SC1-BHC-17-2020: Global Alliance for Chronic Diseases (GACD) 2 – Prevention and/or early diagnosis of cancer

Research and Innovation Action

**SINGLE STAGE**
Total 20 Mio € per project 1 – 3 Mio €

**Scope:**
- GACD stands for implementation research in low and middle income countries, or vulnerable populations in high-income countries!
- The aim is to adapt or upscale the implementation of prevention and/or early diagnosis of cancer in real-life settings
- Proposals must build on interventions with promising or proven effectiveness for the respective population groups under defined contextual circumstances

**Tip!**
- Check funded projects of last GACD calls
- check out GACD as such www.gacd.org
FUNDED PROJECTS FROM PREVIOUS CALLS

2018: GACD - Scaling-up of evidence-based health interventions at population level for the prevention and management of hypertension and/or diabetes

- WHO-PENatScale: Scaling up the WHO-PEN package for diabetes and hypertension in Swaziland: a nation-wide cluster-randomised evaluation of three strategies in Swaziland (WHO-PEN@Scale)
- SCUBY: SCale Up an integrated care package for diaBetes and hYpertension for vulnerable people in Cambodia, Slovenia and Belgium
- INTE-AFRICA: Integrating and decentralising diabetes and hypertension services in Africa
- DIABFRAIL-LATAM: Scaling-up of and evidence-based intervention programme in older people with Diabetes and Frailty in LatinAmerica
- SUNI-SEA: Scaling-up NCD Interventions in South East Asia
SC1-BHC-33-2020
Addressing low vaccine uptake
Research and Innovation Action

SINGLE STAGE
Total 9 Mio €
per project 2 – 3 Mio €

Scope:
• To increase the understanding of the determinants of low vaccine uptake in specific contexts in Europe
• develop strategies to increase vaccination rates
• develop a set of recommendations to be readily implemented by national and regional public health authorities
• Proposals must include social science and public health related disciplines, and create links with existing European and/or international initiatives

Tip!
reference to many ongoing research, and further information in topic footnotes
SC1-BHC-34-2020
New approaches for clinical management and prevention of resistant bacterial infections in high prevalence settings

Research and Innovation Action

SINGLE STAGE
Total 25 Mio € per project 15 Mio €

Scope:
- Identification of best practices, and development/validation of interventions for prevention and clinical management of resistant bacterial infections in high prevalence settings
- Take into account the variety and capacities of local health care/nosocomial infrastructures, and trends of resistance development
- Demonstrate cost effectiveness and feasibility, and study practical implementation in 2 or more European regions with high prevalence levels
- Think globally – knowledge to be used for other countries around the globe including low and middle income countries

Tip!
- EU One Health Action Plan against AMR
SC1-BHC-35-2020
Creation of a European wide sustainable network for harmonised large-scale clinical research studies for infectious diseases

Research and Innovation Action

SINGLE STAGE
Total 30 Mio €, 1 project

Scope:
• European-wide multidisciplinary network providing a platform for a rapid response in the conduction of clinical studies related to severe infections
• Developing new, or making use of existing approaches, to rapidly perform large-scale clinical trials delivering optimal preventive or therapeutic interventions to patients affected by infectious diseases
• Building on successful European projects such as PREPARE, COMBACTE and ECRAID-Plan (CSA from call SC1-HCO-08-2018) and working with existing global networks and infrastructures such as ECRIN.

Tip!
• check new ECRAID „European clinical research alliance on infectious diseases“, launched in January 2019
• COMBACTE (IMI), PREPARE (FP7) projects
SC1-BHC-24-2020: Healthcare interventions for the management of the elderly multimorbid patient

Research and Innovation Action

TWO STAGE (!) 1ST STAGE 24.9.19!
Total 50 Mio €
per project 4 – 6 Mio €

Scope:
• focus on interventions for effective, integrated approaches to improve the management of multimorbid elderly patients, and to support delivery of best care.
• Improve quality of life by targeting individuals and formal and informal care givers
• Proposals may stratify patients, ..., define quality performance indicators for multimorbidity, strengthen cooperation among health professionals...
• may also address aspects of independent living, fragmentation of treatment, polypharmacy, adherence to treatments.
• Health economics, cost effectiveness and inequalities should be addressed.

Definitions
• “multimorbidity”- co-existence of multiple chronic diseases and medical conditions in the same individual
• “elderly population”: > 65 years
SC1-BHC-37-2020: Towards the new generation of clinical trials – trials methodology research

RIA LUMP SUM

SINGLE STAGE, 6 MIO €
Total 6 Mio €, 2-3 Projekte

Scope:
- Methodology research in the field of clinical trials
- develop innovative solutions to improve the design, conduct and analysis of clinical trials
- identify and validate methods that will improve generalizability of evidence generated through differently designed clinical trials
- demonstrate access to adequate clinical trial data sets
- identify best practices to prevent bottlenecks in execution of clinical trial
- focus exclusively on medical devices not in scope
- EMA will support selected consortia in the implementation; also cooperate with relevant CSAs

Tip!
- ECRIN Infrastructure – European Clinical Research Infrastructure Network
Lump sum funding – why?

