

Invitation

Opening Seminar

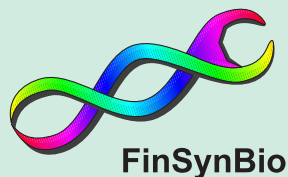
of Synthetic Biology Research Programme – FinSynBio
23 January 2014

Synthetic biology is an evolving area of multidisciplinary research that combines biosciences, medical sciences, physical and chemical sciences, engineering and disciplines of social and ethical sciences. The Academy of Finland via its FinSynBio research programme 2013–2017 gathers together projects covering topics like ethics of the synthetic biology, its social dimensions, cell free synthesis of proteins, formation of hybrid organisms and fabrication of biofilms. The opening seminar introduces leading scientists on synthetic biology field in Finland and provides extraordinary possibility for networking.

**YOU ARE WARMLY WELCOME TO THE OPENING SEMINAR
FOR THE SYNTHETIC BIOLOGY RESEARCH
PROGRAMME FINSYNBIO ON 23 JANUARY 2014
AT GLO HOTEL ART, (2 FLOOR JUGEND HALL,
LÖNNROTINKATU 29, 00180 HELSINKI)**

Registration by 8 January 2014 at
www.academyevents.fi with code FINSYNBIO2014

Contact: project officer Hilla Lempiäinen (hilla.lempiainen@aka.fi)



- 9.30 Registration and coffee**
Welcome
Professor **Kalervo Hiltunen**, Chair of steering committee
- 10.15 Keynote: Perspectives in Synthetic Biology**
Professor **Vitor Martins dos Santos**, Wageningen University
- FinSynBio projects**
- 11.00 Synthetic controllability of biological networks through understanding and engineering their control elements**
Dr. **Tero Aittokallio**, University of Helsinki
- 11.20 Design and engineering of synthetic hybrid photo-electro organism**
Professor **Eva-Mari Aro**, University of Turku
- 11.40 Focused proteomic analysis of cell factories**
Professor **Matti Karp**, Technical University of Tampere
- 12.00 Lunch**
- 13.00 Synthetic genetic circuits for programming the structure of materials**
Professor **Markus Linder**, Aalto University
- 13.20 Fabricating bacterial biofilms via artificial nano(bio)components**
Professor **Pia Vuorela**, University of Helsinki
- 13.40 Synthetic biology and ethics**
Professor **Matti Häyry**, Aalto University
- 14.00 Biological Knowledge through Modeling and Engineering: Epistemological and Social Aspects of Synthetic Biology**
Dr. **Tarja Knuutila**, University of Helsinki
- 14.20 Coffee**
- 15.00 Gen2Co: 2nd generation of E. Coli protein cell factories**
Professor **Lloyd Ruddock**, University of Oulu
- 15.20 Bio-active protein synthesis in vitro with cell free platform**
Professor **Arto Urtti**, University of Helsinki
- 15.40 Control of in vivo polymerization by synthetic biology approaches**
Dr. **Laura Ruohonen**, Technical research center of Finland
- 16.00 Concluding remarks**
Programme managers **Tiina Jokela** and **Jukka Reivinen**
- 16.10 Buffet**
- 18.00 End of the day**

