2nd ICPerMed Workshop – 'Best Practice in Personalised Medicine' Recognition 2019
Personalised Medicine for All Citizens and Patients within Sustainable Implementation
Madrid, 05 November 2019

Establishment of Interdisciplinary & Inter-Sectoral Collaboration Platforms for the Implementation of Personalised Medicine through Open Innovation in Science

Juergen Busch, LBG Vienna
Gertraud Leimueller, winnovation Vienna
Lucia Malfent, LBG Vienna (until Oct. 2019)
Prof. Josef Niebauer, University Hospital Salzburg
Prof. Harald Willschke, Medical University Vienna

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Background
Know How & Funding Basis:

Transfer of **OIS tools piloted by LBG OIS Center** to a **new 4-stage process** (2018/19) for the establishment of LBI:

- (expert) crowd sourcing
- pitch to partners
- lead user / lead expert workshop
- sand pit / ideas lab
- organisational design

Ludwig Boltzmann Institutes (7 years incubator funding: e.g. PM domain RUD, Applied Diagnostics) = interdisciplinary & transsectoral co-operation platfoms addressing societal challenges & needs

- Public (Austrian National Endowement for RTD: 60% LBG funding) – private funding partnership amounting to

- 2 x approx. EUR 10 Mio for 2 x 7 years institute funding (2 x 6 Mio cash by LBG)

- Competitive, 4-stage OIS process for spending of funds

4 Selection Process Phases

Phase 1

Identification of strategically important topics (Expert CS)

Approach: Structured and comprehensive mapping of relevant topics of the future in health care (50 interviews and secondary data research)

Output: Identification of strategically important future topics (01–05 2018)

Phase 2

Selection of core partners (Pitch to Partner)

Approach: According to the thematic results from Phase 1, the LBG forms a group of core research partners

Output: Cooperation with partners (05–08 2018)

Phase 3

Development research questions (Lead User WS)

Approach: Lead User/ Lead Expert workshop aiming at generating concrete research questions

Output: Identification of research questions (09 2018)

Phase 4

Setting up and building research teams (Ideas Lab)

Approach: Tendering the research questions, team-building process (Ideas Lab) for selection of PIs / CoIs; development of research programmes

Output: Selection of research teams followed by drafting of research programme & funding decision (10 2018–02 2019; Oct.19)

P1: Expert Crowd Sourcing

- identification of societal needs in health sector in combination with application of OIS tools & research methods to support, complement & enrich research in digital health & personalised medicine (connex: use of tools and data for PM)

- 190 persons contacted

- 62 semi-structured interviews

- 42 secondary sources (analysis)

- leading to 5 potential thematic areas (2 first ranked selected)

- 8 international jury members

Selected Topics:

TRANSFORMING HEALTH SYSTEMS INTO A PATIENT-CENTERED WORLD in combination with

- Specific aspects of INCREASING THE CONTRIBUTION OF PATIENTS TO DIAGNOSIS, TREATMENT AND AFTER-CARE (TOPIC 1), and

- Specific aspects of SECURING AND ENHANCING THE QUALITY OF HEALTH SERVICES AND PATIENT SAFETY (TOPIC 2)

P2: Pitch to Partners

- roadshow in main hospital capitals in Austria (provincial governments)

- info workshop for interested institutions (25 06 2018)

- call for interest of core consortia (incl. letter of intent)

- selection of consortia (LBG management & consultant)

Selected Consortia:

- **Topic 1 – Salzburg:** Univ. Hospital Salzburg (PMU, Host), Salzburg Research, University of Salzburg, Univ. of Applied Sciences Salzburg, Prov. Government of Salzburg (Land), Austrian Institute of Technology

- **Topic 2 – Vienna:** Medical University of Vienna, Caritas, Philips, Becton Dickinson, City of Vienna, Lower Austrian Hospital Facilities Holding, Austrian Platform Patient Safety

P3: Lead User / Lead Expert Workshop

- workshop with 16 int. lead users and experts on 19 09 2018

- 86 persons contacted globally, 32 interviews, 24 shortlisted

- users from target markets & analogous markets & experts & partners
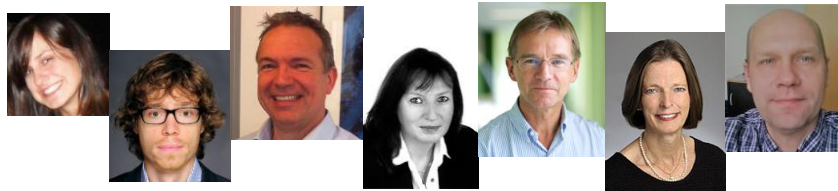
Selected Lead Questions:

- **Topic 1:** How to support positive health behaviour for cardiovascular disease patients in a sustainable way?

- **Topic 2:** How to provide digital solutions in health ecosystems, i.e. patients, families, and providers, to deal with patient-safety issues and health literacy in a patient- centric way?

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P4: Ideas Lab

- Call for applications guided by an active search process (pyramiding) from Oct – Dec 2018

- 174 applications from 30 countries

- 31 candidates for PI & CoI positions selected

- International Mentor Jury (7 persons): ranking, candidate selection, lab guidance, PI/CoI team selection

- Phase 5 (03-07 2019): drafting of research plan & QA (external review)

Selected PI & CoI Teams:

LBI Digital Health & Prevention Salzburg (Host Dir. Prof. Niebauer):

- Rada Hussein (EGY/USA), Tino Kulnik (UK), Thomas Stütz (AT); *Rik Cruzten (NL), Dieter Hayn (AT), Mahdi Sareban (AT)*

LBI Digital Health & Patient Safety Vienna (Host Dir. Prof. Willschke):

- Atanas Atanasov (BUL), Maria Kletecka-Pulker (AT), Eva Schaden (AT); *James Baumgardner (USA), Amer El Kerdi (CAN), Oliver Kimberger (AT), Thomas Wochele-Thoma (AT)*
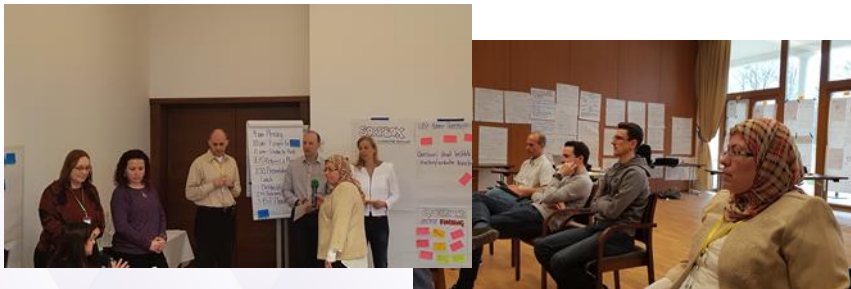
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Ideas Lab Results
LBI started on 1st Oct 2019

LBI DH & Prevention, Salzburg

The objective of the planned programme of research is to provide personalised, long term, sustainable, efficient and effective support to patients for health-promoting behaviour change in order to reduce the risk and consequences of CVD.

LBI DH & Patient Safety, Vienna

The institute will address patient safety and health literacy in a pervasively digitalised environment, dealing specifically and comprehensively with questions of application of data science, data ownership, empowerment, legal frameworks, education and uncertainty in data in a personalised, patient-centric way.