Focus on performance.

Shift from focus on financial management and checking costs to focus on scientific-technical content of the projects.
Lump sum funding – how?

One (sub-)lump sum is fixed in the grant agreement for each work package.

This amount is paid when the activities in the work package are completed.

As today, payment does not depend on a successful outcome, but on the completion of activities.

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**Lump sum grant: ex-post controls**

**You need**
- Technical documents
- Publications, prototypes, deliverables
- Who did what?
- ...any document proving that the work was done as detailed in Annex 1

**You don't need**
- Time-sheets
- Pay-slips or contracts
- Depreciation policy
- Travel invoices
- ....actual costs

Already the case under the general MGA
SC1-BHC-29-2020: Innovative actions for improving urban health and wellbeing - addressing environment, climate and socioeconomic factors

Research and Innovation Action

TWO STAGE (!) 1ST STAGE 24.9.19!
Total 35 Mio €
per project 4 – 5 Mio €

Scope:
- Build the evidence base of effective policies
- Develop and test effective actions and/or policies for improved urban health, reduced health inequalities and improved environment in Europe
- Proposals could address physical or mental health, or both.
- Possibility to link up internationally with other relevant urban health initiatives
- Include social scientists (e.g. role in behavioural research)

Tip!
include Public Health Institutes, Stakeholders of Smart City Programmes...
SC1-BHC-36-2020
Micro- and nano-plastics in our environment: Understanding exposures and impacts on human health

Research and Innovation Action

SINGLE STAGE
Total 25 Mio €
per project 4 – 6 Mio €

Scope:
• innovative approaches to provide relevant scientific data in support of improved human health hazard and risk assessment of micro and/or nanoplastics (MNPs).
• Possible research priorities (inter alia) (long list!!)
  o Sources for MNP and transmission to humans;
  o Methods for identification and quantification of MNPs in food, environmental media and tissues
  o human biomonitoring
  o Analytical methods
  o Toxicology and uptake of MNP and additives/adsorbed contaminants;
  o Fate in the GI tract, bioaccumulation, cell uptake, targets in organs, immune response
  o plus many more!!
• projects should plan joint activities with other projects

Tip!
• European Strategiy for Plastics in a Circular Economy!!
• possible Austrian partners...Biomonitoring platform/Umweltbundesamt
SC1-DTH-12-2020
Use of Real-world data to advance research on the management of complex chronic conditions

Research and Innovation Action

SINGLE STAGE
Total 41 Mio €
per project 4 – 6 Mio €

Scope:
- (Real world data: any type of data not collected in a randomized trial)
- use of RWD (new, or existing) to improve clinical management of adults with complex chronic conditions
- use of new technologies encouraged (AI, computer modeling)
- proposed intervention should allow better treatment or monitoring, and thus changes in disease progression or therapy response
- assess potential for different health authorities
- rare diseases and infectious diseases excluded. Focus only on self-management not in scope

ICT health SMEs; Apps; HTA; RWD from disease specific professional societies....

Tip!
Implementation research for scaling up and transfer of innovative solutions involving digital tools for people-centred health services

Research and Innovation Action

SINGLE STAGE
Total 20 Mio €
per project 3 – 4 Mio €

Scope:

• Scaling up or transferability of an innovative solution involving digital tools, i.e. condition under which it can be implemented in other health systems => implementation research!
  o Identify innovation solution with potential to enhance people-centered care
  o design and conduct an implementation study
  o identify key aspects for scaling up or transfer, potential barriers,..
  o develop prediction model to help decision-makers decide, and impact on health systems performance

• multidisciplinary: health services and systems research, social sciences, implementation science
• complement or build on existing initiatives, including results of EU-funded projects

Tip!
• in Austria: for example AAL platform
• involve end-users
LIST OF OTHER TOPICS (CSAs, PCP, PPI etc.)

- **SC1-HCO-01-2020**: Actions in support of the International Consortium for Personalised Medicine
- **SC1-HCO-03-2020**: Bridging the divide in health research and innovation – boosting return on investment
- **SC1-HCO-17-2020**: Coordinating and supporting research on the human microbiome in Europe and beyond
- **SC1-HCC-08-2020**: Developing methodological approaches for improved clinical investigation and evaluation of high-risk medical devices
- **SC1-HCO-19-2020**: Reliable and accessible information on cell and gene-based therapies
- **SC1-BHC-20A-2020**: Pre-commercial procurement for integrated care solutions
- **SC1-BHC-20A-2020**: Public procurement of innovative solutions for diagnostics for infectious diseases
- **SC1-HCO-20-2020**: Coordination of clinical research activities of the European Reference Networks
- **SC1-HCC-10-2020**: Towards a Health research and innovation Cloud: Capitalising on data-sharing initiatives in health research

*Detailed descriptions in the pdf (last slides)*
CALL
"DIGITAL TRANSFORMATION IN HEALTH AND CARE"

TOPICS FOR „RESEARCH“ PROJECTS
**SC1-DTH-02-2020**: Personalised early risk prediction, prevention and intervention based on Artificial Intelligence and Big Data technologies

