

Program for BME IDEA 2016

Monday, 6 June – Aarhus, Denmark, Department of Engineering, Aarhus University – Navitas, - Inge Lehmanns Gade 10, 8000 Aarhus C – room: Caféen

(Re-) Experience the Biodesign process - workshop

- 08:00- Registration, coffee and buns
- 08:30- Welcome & Introduction to the program of the day and presentation of the invited participants
- 09:00- Three Biodesign video films; showcasing physical frames for running Biodesign courses at different schools.
- 09:20- Introduction to the workshop topics and assignments. Topics (healthcare needs) will be gathered beforehand from the BME-IDEA community and other relevant stakeholders.

The workshop is intended to reveal the differences in how Biodesign have been adopted across institutions.

It will provide a hands-on experience of the Biodesign process for new BME-Idea participants.

Participation of medical professionals from Aarhus will provide faculty participants from Engineering Schools insights on the contribution and the added-value to the process from this stakeholder group.

Learnings from the workshop will be transferred to the workshop the day after.

All teams will consist of international (BME-IDEA) faculty blended with Aarhus faculty and clinicians as well as participating international Biodesign fellows.

Workshop session 1: IDENTIFY NEED

- 09:35- Group-wise selection of need from the pool of topics; Need scoping and writing need statements (endpoints need to fit both EU and US markets) based on the chosen topic.
- 10:00- Quick Round-the-Tables on need statements and endpoints
- 5 min Break

- 10:20- Biodesign in EU and US University Programs
Two institutions present each their short video recordings and introduce or update on relevant initiatives/activities in relation to Biodesign at attendees' institution.

Workshop session 2: IDEATE SOLUTION

- 11:00- Teams ideate solutions and sketch the solution and the workflow it intervenes with.
- 11:40- Quick Round-the-Tables presentation of solutions
- 12:00- Lunch
- 13:00 Biodesign in EU and US University Programs
Two institutions present each their short video recordings and introduce or update on relevant initiatives/activities in relation to Biodesign at attendees' institution

Workshop session 3: IMPLEMENT TO INTERNATIONAL MARKETS

- 13:45- Teams build the business model for their solution. Business model should fit international markets.
- 14:45- Presentation of cases and discussion of experiences of country-wise differences perceived at the tables during the workshop sessions.
- 15:30-15:40 Wrap up and information on afternoon site visits.

Only for the BME.IDEA network:

- 16:00-18:00- Early evening events;
Site visit to the construction site of the new Aarhus University Hospital, going to be the largest in Scandinavia (at least for a while)
- 19:30 Dinner at Nordisk Spisehus, M.P. Bruuns Gade 31, 8000 Aarhus C

BME IDEA Europe 2016

Tuesday, 7 June – Aarhus, Denmark, MOMU – Moesgaard Museum, Moesgaard Allé 15, 8270 Højbjerg, Conference Room 301

08:00- Transport from hotel to Moesgaard Museum (event location)

08:30- Welcome note by Allan Flyvbjerg, Dean Faculty of Health, Aarhus University

08:50- Introduction to the day, INNO-X

Around the world emerging trends in Healthcare for Value-based and Patient-centric care are expected to improve clinical outcomes and at the same time cutting healthcare costs. These trends put pressure on obsolete reimbursement systems and demand new business models for both payers, providers and medical technology businesses.

What are the needs for changes or updates in the Biodesign teaching and curriculum to meet the trends in value-based healthcare? This is the topic of the day.

09:00- Ole Thomsen, Health Director Central Denmark Region;
Healthcare reimbursement models in the future, - a perspective from the hospital owner

09:20- Rikke Søgaard, Prof. Health economics, Aarhus University
Trends of European hospital governance and the associated premises for innovation
European publicly financed health care systems are increasingly focusing on ultimate outcomes such as patient experienced quality and population health. One of the most recent suggestions for hospital governance go back to global budgetting in combination with a quality focus defined by doctors and patients within their respective clinical area. But how does that affect the premises for innovation? In this presentation Rikke Søgaard suggests that the implied quality management or innovation strategy of the health care sector regulators is changing from push to pull, and that innovators need to focus on value in relation to ultimate outcomes.

09:40- Anders Nejsum, CEO Visikon Aps,
Company perspective on how current reimbursement and a shift towards value and outcome-based reimbursement affect business models.

10:05- Break

- 10:25- General Practitioners' perspective, Frede Olesen, Prof., MD., Aarhus University
Department of Public Health
Are economic incentives an appropriate tool in development of quality in primary care.
- [all four presentations will be broadcasted through Google hangout]
- 10:45- International perspectives from the BME Idea community, 3 minutes
James Moore, Imperial College London
Sjoerd Saasl, CTMH, Center for Technology in Medicine and Health
Jorge Fernandes Garcia, Biocat
- 11:20- Plenum discussion. Is there a match between what payers, providers and companies demands and their goals? How does it impact new device innovations?
- 12:00- Lunch, room 201
- 13:00- Workshop; Based on the learning from the four presentations in the morning session, what are the needed adaptations to incorporate in Biodesign curriculums and how?
- [in parallel; Biodesign fellows (and/or Biodesign alumni) have their own workshop in which they ideate on how to teach and explore business modelling during Biodesign programs in a manner adapted to the emerging changes in healthcare reimbursement systems and differences among EU and US markets]
- 14:30- Q&A with Video link to US; how and to which extent has Biodesign programs already adapted a way to teach and support business modelling shaped for the future healthcare system? Session will include short presentations on key findings and updates vice versa. More information will follow before the meeting and attendees will be invited to send questions in advance.
- 15:30- Biodesign students/fellows present their proposal for new ways of teaching business modelling.
Plenum discussion on the matters and the degree of alignment with the results of the workshop performed among Biodesign teachers.
- 16:15- Wrap up – What did we learn today?
- 16:30- Annual meeting 2016 finished. Bus transport back to Aarhus city centre.