New funding opportunities in the Health area and support at UiB

Societal Challenge 1 Work Programme “Health, Demographic Change and Wellbeing”

Corina Guder
Research Advisor FA, BOA-Team
Support from the BOA Team

- Mobilisation & positioning
- **Advice and support throughout the application phase**
- Contract negotiations
- Budgeting and financial reporting
- IPR
- Employment terms: charter & code
- Researcher profile and outreach
- CV & bibliometrics

http://www.uib.no/boa
# UiBs Local Contact Points

<table>
<thead>
<tr>
<th>Advisor</th>
<th>Contact info</th>
<th>Area of expertise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anders, Katie</td>
<td><a href="mailto:Katie.anders@uib.no">Katie.anders@uib.no</a></td>
<td>FET, SC1, IMI</td>
</tr>
<tr>
<td>Babatunde, Emmanuel</td>
<td><a href="mailto:emmanuel.babatunde@uib.no">emmanuel.babatunde@uib.no</a></td>
<td>MSCA, SWAFS, SC3, EEA</td>
</tr>
<tr>
<td>Fjellbirkeland, Anne</td>
<td><a href="mailto:anne.fjellbirkeland@uib.no">anne.fjellbirkeland@uib.no</a></td>
<td>INFRA-EU &amp; NFR, LEIT-Biotech, SC2</td>
</tr>
<tr>
<td>Guder, Corina</td>
<td><a href="mailto:corina.guder@uib.no">corina.guder@uib.no</a></td>
<td>SC4, SC5, SC7</td>
</tr>
<tr>
<td>Hegen, Anja</td>
<td><a href="mailto:anja.hegen@uib.no">anja.hegen@uib.no</a></td>
<td>ERC, COST, SFF, SFI, FME</td>
</tr>
<tr>
<td>Irgan, Vibeke K.</td>
<td><a href="mailto:vibeke.irgan@uib.no">vibeke.irgan@uib.no</a></td>
<td>LEIT ICT, LEIT-Nano, SC6</td>
</tr>
</tbody>
</table>
Support for your EU application

- Reading & interpreting call text
- Underpinning policy (how/ by whom the call was developed)
- Matchmaking, partner searching & consortium building
- Support and advice throughout the writing process
- Impact, output & research exploitation
- Ethics and RRI
- Developing a business plan
- Communication and dissemination
- Data management plan
- Thorough pre-submission application review
- Budget & finance
SC1- Health demographic change and wellbeing

Contact persons in the Research Council of Norway:

Kristin Andersen
Tlf. +47 22 03 75 23
kran@rcn.no

Berit Nygaard
Tlf: +47 92 65 79 42
bn@rcn.no

Benedicte Sognefest
Tlf. +47 90 94 65 14
beso@rcn.no

Lars Petter Korsnes
Tlf. +47 97 74 97 66
lpk@rcn.no
H2020; Work programs, topics

Horizon 2020, 7 years

Strategic Program 1

Strategic Program 2

Strategic Program 3

WP 1: 2014/15

WP 2: 2016/17

Structure of Horizon 2020

**Excellent Science (24.4 B €)**
- European Research Council (13.1 B €)
- Future and Emerging Technologies (2.7 B €)
- Marie Skłodowska-Curie Actions (6.1 B €)
- Research Infrastructures (2.5 B €)

**Industrial Leadership (17 B €)**
- LEIT = Leadership in enabling and industrial technologies
  - ICT
  - Nano, new materials
  - Biotechnology
  - Space (13.5 B €)
- Access to Risk Finance (2.9 B €)
- Innovation in SMEs (0.6 B €)

**Societal Challenges (29.7 B €)**
- Health (7.5 B €)
- Food (3.9 B €)
- Energy (6 B €)
- Transport (6.3 B €)
- Climate (3 B €)
- Inclusive Societies (1.3 B €)
- Security (1.7 B €)

**Spreading Excellence (0.8 B €)**

**Science for Society (0.5 B €)**
- EIT (2.7 B €)
- JRC (1.9 B €)
- Euratom (1.6 B €)
How to apply?

Research Participant Portal
• Application
• Project administration
• Information on funding opportunities
• Support
• Expert registration and evaluation process

Excellent Science

European Research Council ERC

Attractive, long-term funding to support excellent investigators and their research teams to pursue ground-breaking, high-gain/high-risk research.