Research and Innovation Action

**SINGLE STAGE**
Total 25 Mio €
per project 4 – 6 Mio €

**Scope:**
- Innovative ICT solutions through data, data analytics, advanced or novel digital technologies, services, products, organizational changes…that lead to more effective health and care systems
- Solutions may address one or multiple conditions and explore ways of inducing adequate personalised preventive measures (e.g. behavioural change, diet, interventions, medication, primary prevention) from advanced predictive models.
- Build on use of data already existing and/or new data generated by individuals, health professionals and other service providers
- include actions aimed at increasing health literacy as well as advancing health and care professionals’ proficiency in novel, data-oriented health services through the use of digital solutions
- No large scale piloting or clinical trials are expected, but should include validation/proof of concept and feasibility demonstration.

Tip!
refers to build on previous project results from topic PHC-21-2015 => check out consortia!
FUNDED PROJECTS FROM PREVIOUS CALLS

**PHC-21-2015: Advancing active and healthy ageing with ICT: Early risk detection and intervention**

- my-AHA: My Active and Healthy Aging
- City4Age: Elderly-friendly City services for active and healthy ageing
- i-PROGNOSIS: Intelligent Parkinson eaRly detectiOn Guiding NOvel Supportive InterventionS
- REACH2020: Responsive Engagement of the Elderly promoting Activity and Customized Healthcare
- FrailSafe: Sensing and predictive treatment of frailty and associated co-morbidities using advanced personalized patient models and advanced interventions
- PreventIT: Early risk detection and prevention in ageing people by self-administered ICT-supported assessment and a behavioural change intervention delivered by use of smartphones and smartwatches
Health in Horizon 2020 – Call 2020

SC1-DTH-04-2020: International cooperation in smart living environments for ageing people

Research and Innovation Action

SINGLE STAGE
Total 10 Mio €
per project 3 – 4 Mio €

Scope:

- New solutions leading to smart living environments for ageing people, supporting independent active and healthy lifestyles
- should provide personalised advice, guidance and follow-up for key age related issues in daily life…e.g. on diet, physical activity, risk avoidance, preventive measures, lifestyle and activity management, leisure, social participation, overall wellness and health….
- should build on intelligent and interoperable ICT environments
- Validation in realistic test sites, such as at home or at care centres
- Should address one of the following international collaboration possibilities: Japan or Canada => needs at least one Japanese/Canadian partner in consortium, but these will be funded nationally through their national agencies

Tip!

- similar topic with Japan in the past (SC1-PM-14-2016)
- mixed experiences with international cooperation topics....
SC1-DTH-06-2020: Accelerating the uptake of computer simulations for testing medicines and medical devices

Research and Innovation Action

SINGLE STAGE
Total 32 Mio €
per project 6 – 8 Mio €

Scope:

• Innovative scientific and technological computer modeling solutions *(used to be: in-silico clinical trials)* for testing medicines and/or medical devices
• Multidisciplinary effort (e.g. within the fields of computational modelling, chemo/bio-informatics, systems biology, pharmacology, -omics, tissue mechanics, biology, pharmaceutics, medicine, physiology, toxicology, social sciences...)
• Measures for validation (human trials, animal studies, validation in cell cultures) of the results must also be included
• Engagement with regulators and consideration of the regulatory framework issues are highly recommended
LIST OF OTHER TOPICS (CSAs, PCP, PPI etc.)

- SC1-HCC-06-2020: Coordination and Support to better data and secure cross-border digital infrastructures building on European capacities for personalised medicine
- SC1-HCC-07-2020: Support for European eHealth Interoperability roadmap for deployment
- SC1-HCC-08-2020: Scaling up innovation for active and healthy ageing
- SC1-HCC-09-2020: Supporting deployment of eHealth in low and lower middle income countries in Africa for better health outcomes

detailed descriptions in the pdf (last slides)
CALL
"TRUSTED DIGITAL SOLUTIONS AND CYBERSECURITY IN HEALTH AND CARE"
DT-ICT-12-2020
AI for the smart hospital of the future

Research and Innovation Action

SINGLE STAGE, Deadline 22nd April 2020
Total 40 Mio €
per project 7 – 10 Mio €

Scope:
• Devise in-facility pilot demonstrators that deliver innovative AI-based solutions in a health and care setting such as a hospital, primary care facility or care home
• Pilots should enable or support clinical, diagnosis and treatment, etc. carried out with clinical outcomes comparable to human delivered procedures and with comparable results.
• Proposals may address any aspect of health facility operations across their range of functions, such as diagnostics, treatments, logistical aspects, etc.
• The deployed solutions should build AI-based systems that combine digital and physical services that support individualised and integrated care solutions in care facilities

co-financed by Health, but published in another Call (ICT-LEIT)

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DT-TDS-04-2020
AI for genomics and personalized medicine

Research and Innovation Action

SINGLE STAGE
Total 35 Mio €
per project up to 10 Mio €

Scope:

• Proposals should demonstrate the potential and benefits of AI technologies for advancing research and personalised medicine through the linking of relevant genomics data and repositories.

