

# Health Partnering Day 2016

## 7 July 2016, Brussels

Health-related topics: ICT, SSH, Food security)



## IntegrOmics: linking big data and complex diseases

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# ICAN - Institute of Cardiometabolism And Nutrition



- Excellence Research Centre for Translational Medicine in cardiometabolic
- Created in 2011 in response to a French government call to bridge basic research with hospital clinical research
- A critical mass of researchers gathering 13 basic research teams (>120 researchers)
- 5 clinical units under the umbrella of the Heart-Metabolism Division (>100 MDs and 650 paramedics, 70'000 patients per year)
- An integrated platform for cardiometabolic translational research (60 employees and 6 CORE labs including IntergrOmics a bioinformatics platform, lipidomics, metabolomics and metagenomics, a clinical research platform and a biomedical imaging lab)
- Member of EIT Health
- Principal investigators involved in a number of European initiatives:



Fit for Health 2.0 and HEALTH-NCP-NET 2.0 projects are funded by the European Commission



# Personalised computer models and in silico systems for well-being

- ICAN Integromics project, led by Pr. Jean-Daniel Zucker, is centered on developing methodologies based on biostatistics, statistical learning, bioinformatics, artificial intelligence, data mining and systems biology skills to integrate high-dimensional biomedical data (multi-source and multi-level integration) to study the complex pathophysiology of obesity, cardiovascular and metabolic diseases.

- Objectives/Perspectives :

Developing cutting-edge computational techniques for building disease-predictive signatures from integrating multi-molecular omics (including metagenomics), improved clinical phenotyping and measurable environmental aspects relying on connected devices.

**Seeking partners for PM17 – Personalised computer models and in silico systems for well-being – with additional datasets and computational expertise**

# Other potential european collaborations

## Other areas of activities:

- PM2 – New Concepts in Patient Stratification
- PM11 – Clinical research on regenerative medicine
- PM15 – Personalised coaching for well-being and care of people as they aged
- SFS39 – How to tackle the childhood obesity epidemic ?



## Contact details

Thank you!

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# Instruction

## The second and third slide may show

- the company expertise
- the objectives of your proposal
- an idea of the existing partnership
- the requirements for additional partner(s)
- the skills of you and your organisation
- the topics you are interested in
- involvement in previous / ongoing projects in the area

## Do not forget to add:

- your own name
- your organisation
- the nature of your organisation e.g. SME, academic institution, public, private
- the country from which it operates

## Please note:

- the presentations should be in English
- do not overload your slides – provide links to additional material available on the web
- do not use videos, etc. – this might not work with the IT system used
- all selected flash presentations will be made available on the partnering event website
- send your flash presentation before 13.06.2016 to [ewa.szkiladz@kpk.gov.pl](mailto:ewa.szkiladz@kpk.gov.pl)