Digital ANA Futura information meeting

October 20, 2021
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
Welcome! – Matti Sällberg, Labmed, chair ANA Futura steering committee

“Teaching in 5” – Karin Garming-Legert, Dentmed

Presentation of the Centre for Bioinformatics and Biostatistics (CBB) – Carsten Daub, Director of CBB

Latest ANA Futura news – Lars Frelin, facility manager

Laboratory safety – “Do’s and don’ts” – Marjan Amiri, Labmed, Christer Matonog, Safety and Security unit KI

Questions from the staff
Welcome – chair ANA Futura steering committee

- Matti Sällberg – Head of Department, Laboratory Medicine
Bodil Lund – new head of Department of Dental Medicine – Dentmed (from October 17, 2021)
“Teaching in 5”

Speaker: Karin Garming-Legert, Programme Director for the Study Program in Dentistry, Dentmed

Presentation: “A tool for formative assessment”

Dental education webpage:
“Teaching in 5”

Teaching in 5

A tool for formative assessment

Karin Garming Legert
DDS, PhD
Program Director Study Program in Dentistry
Formative assessment

- Formative assessment refers to a wide variety of methods that teachers use to conduct in-process evaluations of student comprehension, learning needs, and progress.

- In other words, formative assessments are for learning, while summative assessments are of learning.
Lack of formative assessment and feedback in the clinical workplace

Medical students
- Structured observation done for only 7-23% of students (Kassebaum & Eaglen, 1999)
- Only 28% of IM clerkships include formative assessment strategy (Kogan & Hauer, 2006)

Post graduate trainees
- 82% were observed only once a year (Day et al., 1990)
- 80% observed never/infrequently (Isaacson et al., 1995)
Background – why do we need a digital tool for assessment and collection of data?

- Student-centered learning -> A need for assessment for learning and a tool to enable such assessment
- The compilation of detailed information is not always in a systematic or a standardized manner when used in formative assessment
- Students spend a considerable amount of time on practical placements supervised by several tutors
- Differences in quantity and quality of learner support is difficult to collate and analyze
- Program-level specific competences may be missed or lacking at the time students finish a program since that all marked assessments are carried out at a course level
- Facilitate gathering of data for ongoing quality assurance and to provide us with data for high quality information about learning and program outcomes
“Teaching in 5”

A digital platform for assessment and documentation

- Digital platform for the assessment of student’s performance with an associated e-portfolio for documentation of competence and learning

- A platform to:
  - promote self-directed-learning,
  - to provide feedback on students’ competences,
  - provide tools for analysis of learning and achievement,
  - and illustrate study progression

- Ongoing procurement. Implementation planned autumn 22
Workplaced based assessments, WBAs = formative assessment

- Developed to give students the opportunity to be observed in the clinical workplace
- Receive feedback to guide their progression
- Placed within a programme of assessment
- A range of WBAs as appropriate to intended learning outcomes
- Implemented in the digital platform
Place of WBAs in educational model of clinical competence

Miller GE The assessment of clinical skills/competence/performance Academic Medicine (Supplement) 1990; 65: S63- S67
Place of WBAs in educational model of clinical competence

WBAs = performance assessment in vivo, e.g., mini-CEX, DOPS, CbD, 360 degrees...

Performance assessment in vitro e.g., OSCE

Context based tests e.g., SBA, SAQ

Factual tests, e.g., SBA, SAQ

Miller GE The assessment of clinical skills/competence/performance Academic Medicine (Supplement) 1990; 65: S63- S67
Workplaced based assessment

- Real life situations in the clinical workplace = **clinical competencies**
- Multiple samples are required to **reliably assess clinical competencies**
- Multiple different assessors are required to **ensure fairness**
- **Feedback** is critical to learning and has a significant influence on achievement

*General education (Hattie, 1999) Meta-analysis of 12 meta-analyses: feedback is among the largest influences on achievement (ES=.79)*

*Medical education (Veloski et al., 2006) Feedback alone effective is effective in 71% of studies*
The mini clinical evaluation exercise, Mini-CEX

- Assessor supervises a student with a patient
- Student performs clinical task e.g. taking history, examination
- Assessor rates History, Physical Examination, Communication, Clinical Judgement, Professionalism, Efficiency
- Feedback given
- Usually takes 15-20 mins
- Value: expert opinion on student’s performance
## “Teaching in 5”