• Proposals should develop and test AI solutions for linking genomics repositories across the EU, including banks of "-omics" and health related data, biobanks and other registries, with the view of supporting clinical research and decision making.

• The focus should be to reduce the burden of diseases for which a treatment exists and to apply such treatments in a more targeted way.
HEALTH IN HORIZON 2020 – CALL 2020

DT-TDS-05-2020
AI for health imaging

Research and Innovation Action

SINGLE STAGE, DEADLINE 13.11.2019!
Total 35 Mio €
per project 8-10 Mio €

Scope:

• contribute to testing and developing AI tools and analytics focused on prevention, prediction and treatment of the most common forms of cancer
• also providing solutions to securely share health images across Europe
• Proposals should set up and contribute to populate a large interoperable repository of health images, enabling the development, testing and validation of AI–based health imaging solutions to improve diagnosis, disease prediction and follow-up
• Repository should include high quality, interoperable, anonymised or pseudo-anonymised data sets of annotated cases, based on data donorship
• Proposers should specify measures for validating AI-based solutions for health images, such as the effectiveness of clinical decision making.
• multidisciplinary consortium
HOW TO PREPARE
WHICH COUNTRIES GET FUNDING BY THE EC THROUGH HORIZON 2020?

Everyone can participate, but the eligibility for funding is according to country groups....

1. **EU members, associated countries, low income countries**: eligible for funding

2. **Industrial countries and Emerging economies (incl. BRIC, Mexiko)**
   - in principle, not eligible for funding, have to find the resources for their part of the action
   - several countries have created co-fund mechanisms
   - **But: can receive funding in exceptional circumstances:**
     - there is a bilateral agreement between that country and the EU
     - their participation is deemed by the EC to be essential for carrying out the action.
     - the country is explicitly identified in the relevant call for proposal as being eligible for funding

=> in Health, this is the case for US participants, they are eligible for funding!!
PROPOSAL STRUCTURE – SINGLE STAGE VS TWO STAGE

1. **Excellence**
   - 1.1 Objectives
   - 1.2 Relation to the work programme
   - 1.3 Concept and methodology
   - 1.4 Ambition

2. **Impact**
   - 2.1 Expected impacts
     - 2.2 Measures to maximise impact
       a) Dissemination and exploitation of results
       b) Communication activities

3. **Implementation**
   - 3.1 Work plan - Work packages, deliverables
   - 3.2 Management structure, milestones and procedures
   - 3.3 Consortium as a whole
   - 3.4 Resources to be committed

4. **Members of the consortium**
   - 4.1 Participants (applicants)
   - 4.2 Third parties involved in the project (including use of third party resources)

5. **Ethics and Security**
   - 5.1 Ethics
   - 5.2 Security

**3 Evaluation criteria**
- Excellence => maximal 5 points
- Impact => maximal 5 points
- Implementation => maximal 5 points

1st stage => 10 pages!
TWO STAGE DEADLINES - PROCEDURE

- page limit 10 pages
- Information about Stage 1 result ~ January 2020
  - Successful proposals => receive only invitation to proceed to Stage 2
  - Rejected proposals: receive Evaluation Summary Reports (feedback)

FOR MORE INFO:
Tipps on 1st stage in Health (in German!)
[https://www.ffg.at/sites/default/files/ffg_tipps_1stufe_health2019.pdf](https://www.ffg.at/sites/default/files/ffg_tipps_1stufe_health2019.pdf)
HOW TO FIND PARTNERS

• Use existing networks!!
• Search databases, publications, social media, existing projects, etc.
• Partnersearch on the Funding & Tenders Portal
• For Social Sciences Partners: https://sshresearchdirectory.eu/
FAQs ON THE FUNDING & TENDERS PORTAL

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/faq
STATISTICS AND LESSONS LEARNED
STATISTICS FOR AUSTRIA – HEALTH CHALLENGE „CORE“
(Not included: SME Instrument, Innovative Medicine Initiative....)

<table>
<thead>
<tr>
<th></th>
<th>Evaluated</th>
<th>Funded</th>
<th>Success Rate</th>
<th>Share of Austria in Total in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participants</td>
<td>1114</td>
<td>127</td>
<td>11,4%</td>
<td>2,4%</td>
</tr>
<tr>
<td>Coordinators (in brackets: 1st stage rejections)</td>
<td>102 (+102)</td>
<td>9</td>
<td>8,8%</td>
<td>2,0%</td>
</tr>
<tr>
<td>Funding</td>
<td>590 Mio €</td>
<td>63,4 Mio €</td>
<td>10,7%</td>
<td>2,6%</td>
</tr>
</tbody>
</table>

2018 very successful year for Austria
• 31 participations
• 3 coordinators
• 18,8 Mio € funding
• success rate 20,8%
**TOP 10 ORGANISATIONS IN HEALTH „CORE“**
**RANKED BY PARTICIPATIONS, EC CONTRIBUTION ALSO SHOWN**

