European
Commission

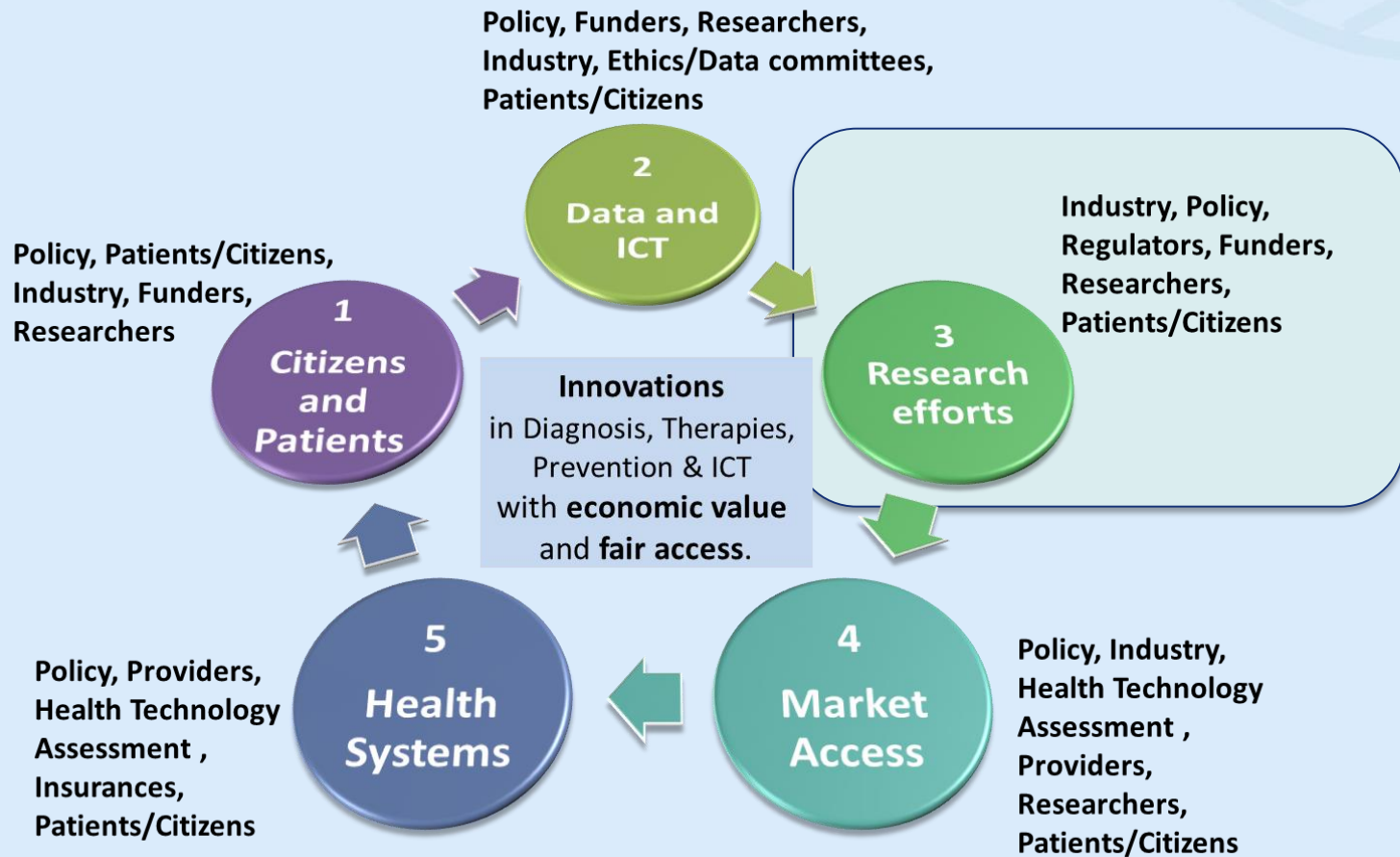# Personalised Medicine Conference 2016 1-2 June 2016, Brussels

Challenge 3 facilitators

ANR atalia Martin & Daria Julkowska

bmwfw Hemma Bauer

Research and Innovation

Policy, Funders, Researchers,
Industry, Ethics/Data committees,
Patients/Citizens

2 Data and ICT

Industry, Policy,
Regulators, Funders,
Researchers,
Patients/Citizens

Policy, Patients/Citizens,
Industry, Funders,
Researchers

1 Citizens and Patients

3 Research efforts

Innovations
in Diagnosis, Therapies,
Prevention & ICT
with **economic value**
and **fair access**.