<table>
<thead>
<tr>
<th>Domains</th>
<th>Scoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>Needs further</td>
</tr>
<tr>
<td></td>
<td>development</td>
</tr>
<tr>
<td></td>
<td>Meets expectations</td>
</tr>
<tr>
<td></td>
<td>Exceeds expectations</td>
</tr>
<tr>
<td></td>
<td>Not observed</td>
</tr>
<tr>
<td>Physical</td>
<td>Needs further</td>
</tr>
<tr>
<td></td>
<td>development</td>
</tr>
<tr>
<td></td>
<td>Meets expectations</td>
</tr>
<tr>
<td></td>
<td>Exceeds expectations</td>
</tr>
<tr>
<td></td>
<td>Not observed</td>
</tr>
<tr>
<td>Communication</td>
<td>Needs further</td>
</tr>
<tr>
<td></td>
<td>development</td>
</tr>
<tr>
<td></td>
<td>Meets expectations</td>
</tr>
<tr>
<td></td>
<td>Exceeds expectations</td>
</tr>
<tr>
<td></td>
<td>Not observed</td>
</tr>
<tr>
<td>Clinical</td>
<td>Needs further</td>
</tr>
<tr>
<td></td>
<td>reasoning</td>
</tr>
<tr>
<td></td>
<td>development</td>
</tr>
<tr>
<td></td>
<td>Meets expectations</td>
</tr>
<tr>
<td></td>
<td>Exceeds expectations</td>
</tr>
<tr>
<td></td>
<td>Not observed</td>
</tr>
<tr>
<td>Professionalism</td>
<td>Needs further</td>
</tr>
<tr>
<td></td>
<td>development</td>
</tr>
<tr>
<td></td>
<td>Meets expectations</td>
</tr>
<tr>
<td></td>
<td>Exceeds expectations</td>
</tr>
<tr>
<td></td>
<td>Not observed</td>
</tr>
<tr>
<td>Organisation</td>
<td>Needs further</td>
</tr>
<tr>
<td></td>
<td>development</td>
</tr>
<tr>
<td></td>
<td>Meets expectations</td>
</tr>
<tr>
<td></td>
<td>Exceeds expectations</td>
</tr>
<tr>
<td></td>
<td>Not observed</td>
</tr>
</tbody>
</table>

### Feedback

**Anything especially good:**

**Suggestions for development:**

**Agreed action:**
Professionalism Assessment

ex. MSF (Multiple Source Feedback/360), TAB (Team Assessment of Behaviour), P-MEX (Professionalism Mini Evaluation Exercise), Mini-PAT (Peer Assessment Tool)

- Sample of health care colleagues’ opinions of professional performance
- Process
  - Student nominates 8 (or more) assessors & self-rates
  - Assessors
    - Score and comment on a variety of aspects of professional behaviour
  - All forms collated centrally
  - Student given self-ratings, assessor ratings & comments
Thank you for your attention!
Speaker: Carsten Daub, Director of CBB

CBB webpage:
https://ki.se/en/research/centre-for-bioinformatics-and-biostatistics-cbb
CBB Short Summary at ANA Futura

2021-10-20
Carsten O. Daub
Questionnaire

- September 2020
- >90 group leaders of all the KI departments located at Campus Flemingsberg
  - BioNut, CLINTEC, MedH, Dentmed, Labmed, NVS
- Interviews with 25 Group leaders

- More than 60% of groups expressed additional need for bioinformatics or biostatistics
- More than 60% of groups declared having financial resources for such support
CBB Planned Activities – Principles

- Current CBB activity plan is based on the interviews and questionnaire

- Plan will be adjusted as we learn what works well and what more is needed
CBB Activities (1)

- Information hub for guidance
  - Website
    - collecting Bioinformatics and Biostatistics resources in Sweden
    - answer the most asked questions
  - Book consultation meetings with CBB experts
    - 11 meetings so far

- Support for the early stages of the research process
  - Help with grant applications
    - How much Bioinformatics and/or Biostatistics do I need for my project proposal?
    - What do I write about Bioinformatics and Biostatistics so it might convince the grant reviewers?

- Coordinate with available resources at Campus Flemingsberg
  - With whom can I collaborate to address my Bioinformatics and Biostatistics needs?
  - Can I employ a Bioinformatician or Biostatistician together with another group?
CBB Activities (2)

• Support recruitments
  • Help writing open call texts to recruit Bioinformatics or Biostatistics staff
  • Help with candidate selection and interviews

• Mentor program
  • I want to employ a Bioinformatics/ Biostatistics but cannot supervise her/him
  • CBB offers mentors for Early-Stage Researchers (PhD students/ postdocs)
  • CBB might have to ask for financial contribution from the research group leader
  • Four mentorships for PhD students ongoing today
CBB Activities (3)

- Office space and social networking
  - Bioinformaticians and Biostatisticians can (every THU) sit in the same room to exchange about technical and conceptual questions
  - Starting October 28, 2021, in room Lipid, NEO

- Education
  - Seminars about Bioinformatics and Biostatistics concepts and methods
  - Doctoral courses

- Seminar series/ invitation of guest speakers

---

Welcome!
To the first presentation in a new seminar series hosted by the Centre for Bioinformatics and Biostatistics. The talk will discuss two methods developed to measure the impact of comorbidities by classifying the severity of disease conditions.