<table>
<thead>
<tr>
<th>Name of Organisation</th>
<th>Country</th>
<th>Participations</th>
<th>EC contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 INSERM</td>
<td>FR</td>
<td>58</td>
<td>46,7 Mio €</td>
</tr>
<tr>
<td>2 Karolinska Institutet</td>
<td>SE</td>
<td>51</td>
<td>35,1 Mio €</td>
</tr>
<tr>
<td>3 University College London</td>
<td>UK</td>
<td>40</td>
<td>30,3 Mio €</td>
</tr>
<tr>
<td>4 Erasmus Universitair Medisch Centrum Rotterdam</td>
<td>NL</td>
<td>39</td>
<td>27,6 Mio €</td>
</tr>
<tr>
<td>5 Katholieke Universiteit Leuven</td>
<td>BE</td>
<td>33</td>
<td>17,5 Mio €</td>
</tr>
<tr>
<td>6 University Of Oxford</td>
<td>UK</td>
<td>32</td>
<td>36 Mio €</td>
</tr>
<tr>
<td>7 Academisch Ziekenhuis Leiden</td>
<td>NL</td>
<td>27</td>
<td>25,3 Mio €</td>
</tr>
<tr>
<td>8 Stichting Katholieke Universiteit</td>
<td>NL</td>
<td>25</td>
<td>24,1 Mio €</td>
</tr>
<tr>
<td>9 University Of Cambridge</td>
<td>UK</td>
<td>25</td>
<td>18,5 Mio €</td>
</tr>
<tr>
<td>10 Charite Berlin</td>
<td>DE</td>
<td>25</td>
<td>22,6 Mio €</td>
</tr>
<tr>
<td>.....</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>22 Medizinische Universität Wien</td>
<td>AT</td>
<td>18</td>
<td>8,5 Mio €</td>
</tr>
</tbody>
</table>
TOP 10 ORGANISATIONS IN HEALTH „CORE“
RANKED BY EC CONTRIBUTION, PARTICIPATIONS ALSO SHOWN

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country</th>
<th>EC contribution</th>
<th>Participations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Germany</td>
<td>375 Mio €</td>
<td>662</td>
</tr>
<tr>
<td>2</td>
<td>UK</td>
<td>358 Mio €</td>
<td>627</td>
</tr>
<tr>
<td>3</td>
<td>Netherlands</td>
<td>284 Mio €</td>
<td>457</td>
</tr>
<tr>
<td>4</td>
<td>France</td>
<td>235 Mio €</td>
<td>452</td>
</tr>
<tr>
<td>5</td>
<td>Italy</td>
<td>196 Mio €</td>
<td>476</td>
</tr>
<tr>
<td>6</td>
<td>Spain</td>
<td>190 Mio €</td>
<td>457</td>
</tr>
<tr>
<td>7</td>
<td>Belgium</td>
<td>118 Mio €</td>
<td>288</td>
</tr>
<tr>
<td>8</td>
<td>Sweden</td>
<td>89 Mio €</td>
<td>169</td>
</tr>
<tr>
<td>9</td>
<td>Denmark</td>
<td>67 Mio €</td>
<td>142</td>
</tr>
<tr>
<td>10</td>
<td>Austria</td>
<td>63 Mio €</td>
<td>127</td>
</tr>
</tbody>
</table>
SUCCESS RATES – SINGLE STAGE CALLS

<table>
<thead>
<tr>
<th>Single Stage Call 2018</th>
<th>Two stage Call 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Average success rate 16%</td>
<td>• 7 topics</td>
</tr>
<tr>
<td>• varies a lot depending on type of project, and on topic</td>
<td>o 524 proposals submitted</td>
</tr>
<tr>
<td>• =&gt; range from 7% to 50%</td>
<td>o 138 invited to 2nd stage =&gt; 26% success rate</td>
</tr>
<tr>
<td>• (in exceptional cases 100%)</td>
<td>o 2nd stage: 16th of April 2019</td>
</tr>
<tr>
<td></td>
<td>o Expected success rate 2nd stage: between 30% and 60%!</td>
</tr>
</tbody>
</table>
OTHER LESSONS LEARNED

Consortia
- „Geography“ not important any more
- many projects have several partners from one country
- if possible, involve end-users

US Partners
- get funded in Health/H2020
- good as partners, but would not advice to coordinate
- many have been successful => ask for advice on legal and financial issues

Criterion „Excellence“
- most points lost on „Soundness and credibility“

Criterion „Impact“
- most points lost on „Measures to exploit and disseminate“
- when companies are involved: weak exploitation plans
- no end-user involvement

Reasons for failure
- most projects below threshold fail because of „Excellence“
- most projects above threshold (but not funded) lose crucial points in the „Implementation“ chapter!