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Eligible PIs</th>
<th>Contribution</th>
<th>Deadline 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starting Grant</td>
<td>2-7 y after PhD</td>
<td>1,5 mill EUR/5y</td>
<td>17.10.2017</td>
</tr>
<tr>
<td>Consolidator Grant</td>
<td>7-12 y after PhD</td>
<td>2 mill EUR/5y</td>
<td>15.02.2018</td>
</tr>
<tr>
<td>Advanced Grant</td>
<td>no restriction</td>
<td>2,5 mill EUR/5y</td>
<td>30.08.2018</td>
</tr>
<tr>
<td>Synergy Grant</td>
<td>no restriction, 2-4 PIs</td>
<td>10 mill EUR/6y</td>
<td>(14.11.2017)</td>
</tr>
<tr>
<td>Proof-of-Concept</td>
<td>for ERC grantees</td>
<td>150.000 EUR/18m</td>
<td>4 cut-off dates</td>
</tr>
</tbody>
</table>
Excellent Science

Marie Skłodovska-Curie Actions

Equipping researchers with the new knowledge, skills and international and intersectoral exposure to fill the top positions of tomorrow and solve current and future societal challenges.

Mobility!

MSCA-ITN-2018: Innovative Training Networks: ESRs (PhD level)
Deadline: January

MSCA-IF-2018: Individual Fellowships: ERs (Post doc level)
Deadline: September
→ Bergen MSCA Master Class pilot
Societal Challenges: top-down

*Societal Challenges approach:*

*Not*
“Where can I find funding for my research?”

*but*
“How can I use my competence to solve the challenge described in this call?”

*(Simula)*
**Project types**

**RIA = Research and Innovation Action**
- establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. Basic and applied research
- 100% funding

**IA = Innovation Action**
- new/improved products, processes or services
- 100% funding for non-profit legal entities, else 70%

**CSA = Coordination and Support Actions**
- Standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies.
- 100% funding
Minimum requirements

- At least 3 partner countries (EU, AC)
- Clinical Trials: extra template to be filled

Success factors

- New idea/solution
- Address all aspects in the Call (Scope)
- Address all Expected Impacts
- Carefully built consortium addressing all aspects
- Long-term collaboration between core partners
- Good time for project development/proposal preparation
- Experienced coordinator
- SME participation
- Building on earlier EU projects
SC1 2018-2020; Structure and themes

1) 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

2) Digital transformation in Health and Care

3) Trusted digital solutions and Cybersecurity in Health and Care
Call: Better health and care, economic growth and sustainable health systems, 1.1., 1.2, 1.3, 1.4, 1.5

