Digital ANA Futura information meeting

October 21, 2020
Some housekeeping rules…

- Please mute your microphone
- We encourage you to have your camera turned on
- Please write your question/s in the chat or raise your hand
- Questions will answered by the end of the meeting
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Matti Sällberg – Head of Department, Laboratory Medicine
Latest ANA Futura news

- COVID-19
- ANA Futura webpage
- Recovery rooms
- Common laboratories
- Meetings rooms
COVID-19: Remember to follow the KI recommendations and guidelines

- We occasionally experience problem with physical distancing within ANA Futura
- The Steering Committee emphasizes that physical distance should be maintained
Latest ANA Futura news

ANA Futura webpage

- Most information about ANA Futura is to be found on our webpage
- [https://staff.ki.se/ana-futura-for-staff](https://staff.ki.se/ana-futura-for-staff)
New routine for the recovery room

- **Current routine:** on the ANA Futura webpage

- **What will be changed in the new routine:** The key cards will be available in a locked cabinet in the ANA Futura reception (instead of 8th floor Labmed administration)

- Two cards: one for recovery room floor 7 and one for recovery room floor 8

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**Recovery rooms in ANA Futura**

Routines for using the recovery rooms the 7th and 8th floor.

**Routines for now:**

- All key cards are available in a locked cabinet on the 8th floor (in the corridor opposite the office of Jenny Degerholm Langsjo, at Labmed administration council). Code: 7790
- Inform a colleague in which room you will go and rest (there are two rooms available, one on the 7th floor and one on the 8th floor).
- Collect the key card in the locked cabinet marked with your department name.
- Check-in on the note next to the cabinet.
- When you are done using the room, put the card back in the locked cabinet and write the time of check-out on the note.
- You should only use the recovery room for an hour at the most, if you are still not feeling well after that hour you should go home.
- It is important that the recovery rooms are locked so staff do not use it without anyone's knowledge.
- A colleague should always be informed that someone is using the recovery room.
- After office hours (evenings / weekends), the immediate manager is responsible for supervising his/her staff using a recovery room (if no colleague is available).
Common laboratories – ANA Futura

- We have a continuous discussion in the steering committee and drafting committee about the usage of ANA Futura common laboratories

- A lot of restructuring in common laboratories is ongoing to obtain more efficient usage of our premises

- All changes are discussed and suggested within the drafting committee and decided by the steering committee

- Meetings with "common lab coordinators/responsible persons" is performed twice yearly to discuss questions related to the common labs
Remember to label your fridges and freezers

- In case something happens to your fridges/freezers it is easier to reach out
- Important for inventory of fridges/freezers in common premises
- Template is to be found on the ANA Futura webpage
The steering committee ANA Futura decided that meeting rooms: Lagerlöf (floor 4, in the library), von Bering and Steinmann (floor 9) should be converted to a KI common premise. KI central facility management will decide. More information will be communicated when available.

The decision was based on the utilization rate of the rooms and feedback from the ANA Futura drafting committee.
New research groups within ANA Futura

- **Myriam Aouadi (MedH/CIM):** 7 staff
  - Research focus: Immuno-metabolism

- **Jaakko Patraka (Labmed/Pathology):**
  6 staff
  - Research focus: Renal glomerulus biology and diseases
Immuno-Metabolism

Macrophages in metabolism & Metabolism in Macrophages

Center for Infectious Medicine
MedH
Karolinska Institutet
aouadilab.com
Myriam Aouadi (MedH/CIM)

Aouadi Lab

Postdoctoral fellows
Valerio Azzimato, PhD
Cecilia Morgantini, MD PhD

PhD Students
Emelie Barreby
Achilleas Fardellas

Research Assistant
Ana Vankova

Lab Manager
Laura Levi, PhD
Update from the Pre-GMP facility

Speaker: Anna Pasetto, managing director for the Pre-GMP facility, ANA Futura

Facility webpage:
https://staff.ki.se/core-facility-for-campus-flemingsberg-pre-gmp
Status update regarding the Pre-GMP facility

- The facility is now hosting the following projects:

1. Harmonizing HQ plasmid production between pre-GMP and GMP sites. **KI internal user**: Matti Sällberg/Gustaf Ahlén

2. Isolation of tumor and viral hepatitis-reactive TCRs from HCC patients and pre-clinical development of related TCR-T cells therapy. **KI internal user**: Anna Pasetto


4. Large scale production/isolation and characterization of EVs for cancer cell therapy. **KI internal user**: Evren Alici

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<tr>
<th>Service</th>
<th><em>Usage time period</em></th>
<th>KI user</th>
<th>External user</th>
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<tr>
<td>Introduction to the facility and safety training</td>
<td>per person</td>
<td>1,500 sek</td>
<td>2,500 sek</td>
</tr>
<tr>
<td>Usage of 1 room (only basic equipment)</td>
<td>per year</td>
<td>180,000 sek</td>
<td>680,000 sek</td>
</tr>
<tr>
<td>Usage of 1 office seat</td>
<td>per year</td>
<td>50,000 sek</td>
<td>90,000 sek</td>
</tr>
<tr>
<td>Project update meeting (mandatory)</td>
<td>per month</td>
<td>1,000 sek</td>
<td>2,000 sek</td>
</tr>
<tr>
<td>Technical support (per user request)</td>
<td>per hour</td>
<td>1,000 sek</td>
<td>2,000 sek</td>
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**Advanced equipment**