Criterion „Implementation“
- most points lost on „Coherence and effectiveness of work plan“, and on „Appropriateness of the Management“

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OTHER FUNDING OPPORTUNITIES HORIZON 2020

OUTLOOK HORIZON EUROPE
OTHER FUNDING OPTIONS IN HORIZON 2020

Fast Track to Innovation
- thematically bottom-up
- 3-5 partners
- very close to the market
- Next deadlines: 23rd of May and 22nd of October 2019
- Info [https://www.ffg.at/ausschreibungen/h2020_fti](https://www.ffg.at/ausschreibungen/h2020_fti)

SME Instrument
- thematically bottom-up, single company funding
- several Deadlines/year
- Info [https://www.ffg.at/ausschreibungen/horizon2020_kmu](https://www.ffg.at/ausschreibungen/horizon2020_kmu)

Innovative Medicines Initiative 2.0
- public-private initiative between EC and EFPIA
- new call opens soons, several interesting topics, examples:
  - Central repository of digital pathology slides to support the development of artificial intelligence tools
  - Accelerating research & development for advanced therapy medicinal products
- Contact: astrid.flandorfer@ffg.at

- many other bottom up possibilities in ERC, MSCA, FET (see next slide!)
- or in other cooperative programmes...ICT, Nanotechnology, Advanced materials...
- Active and Assisted Living Programme
<table>
<thead>
<tr>
<th>European Research Council (ERC)</th>
<th>Marie Skłodowska-Curie Activities</th>
<th>European Cooperation in S&amp;T (COST)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding for excellent scientists and their teams</td>
<td>Career development and transnational mobility, e.g.:</td>
<td>Open, inclusive Pan-European research &amp; innovation networks</td>
</tr>
<tr>
<td>• Starting Grants</td>
<td>• Personalized research projects in Europe and beyond (Individual Fellowships)</td>
<td>• Get funding for travel costs</td>
</tr>
<tr>
<td>• Advanced Grants</td>
<td>• International training networks for young researchers (ITN)</td>
<td>• Participate in Training Schools &amp; Short Term Scientific Missions</td>
</tr>
<tr>
<td>• Consolidator Grants</td>
<td>• Knowledge transfer through staff exchange (RISE)</td>
<td>• Become part of running COST Actions</td>
</tr>
<tr>
<td>• Synergy Grants</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## HORIZON EUROPE – 100 BILLION (MRD) €

### PROGRAMMES

<table>
<thead>
<tr>
<th>New knowledge, skills and technologies</th>
<th>Research and innovation to tackle global challenges</th>
<th>Innovation and market entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent Science</td>
<td>Global Challenges and European Industrial Competitiveness</td>
<td>Innovative Europe</td>
</tr>
<tr>
<td>- European Research Council (ERC)</td>
<td>- <strong>Health</strong></td>
<td>- European Innovation Council (EIC)</td>
</tr>
<tr>
<td>- Marie-Skłodowska-Curie-Actions</td>
<td>- Culture, creativity and inclusive society</td>
<td>- European Innovation ecosystems</td>
</tr>
<tr>
<td>- Research Infrastructures</td>
<td>- Civil security for Society</td>
<td>- The European Institute of Innovation and Technology (EIT)</td>
</tr>
<tr>
<td></td>
<td>- Digital, Industry and Space</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Climate, Energy and Mobility</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Food, Bioeconomy, Natural Resources, Agriculture and Environment</td>
<td></td>
</tr>
<tr>
<td><img src="icon.png" alt="Icon" /></td>
<td><img src="icon.png" alt="Icon" /></td>
<td><img src="icon.png" alt="Icon" /></td>
</tr>
<tr>
<td>25.8 Mrd.</td>
<td>52.7 Mrd.</td>
<td>13.5 Mrd.</td>
</tr>
</tbody>
</table>

### Widening participation and strengthening the European Research Area
- Widening participation and Spreading excellence
- Reforming and enhancing the European R&I System
- 2.1 Mrd.
<table>
<thead>
<tr>
<th>Clusters</th>
<th>Areas of intervention</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>• Health throughout the life course</td>
</tr>
<tr>
<td></td>
<td>• Environmental and social health determinants</td>
</tr>
<tr>
<td></td>
<td>• Non-communicable and rare diseases</td>
</tr>
<tr>
<td></td>
<td>• Infectious diseases</td>
</tr>
<tr>
<td></td>
<td>• Tools, technologies and digital solutions for health and care</td>
</tr>
<tr>
<td></td>
<td>• Health care systems</td>
</tr>
<tr>
<td>Culture, creativity and inclusive society</td>
<td>• Democracy and Governance</td>
</tr>
<tr>
<td></td>
<td>• Culture, cultural heritage and creativity</td>
</tr>
<tr>
<td></td>
<td>• Social and economic transformations</td>
</tr>
<tr>
<td>Civil Security for Society</td>
<td>• Disaster-resistant societies</td>
</tr>
<tr>
<td></td>
<td>• Protection and Security</td>
</tr>
<tr>
<td></td>
<td>• Cybersecurity</td>
</tr>
<tr>
<td>Digital and Industry</td>
<td>• Manufacturing technologies</td>
</tr>
<tr>
<td></td>
<td>• Key digital technologies, incl. quantum techs</td>
</tr>
<tr>
<td></td>
<td>• Emerging enabling technologies</td>
</tr>
<tr>
<td></td>
<td>• Advanced materials</td>
</tr>
<tr>
<td></td>
<td>• Artificial intelligence and robotics</td>
</tr>
<tr>
<td></td>
<td>• Next generation internet</td>
</tr>
<tr>
<td></td>
<td>• Advanced computing and Big Data</td>
</tr>
<tr>
<td></td>
<td>• Circular industries</td>
</tr>
<tr>
<td></td>
<td>• Low carbon and clean industries</td>
</tr>
<tr>
<td></td>
<td>• Space, including Earth Observation</td>
</tr>
<tr>
<td>Climate, Energy and Mobility</td>
<td>• Climate science and solutions</td>
</tr>
<tr>
<td></td>
<td>• Energy supply</td>
</tr>
<tr>
<td></td>
<td>• Energy systems and grids</td>
</tr>
<tr>
<td></td>
<td>• Buildings and industrial facilities in energy transition</td>
</tr>
<tr>
<td></td>
<td>• Communities and cities</td>
</tr>
<tr>
<td></td>
<td>• Industrial competitiveness in transport</td>
</tr>
<tr>
<td></td>
<td>• Clean safe and accessible transport and mobility</td>
</tr>
<tr>
<td></td>
<td>• Smart mobility</td>
</tr>
<tr>
<td></td>
<td>• Energy storage</td>
</tr>
<tr>
<td>Food and Natural Resources</td>
<td>• Environmental observation</td>
</tr>
<tr>
<td></td>
<td>• Biodiversity and natural resources</td>
</tr>
<tr>
<td></td>
<td>• Agriculture, forestry and rural areas</td>
</tr>
<tr>
<td></td>
<td>• Sea, oceans and inland waters</td>
</tr>
<tr>
<td></td>
<td>• Food systems</td>
</tr>
<tr>
<td></td>
<td>• Bio-based innovation systems in the EU bioeconomy</td>
</tr>
<tr>
<td></td>
<td>• Circular systems</td>
</tr>
</tbody>
</table>
HORIZON EUROPE – „MISSIONS“