06 FEB 2018 (First stage),
04 SEPT 2018 (second stage)

02 Oct 2018, (First stage),
16 APR 2019 (second stage)

18 APR 2018
16 APR 2019

Calls Digital Transformation and Trusted Digital Solutions

24 APR 2018
14 NOV 2018
24 APR 2019
### 1.1 Personalised medicine 2018/2019

<table>
<thead>
<tr>
<th>SC1 TOPICS title</th>
<th>Type</th>
<th>Single Stage/2-Stage</th>
<th>Budg./topic</th>
<th>Budg./prop.</th>
<th>deadline</th>
<th>Prop to be funded appr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC1-BHC-02-2019 Systems approaches for the discovery of complex disorders</td>
<td>RIA</td>
<td>2 stage</td>
<td>50 mill</td>
<td>4-6 mill</td>
<td>02.10.2018 16.april 2019</td>
<td>10</td>
</tr>
<tr>
<td>SC1-BHC-03-2018 Exploiting research outcomes and application potential of the human microbiome for personalised prediction, prevention and treatment of disease</td>
<td>RIA</td>
<td>2-stage</td>
<td>50 mill</td>
<td>10-15 mill</td>
<td>18.04.2018</td>
<td>4</td>
</tr>
<tr>
<td>SC1-BHC-04-2018 (ex-10): Rare Disease Joint Programme Co-Fund</td>
<td>EJP</td>
<td>Single stage</td>
<td>55 mill</td>
<td>45-50 mill</td>
<td>18.04.2018</td>
<td>1</td>
</tr>
<tr>
<td>SC1-HCO-02-2018 (ex-CSA9): Data integration and data-driven in-silico models for enabling personalised medicine - a European standardization framework</td>
<td>CSA</td>
<td>single-stage</td>
<td>2,00</td>
<td></td>
<td>18.04.2018</td>
<td>1</td>
</tr>
<tr>
<td>SC1-HCO-04-2018 (ex-NEW CSA12): ERA-NET to support the Joint Programming in Neurodegenerative Diseases strategic plan (JPND)</td>
<td>ERA-NETCo-Fund</td>
<td>single stage</td>
<td>5,00</td>
<td>5 mill</td>
<td>18.04.2018</td>
<td>1</td>
</tr>
</tbody>
</table>

**Areas of application include chronic, rare and communicable diseases.**

**Targets any type of population, including children, the ageing population and high-risk groups.**
### 1.2 Innovative health and care industry 2018/2019

<table>
<thead>
<tr>
<th>SC1 TOPICS title</th>
<th>Type</th>
<th>Single Stage/2-Stage</th>
<th>Budg./topic</th>
<th>Budg./pro</th>
<th>deadline</th>
<th>Prop to be funded/appr</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC1-BHC-07-2019: Regenerative medicine: from new insights to new applications</td>
<td>RIA</td>
<td>Single stage</td>
<td>50 mill</td>
<td>6-8 mill</td>
<td>16.04.2019</td>
<td>7</td>
</tr>
<tr>
<td>SC1-HCO-05-2018: Strengthen Regulatory Sciences and support for successful regulatory Scientific Advice</td>
<td>CSA</td>
<td>single-stage</td>
<td>2,00</td>
<td></td>
<td>18.04.2018</td>
<td>1</td>
</tr>
</tbody>
</table>

- **innovative diagnostics and therapeutics**,  
- **advanced therapies**,  
- **SME focus**
### 1.3 Infectious diseases and improving global health 2018/2019

<table>
<thead>
<tr>
<th>SC1 TOPICS title</th>
<th>Type.</th>
<th>Single Stage/2-Stage</th>
<th>Budg./topic</th>
<th>Budg./prop</th>
<th>deadline</th>
<th>Prop to be funded, appr</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC1-BHC-14-2019: Stratified host-directed approaches to improve prevention, treatment and/or cure of infectious diseases</td>
<td>RIA</td>
<td>2-Stage</td>
<td>95 mill</td>
<td>6-10 mill</td>
<td>02.10.2018 16.april 2019</td>
<td>13</td>
</tr>
<tr>
<td>SC1-BHC-16-2018: Interventions at management of public health emergencies</td>
<td>RIA</td>
<td>2-Stage</td>
<td>140 mill</td>
<td>6-10 mill</td>
<td>02.10.2019 16.april 2019</td>
<td>7</td>
</tr>
<tr>
<td>SC1-BHC-17-2018: European and the Community of Latin American and Caribbean States (CELAC)</td>
<td>RIA</td>
<td>2-Stage</td>
<td>100 mill</td>
<td>6-10 mill</td>
<td>02.10.2019 16.april 2019</td>
<td>4</td>
</tr>
<tr>
<td>SC1-BHC-18-2019: Health</td>
<td>RIA</td>
<td>2-Stage</td>
<td>100 mill</td>
<td>6-10 mill</td>
<td>02.10.2019 16.april 2019</td>
<td>4</td>
</tr>
<tr>
<td>SC1-BHC-21-2019: HCV in patients context of fostering global collaboration</td>
<td>RIA</td>
<td>2-Stage</td>
<td>100 mill</td>
<td>6-10 mill</td>
<td>02.10.2019 16.april 2019</td>
<td>4</td>
</tr>
<tr>
<td>SC1-HCO-06-2018: Establishment of an International Network of Social Sciences Research Centres to help address governance and other challenges in the preparedness for and the response to infectious threats</td>
<td>CSA</td>
<td>single-stage</td>
<td>3,00</td>
<td>2-3 mill</td>
<td>16.04.2019</td>
<td>1</td>
</tr>
<tr>
<td>SC1-HCO-08-2019: Creation of a European wide sustainable clinical research networks for infectious diseases</td>
<td>CSA</td>
<td>single-stage</td>
<td>3,00</td>
<td>2-3 mill</td>
<td>16.04.2019</td>
<td>1</td>
</tr>
<tr>
<td>SC1-HCO-09-2018: Building international efforts on cohorts</td>
<td>CSA</td>
<td>single-stage</td>
<td>2,00</td>
<td>1,00</td>
<td>18.04.2018</td>
<td>1</td>
</tr>
<tr>
<td>SC1-HCO-10-2018: Coordinating European brain research and developing global initiatives</td>
<td>CSA</td>
<td>single-stage</td>
<td>2,00</td>
<td>1,00</td>
<td>18.04.2018</td>
<td>1</td>
</tr>
<tr>
<td>SC1-HCO-11-2018: Strategic collaboration in health research and innovation between EU and China</td>
<td>CSA</td>
<td>single-stage</td>
<td>1,00</td>
<td>1,00</td>
<td>18.04.2018</td>
<td>1</td>
</tr>
</tbody>
</table>