- Usage of Miltenyi Prodigy: per month, 5,000 sek, 30,000 sek
- Usage of Zetaview: per day, 150 sek, 250 sek
- Usage of BioFlo 320: per month, 1,500 sek, 2,500 sek
- Usage of KRD: Flow-filtration system: per week, 100 sek, 200 sek
- Usage of Nucliscounter: per month, 1,000 sek, 2,000 sek

*the price is indicated for common usage time, but alternative usage time periods can be discussed*
Update from the BSL3 facility

Speaker: Jonas Klingström, managing director for the BSL3 facility, ANA Futura

Facility webpage:
https://staff.ki.se/bsl3-laboratory-at-ana-futura
BSL3-lab ANA Futura

- Part of the **Karolinska Institutet BSL3 core facility**: Including Biomedicum, Solna and ANA Futura, Flemingsberg

- A resource for academia, health care and industry

- A facility designed for **safe handling and research on all types of BSL3-classified pathogens** and samples from patients with infectious diseases

**We currently can handle:**

- Patient samples for FACS sorting and most other applications*

  *Exception: Propagation of virus only allowed for those viruses we have approval for (see below)

We will start with patient samples and then live viruses

**Viruses we have permission to work with:**

- Hantavirus, HIV, SARS-CoV-2, TBEV

- Flavivirus (all), submitted and soon approved.

- If there are any specific virus/bacteria you wish to work with, contact us!
BSL3 ANA Futura staff and steering group

Jonas Klingström, facility manager  Jonas.Klingstrom@ki.se
Jagadeeswara Rao Muvva, assistant manager  rao.muvva@ki.se
Jacob Michaelsson, FACS sorter facility manager  Jakob.Michaelsson@ki.se
Johan Sandberg, Chairman of the BSL3 Steering group  Johan.Sandberg@ki.se

Lars Frelin
Annika Karlsson
Ali Mirazimi
Sara Gredmark Russ
Piotr Novak
Service team ANA Futura
KI facility management
Akademiska hus

BSL3 ANA Futura
Cell sorter
The FACS team CIM
The BSL3 ANA Futura facility, equipment

- **Equipment:**
  - 3 Cell modules with totally
  - 5 Safety cabinets for cell-work
  - FACS sorting room
  - Ultracentrifuge (soon)

- **Planned for:**
  - Advanced (live) imaging
  - Sectioning/histology

- **Smaller equipment planned:**
  - ELISA-reader
  - Magpix
  - Fluorescence microscopy and camera
  - ELISPOT-reader

BSL3 ANA Futura, economy and fees

- **Responsible department:** Department of Medicine Huddinge
- We have KI core-facility support
- Main cost: Rent

**There will be two user fees for BSL3:**

- Per hour of usage* and per entrance**
  
  *600 SEK/hour

**Not decided yet, likely around 30 SEK per entrance

- Might be other solutions for regular users, incl possibility to rent space in the lab

**Usage of FACS sorter:**

- Included in the user fee for the BSL3 facility
Benefits of the facility:

The BSL3 facility at ANA Futura
- allow for research that has currently not been possible to perform at KI
- is fully equipped for cell work and have advanced equipment for further analysis
- is open for discussions regarding other equipment and help with projects

A unique aspect is the cell sorter:

One sorter inside BSL3 and one in BSL2
- Highly experienced FACS group with strong competence in sorting
- Training in BSL2 before starting in BSL3
- Can be used to sort cells from patients infected with BSL2/3-classified agents, including COVID-19 patients
How to get access?
- Contact Jonas Klingström or any other in the steering group
- Access request form is available at the ANA Futura BSL3 webpage:
  - https://staff.ki.se/bsl3-laboratory-at-ana-futura

Hope to see you in the BSL3-lab!

Please contact Jonas, Jagadeesh or any other involved if you have questions and/or are interested in the facility
Update from the Service team

Speaker: Rasmus Larsson, coordinator / technician, Service team ANA Futura

Service team webpage:
https://staff.ki.se/service-team-ana-futura
Update from the Service team

ANA Futura Service Team

Common service
- Lab and office furniture planning, installation
- Card access administration
- Coffee machine service
- Emptying of recycling stations

Technical service
- Preventive maintenance, calibration and reparation of lab instruments
- Coordination of service agreements for common lab instruments
- Freezer facility maintenance

Laboratory Safety
- Support and coordination related to:
  - Chemical safety
  - Biosafety
  - Radiation safety
  - Fire safety
  - Waste management

Washing facility
- Sterilisation/autoclaving of glass ware, solutions, items.
- Distribution of clean goods to glass storages.

Gods & logistics
- Package receiving
- Lab equipment moving within ANA Futura

serviceteam.anafutura@ki.se
https://staff.ki.se/service-team-ana-futura
Questions from the staff

★ ANA Futura ★