• To pursue great goals - to have a strong impact
• Small number of "visible" missions, shared design between EC, MS and stakeholders
• Inclusion of society, cross-sectoral and multidisciplinary orientation

Mission Areas:

1. Adaptation to Climate Change, including Societal Transformation
2. Cancer
3. Healthy Oceans, Seas, Coastal and Inland Waters
4. Climate-Neutral and Smart Cities
5. Soil Health and Food

Mission boards 15 Experts: call for expression of interest will open soon!!
TOPICS NOT SHOWN
**SC1-HCO-01-2020**

**Actions in support of the International Consortium for Personalised Medicine**

Coordination and Support Action

**SINGLE STAGE**

Total 4 Mio €

per project 1.5 – to 2 Mio €

**Scope 2020:**

- Action should focus on building links with third countries by analysing the potential and advantages of collaboration in personalised medicine (PM) with those countries. For the 2020 call, the project should focus on the African Union as a group of countries.

- (ICPerMed secretariat: The project should continue the work done by the secretariat for ICPerMed)

**Tip!**

- different subtopics each year...check funded projects at the end of 2018 and 2019
- BBMRI and B3Africa project
SC1-HCO-03-2020:
Bridging the divide in health research and innovation – boosting return on investment

Coordination and Support Action

SINGLE STAGE, 2 MIO €
Total 2 Mio €, 1 project

Scope:
• For the benefit of health R&I in widening countries
• improve governance and managerial practices
• increase the organisations’ international profile
• HR policies to attract and retain talents
• create a culture that rewards scientific performance and innovation

? Only for widening countries; current projects?
**SC1-HCO-17-2020**

Coordinating and supporting research on the human microbiome in Europe and beyond

Coordination and Support Action

**SINGLE STAGE**
Total 2 Mio €, 1 project

**Scope:**

- Platform for collaboration and agreements across various R&I programmes on human microbiome, including also nutritional and environmental aspects
- agreements e.g. on sample collection, processing, standardization, healthy states reference...
- support agreement of concrete references of healthy human metagenomes across various different populations
- Map progress and state-of-play for specific disease and health issues
- Propose strategic research agendas for future actions
- international cooperation encouraged

Tip!

Austrian Microbiome Initiative AMICI;
AIT coordinates CSA Microbiome and Food
SC1-HC0-18-2020:
Developing methodological approaches for improved clinical investigation and evaluation of high-risk medical devices

Coordination and support Action

SINGLE STAGE
Total 2 Mio €, 1-2 Projekte

Scope:
• Based on the new medical devices regulation that comes into effect in spring 2020
• Reinforced rules for the generation of clinical evidence for high risk devices become compulsory
• Exchange of best practices among notified bodies
• Develop methodologies for generating clinical data on high risk medical devices
• Support networking activities among developers and particular academic centers

Regulatory bodies; Austromed, MedTech Clusters; LISA; TÜV Austria...
SC1-HCO-19-2020
Reliable and accessible information on cell and gene-based therapies

Coordination and support action

SINGLE STAGE
Total 2 Mio €, 1 project

Scope
- Strategies to convey accurate and up-to-date information on cell- and gene based therapies using multiple contemporary modalities, including a website
- Expertise on human stem cells, regenerative medicine, genome editing and gene therapy
- Strategy how to liaise with regulatory agencies (EMA, the Heads of Medicines Agencies network, EUnetHTA network)
- consortium of diverse actors (e.g. science communication, patients’ representatives, industry, SME, clinical and academic researchers…….)
SC1-HCO-20-2020
Coordination of clinical research activities of the European Reference Networks

Coordination and Support Action

SINGLE STAGE
Total 2 Mio €, 1 project

Scope:

• Enhancing research and innovation capacity of the ERNs in view of achieving IRDiRC goals for bringing new diagnostic tools and therapies more efficiently to the patients

• Support to identify research priorities and synergies among ERNs, coordinate R&I activities to be tackled commonly by ERNs

• Proposals shall aim at engaging all approved ERNs

Tip!