**Topics:**
- **public health emergencies**
- **poverty-related and neglected diseases**
- **maternal and newborn health**
- **global collaboration on non-communicable diseases**
- **brain research**
### 1.4 Innovative health and care systems - Integration of care 2018/2019

- **management of chronic diseases and health promotion**
- **development of health technology assessment methods**
- **evaluation of community- and population-based intervention strategies**
- **new financing and business models**
- **integration of the care dimension**

---

| SC1-HCO-12-2018: Innovation in health care - towards using pre-commercial procurement and public procurement of innovative solutions in health care systems | CSA | single-stage | 2 mill | 2 mill | 18.04.2018 | 1 |
1.5 Decoding the role of the environment, including climate change, for health and wellbeing 2018/2019

<table>
<thead>
<tr>
<th>SC1 TOPICS title</th>
<th>Type</th>
<th>Single Stage/2-Stage</th>
<th>Budg. / topic</th>
<th>Budg./pro</th>
<th>deadline</th>
<th>Prop to be funded, appr</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC1-BHC-27-2018: New testing and screening methods to identify endocrine disrupting chemicals</td>
<td>RIA</td>
<td>Single stage</td>
<td>52 mill</td>
<td>4-6 mill</td>
<td>18.04.2018</td>
<td>8</td>
</tr>
<tr>
<td>SC1-HCO-13-2018: Setting the priorities for a European environment, climate and health research agenda</td>
<td>CSA</td>
<td>single-stage</td>
<td>3,00</td>
<td>2-3 mill</td>
<td>18.04.2018</td>
<td>1</td>
</tr>
</tbody>
</table>
## Digital transformation in health and care 2018/2019