Policy, Providers,
Health Technology
Assessment ,
Insurances,
Patients/Citizens

5 Health Systems

4 Market Access

Policy, Industry,
Health Technology
Assessment ,
Providers,
Researchers,
Patients/Citizens

Challenge 3: Translating basic to clinical research and beyond

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Roadmap - draft list of actions

PerMed SRIA
- Recommendations for Challenge 3 (N°15-N°22)
- Actionable research activities
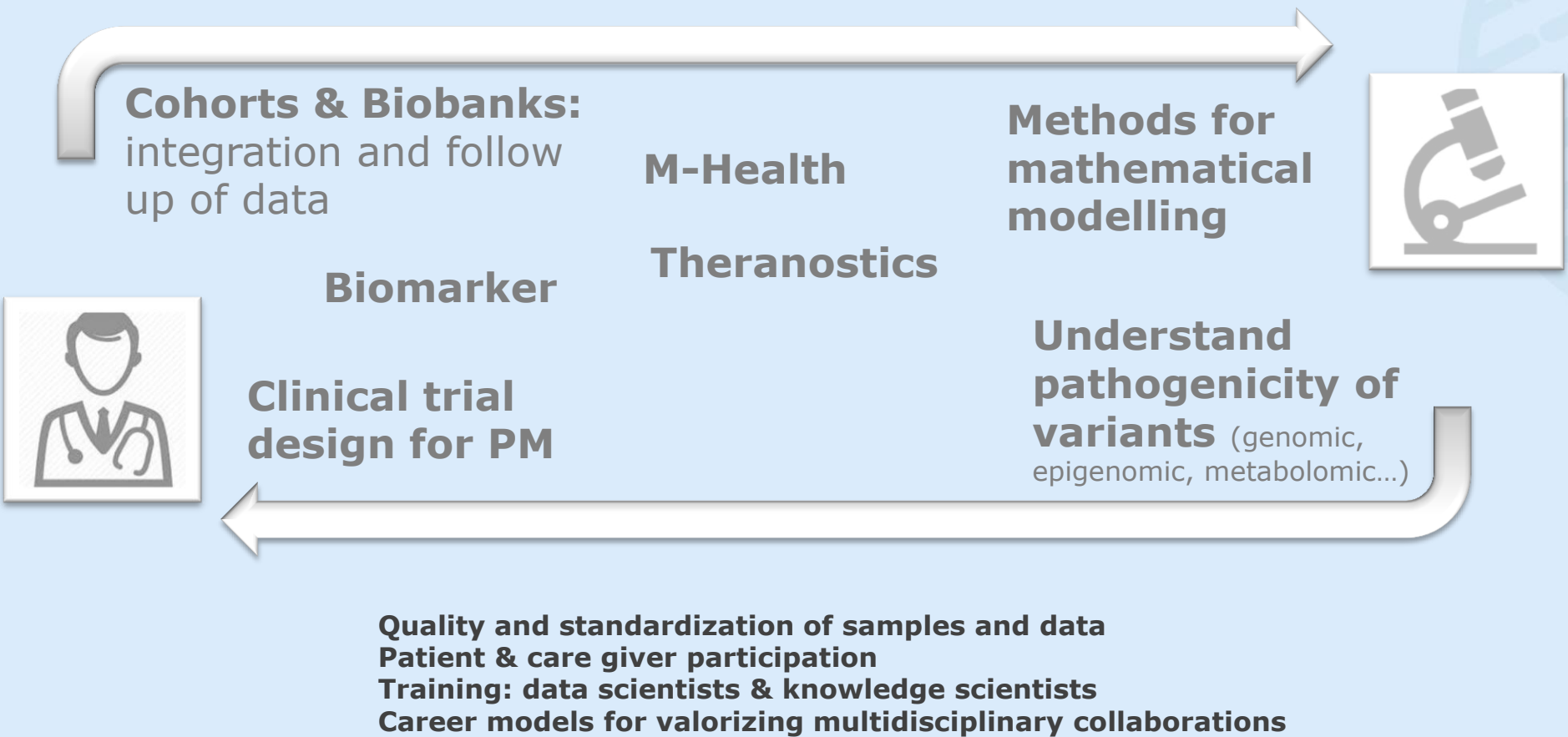
Experts
- Survey
- Workshop in Feb 2016

Actions
- 15 actionnable research activities that the funding agencies can put in place: Short term (2-3 years), Medium term (4-7 years), Long term (8-12 years)
- Feedback → 22 actions

PM Conference 2016
Better definition of current lanscape and needs in research actions

Cross-talk of clinics and basic researchers & truly interdisciplinary collaborations

Cohorts & Biobanks: integration and follow up of data

M-Health

Methods for mathematical modelling

Theranostics

Biomarker

Understand pathogenicity of variants (genomic, epigenomic, metabolomic…)

Clinical trial design for PM

Quality and standardization of samples and data
Patient & care giver participation
Training: data scientists & knowledge scientists
Career models for valorizing multidisciplinary collaborations

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Some actionnable research activities

- Infrastructures for big data: integration, analysis and extract value from data (omics, health records, clinical, imaging data, data from mobile devices and wearable sensors, behavioral, environmental,…)

- CSA for definition of minimum data that should be collected for clinical and general population

- Collaborative research projects

| **Functional studies, omics'** | **Bioinformatics** | **Clinicians** |

Truly interdisciplinary collaboration lead by clinicians

Challenge 3: Translating basic to clinical research and beyond

Keynote talk

- **Bottlenecks of clinicians and researchers in making PM a reality - Nicholas Katsanis**

TED talks

- **From retrospective patient cohorts into prospective patient cohorts to clinical validation - Markus Perola**
- **Designing clinical trials for PM - Sabine Tejpar**
- **Success stories - Dave Jones**

Panel discussion moderated by Ruxandra Draghia-Akli

- **Jan-Eric Litton, Fabien Calvo, Astrid Vicente, Marc Schiltz, Christine Mayer-Nicolai, Jacques Beckman**

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