ERNs (childhood cancer; DEBRA; etc.)
HEALTH IN HORIZON 2020 – CALL 2020

SC1-BHC-20A-2020:
Pre-commercial procurement for integrated care solutions

SC1-BHC-20A-2020:
Public procurement of innovative solutions for diagnostics for infectious diseases

PPI und PCP

SINGLE STAGE
Total 25 Mio €
per project PCP 5-6 Mio €, PPI 3-5 Mio €

Scope:
• PCP: procure together the development of innovative integrated care solutions
• PPI: implementation of rapid diagnostic tools for infectious diseases in clinical practice

Tip!
not a research project! Aimed at public procurers (e.g. hospitals, ministries, insurers...)

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SC1-HCC-10-2020
Towards a Health research and innovation Cloud: Capitalising on data-sharing initiatives in health research

Coordination and support action

SINGLE STAGE
Total 3 Mio €, 1 project

Scope:
• Design an implementation roadmap for a FAIR (findable-accessible-interoperable-reusable) data portal
• contribute to European Open Science Cloud
• build community
• produce guidelines for researchers to contribute to the proper application of GDPR regulation
• Implement two pilot studies to demonstrate the benefit of data sharing across healthcare continuum

Tip!

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PCP – Pre commercial procurement

SINGLE STAGE
Total 10 Mio €
per project 5 – 6 Mio €

Scope:
• Support the health and care service providers to procure the development of digital services and that can facilitate the transition to integrated care models across health and social services
• Key areas that could be addressed by ICT-based solutions: patient empowerment, self-management, patient safety, patient involvement, chronic disease management, diagnosing, hospital and home care logistics, skills and independent living

Tip!
Public and private procurers!

check out existing PCPs, e.g.
https://proempower-pcp.eu/
https://stars-pcp.eu/
SC1-HCC-06-2020
Coordination and Support to better data and secure cross-border digital infrastructures building on European capacities for personalised medicine

Coordination and Support Action

SINGLE STAGE
Total 4 Mio €, 1 project

Scope:
- consolidate knowledge from existing initiatives and projects to identify the most appropriate practice, standards and governance models for establishing cross-border digital infrastructures supporting genomics research and personalized medicine in Europe
- develop coordination mechanism for sharing expertise and for securely linking genomic and other health data
- facilitate exchange of best practices between relevant R&I projects
- ...

Tip!
1Mio. Genome Declaration

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HEALTH IN HORIZON 2020 – CALL 2020

SC1-HCC-07-2020: Support for European eHealth Interoperability roadmap for deployment

Coordination and support action

SINGLE STAGE
Total 2 Mio €, 1 project

Scope:
- Propose coherent package of activities involving a significant number of citizens in all Member States accessing and providing their own health data in platforms.
- Interoperability of electronic health records across national borders, the empowered European citizen, compliance with the relevant legislation, operation in a European digital single market.
- Contributions for better data and approaches to advance disease prevention and personalised medicine.
SC1-HCC-08-2020
Scaling up innovation for active and healthy ageing

Coordination and support action

SINGLE STAGE
Total 2 Mio €, 1 project

Scope:
- support to supply and demand sides in cooperation and implementing scaling up strategies (technology, integration of health and social care, systemic change)
- long-term investment strategy, leveraging and blending funding sources, from programmes/promotional banks and private investment
- financial support for upscaling measures and large-scale deployment
- option for financial support to third parties (e.g. twinning programmes and capacity building)
- strategies for implementation of transformative solutions and change management, in particular:
  - mHealth solutions for active and healthy ageing
  - smart age-friendly homes and independent living
  - chronic disease management

Tip!
EIP-AHA: European Innovation Partnership on Active and Healthy Ageing
SC1-HCC-09-2020
Supporting deployment of eHealth in low and lower middle income countries in Africa for better health outcomes

Coordination and Support action

SINGLE STAGE
Total 2 Mio €, 1 project

Scope:
- Support to coordination of a registry of relevant e-Health solutions in African developing countries or regions
- Roadmap and strategic implementation plans building on the requirements of end-user communities
- Taking into account national and regional specifics regarding health and care services and health infrastructures
- Regional and international workshops and a set of communication and dissemination actions to support the deployment of e-Health services

Tip!
EOSC Kooperation AT Ethiopia; BBMRI, B3Africa;
Dr. Astrid Hoebertz
National Contact Point for „Health, demographic change and wellbeing“

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THANK YOU FOR YOUR ATTENTION