<table>
<thead>
<tr>
<th>SC1 TOPICS title</th>
<th>type</th>
<th>Single Stage/2-Stage topic</th>
<th>Budg./topic</th>
<th>Budg./prop</th>
<th>deadline</th>
<th>Prop to be funded, appr</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC1-DTH-01-2019: Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment</td>
<td>RIA</td>
<td>single stage</td>
<td>25 mill</td>
<td>3-5 mill</td>
<td>24.04.2019</td>
<td>6</td>
</tr>
<tr>
<td>SC1-DTH-07-2018: Exploiting the full potential of in-silico medicine research for personalised diagnostics and therapies in cloud-based environments</td>
<td>RIA</td>
<td>single stage</td>
<td>35,00</td>
<td>10-15 mill</td>
<td>24.04.2018</td>
<td>3</td>
</tr>
<tr>
<td>SC1-DTH-08-2018: Prototyping a European interoperable Electronic Health Record (EHR) exchange</td>
<td>RIA</td>
<td>single stage</td>
<td>20 mill</td>
<td>6-10 mill</td>
<td>24.04.2018</td>
<td>3</td>
</tr>
<tr>
<td>SC1-DTH-09-2019: Scaling up the univocal Identification of Medicinal Products</td>
<td>IA</td>
<td>single stage</td>
<td>19 mill</td>
<td>5-8 mill</td>
<td>24.04.2019</td>
<td>3</td>
</tr>
<tr>
<td>SC1-DTH-10-2019-2020 Digital health and care services</td>
<td>PCP</td>
<td>single stage</td>
<td>22 mill</td>
<td>5-6 mill</td>
<td>14.11.2018</td>
<td>4</td>
</tr>
<tr>
<td>SC1-DTH-11-2019: Large Scale pilots of personalised &amp; outcome based integrated care</td>
<td>IA</td>
<td>single-stage</td>
<td>20,00</td>
<td>4-6 mill</td>
<td>24.04.2019</td>
<td>5</td>
</tr>
<tr>
<td>SC1-HCC-01-2018: Supporting investment in smart living environments for ageing well through certification</td>
<td>CSA</td>
<td>single-stage</td>
<td>1,00</td>
<td>1 mill</td>
<td>24.04.2018</td>
<td>1</td>
</tr>
<tr>
<td>SC1-HCC-02-2019: Support for the large scale uptake of open service platforms in the Active and Healthy Ageing domain</td>
<td>CSA</td>
<td>single-stage</td>
<td>1,50</td>
<td>1,5 mill</td>
<td>24.04.2019</td>
<td>1</td>
</tr>
<tr>
<td>SC1-HCC-03-2018: Support to further development of international cooperation in digital transformation of health and care</td>
<td>CSA</td>
<td>single-stage</td>
<td>2,00</td>
<td>2 mill</td>
<td>24.04.2018</td>
<td>1</td>
</tr>
<tr>
<td>SC1-HCC-04-2018: Digital health and care services – support for strategy and (early) adoption</td>
<td>CSA</td>
<td>single-stage</td>
<td>1,00</td>
<td>1,00</td>
<td>24.04.2018</td>
<td>1</td>
</tr>
</tbody>
</table>
eHealth in Horizon 2020

The goals of the EU have been translated into research priorities and we find ICT & health in the areas of:

- ICT for personalised and predictive medicine, including advanced modelling and simulation.
- Big data, advanced analytics → diagnostics and decision making
- Web and mobile technologies and digital instruments
- eHealth systems and services with strong user involvement
The ageing society

“The Silver Economy is the new gold, Silicon Valley gurus tell us. Large new public and consumer markets of ICT products and services for ageing well are developing. Our ageing populations are drivers of economic growth.” European Commission.

Challenges
- Increased prevalence of chronic diseases
- Financial pressure on the health system
- Dependency ratio and personal care

Opportunities
- Increased prevalence of chronic diseases
- Empowerment: active aging
- New care models
- Growth and new markets
### Trusted digital solutions and Cybersecurity in health and care 2018/2019

<table>
<thead>
<tr>
<th>SC1 TOPICS title</th>
<th>Instrum.</th>
<th>Single Stage/2-Stage</th>
<th>Budg./topic</th>
<th>Budg./pro</th>
<th>deadline</th>
<th>Prop to be funded, appr</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT-TDS-01-2019: Smart and healthy living at home</td>
<td>IA</td>
<td>Single stage</td>
<td>60,00</td>
<td>15-20</td>
<td>14.11.2018</td>
<td>3</td>
</tr>
<tr>
<td>SU-TDS-03-2018: Raising awareness and developing training schemes on cybersecurity in hospitals</td>
<td>CSA</td>
<td>single-stage</td>
<td>1,00</td>
<td>1,00</td>
<td>24.04.2018</td>
<td>1</td>
</tr>
</tbody>
</table>
1.1 Personalised medicine:

"a medical model using characterization 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". (Advisory group to the PC, SC1)

“Personalised medicine uses information specific to an individual to target therapeutic and prevention strategies more accurately, putting citizens and patients at the centre of healthcare and innovation. Recent developments in areas such as molecular profiling, medical imaging and diagnostics are making personalised medicine a reality in healthcare“