Minutes for PEP meeting 17.08.2015  
Written by Vincent

**General information and practical issues**

* **People:**
  + Sabina Leanti La Rosa, post-doc with Bjørge; Silje Lorentzen, PhD student, Chitotex; Victoria Karlsen, MSc student with Morten Sørlie. There will be many new people:
    - Madhu Prakash, guest, 6 months, as off Sep 4, post-doc; chitin.
    - Phornsiri Pechsrichuang, guest, 12 months, as off Sep 1, PhD student; chitin.
    - David Lapeña Gomez, PhD student, as off Sep 7; Foods of Norway
    - Kiira Vuoristo, post-doc, as off Sep 2, post-doc; Biofeed
    - Daniel G Mulat, post-doc, as off ?, post-doc; Bioligas
    - John Jameson, engineer, as off Sep 1, 6 months; various projects, initially with Aniko & Magnus
    - Daniel Kracher, guest from Roland Ludwig’s lab, as off the end of September; LPMO & CDH; 2 months or so.
    - Laura, guest with Gustav, Dejan and others, as off Sep 1; four months. LPMO.
* **Lab and office behavior:**
  + Please keep the lab tidy and well-organized.
  + The “ordensmann” MUST do his/her work properly.
  + In case of any trouble, like you breaking things, you MUST report this and/or deal with this, immediately
  + NOTE: please check your routines. E.g. when doing sterile work. We must use strict routines since several of us work with strains without Ab resistance. If you use joint “things”, like sterile pipette boxes, solutions, you must adhere to stringent routines. Ask for help if you are in doubt.
  + Be quiet in the offices and in the corridor. Use meeting rooms for meetings, including Skype.
  + PhD students in the final writing phase will at some point move to offices that are further away from the labs.
* **Dates**
  + Aug 20: PEP grill party – please respond to Vincent ASAP.
  + Sep 17: one day seminar, NBS
  + Sep 18 & 19: PEP is at Forskningsdagene
  + Oct 9: PhD defence of Linn W Stockinger
  + Nov 26 & 27: PolyRefNorth meeting at Ås campus (NB! 1 ECTS for PhD students; more info will follow)

**Research**

* Jeremy talked about a massive project on metagenomic and metaproteomic studies of the “Uppsala samples”, i.e. original samples and enrichments from a stable high-ammonia reactor in Linkøping.

**Literature**

* Aniko talked about PNAS paper Vol. 112 no. 28 (July 14, 2015): “Magnetic levitation of single cells” by Naside Gozde Durmus, H. Cumhur Tekin, Sinan Guven, Kaushik Sridhar, Ahu Arslan Yildiz, Gizem Calibasi, Ionita Ghiran, Ronald W. Davis, Lars M. Steinmetz, and Utkan Demirci. Abstract: Cells consist of micro- and nanoscale components and materials that contribute to their fundamental magnetic and density signatures. Previous studies have claimed that magnetic levitation can only be used to measure density signatures of nonliving materials. Here, we demonstrate that both eukaryotic and prokaryotic cells can be levitated and that each cell has a unique levitation profile. Furthermore, our levitation platform uniquely enables ultrasensitive density measurements, imaging, and profiling of cells in real-time at single-cell resolution. This method has broad applications, such as the label-free identification and monitoring of heterogeneous biological changes under various physiological conditions, including drug screening in personalized medicine.

**Cake**

Geir served chocolate cake.

***Meeting calendar (OBS! Updated since last time)***

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| **Date:** | **Research** | **Literature** | **Minutes** | **Cake** | |
| 17/08 | Jeremy | Aniko | Vincent | | Geir |
| 07/09 | Phil, Magnus, Trine | Jenny, Jul20– Aug15; Lasse, Aug16 – Sep6 | Gustav | | Marianne, Piotr |
| 28/09 | Sophanit, Marianne, Kasia | Sandeep | Geir | | Trine, Leszek |
| 19/10 | Rianne, Dejan, Bjørge | Dayanand | Svein | Sophanit, Magnus | |
| 9/11 | Aniko, Dayanand, Zarah | Kasia | Gustav | Vincent, Ben | |
| 30/11 | Jenny, Lasse, Adrian | Vincent | Vincent | Dayanand, Zarah | |
| 18/12 | Madhu, Laura, Leszek | Marianne | Geir | Kiira, Phornsiri | |

”Cake” also means making coffee and tea. ”Research” also means being responsible for having a computer+beamer.