“Comorbidity index and survival”
with Hatel Darabi, Public Health Agency of Sweden

Monday October 11th, 12:00-13:00
Eva Möller and Zoom

Event in the KI calendar

Before the seminar, a limited number of sandwiches and drinks will be served on a “First come – first served” basis starting at 12:00. Show up early and network!

Upcoming presentations:
November 23, Gisela Memmes, ECDC and Department of Global Public Health, KI
December 16, Sandra Eloranta, Department of Medicine, Solna, KI
CBB Activities (4)

• Computational resources
  • Provide computer resources for temporary heavy computes

• Relationship to existing KI and national core facilities
  • CBB complements existing KI core facility services
  • Proximity at Campus Flemingsberg is important

• Relationship to CLINICUM
  • CBB is the Campus Flemingsberg hub for the KI CLINICUM efforts
CBB Current status

• Management group for 2021 in place
  • Annika Bergquist
  • Peter Stenvinkel
  • Carsten Daub, CBB director
  • Hannes Hagström, CBB Co-director

• Affiliate from September 2021
  • 0.6 FTE (e.g. 3 * 20%) Bioinformatician
  • 0.2 FTE Biostatistician

• Additional affiliated for 2022 depending on demand
Open aspects to be addressed

• Establish Steering Group
  • Starting early 2022

• Contribution of users to CBB
  • Financial contribution for some services
  • For example pay X% of a mentor

• Financial contribution of KI Syd departments to CBB
  • Discussions ongoing

• CBB reporting
  • Collect details so our stake holders understand and can comment on CBB activities
    • Departments KI Syd, CIMED, KI central
Latest ANA Futura news

- Actions to prevent unauthorized persons from entering ANA Futura
- Defibrillators
- Freezer facility update
- Survey about ANA Futura common labs
- Digital meeting room screens (Evoko)
- Video conference system
- Vending machine
- ANA Futura webpage
Latest ANA Futura news

Actions to prevent unauthorized persons from entering ANA Futura – Key points to remember

- Always have your KI badge clearly visible.
- If a person do not have a KI badge, please ask whom they are visiting or the purpose of the visit.
- Refer all guests to the front desk/reception, ANA Futura floor 7, staircase/elevator B.
- Do not let any person into ANA Futura without a KI badge. Instead, refer them to the front desk/reception.
- If you are using the automatic door openers, please stay and check that the door closes behind you and that no one walks in behind you.
- Call KI security guards if you notice unauthorized persons inside ANA Futura (08-524 860 60). In case you feel threatened, always call 112.
Latest ANA Futura news

Actions to prevent unauthorized persons from entering ANA Futura – New safety actions under implementation

- Limit the time that doors in the outer barrier are open
- Install a delay function on the door automation (3-5 seconds)
- Limit which doors in the outer barrier that can be used during evenings and weekends (*between 20.00 – 06.00 weekdays and 24/7 during weekends*)
- Increased patrol of guards in the ANA Futura / ANA8 building

- More information will be sent out shortly
Defibrillators in ANA Futura

- CPR (cardiopulmonary resuscitation) with defibrillation can save lives with sudden cardiac arrest. Several defibrillators are placed KI South.

- Within ANA Futura we currently have two defibrillators, one on floor 7 and one on floor 8

- Shortly, we will complement with two additional defibrillators
  - Floor 9: meeting room corridor
  - Floor 3: freezer facility corridor

- For information about where to find defibrillators: https://staff.ki.se/defibrillators-at-karolinska-institutet
Freezer facility update

- Dates for upcoming “liquid nitrogen safety courses”:

  **Next courses 2021**
  
  **27th October** | 09.00-12.00 | Venue: ANA Futura Lagerlöf, 4th floor | [Sign up here](#) (14 participants allowed).
  
  **16th November** | 09.00-12.00 | Venue: ANA Futura Lagerlöf, 4th floor | [Sign up here](#) (14 participants allowed).

  **Note!** Registration is binding! Face mask is mandatory.

- Safety equipment has been updated in the freezer facility (smaller air tubes)
- We will soon offer practical training sessions of the safety equipment
- A short movie about the safety equipment and routines has been developed and is recommended to watch once per year. It will soon be published on the webpage.

- **Freezer facility webpage:** [https://staff.ki.se/freezer-facility](https://staff.ki.se/freezer-facility)
Survey about ANA Futura common labs

- **Why do we perform a survey about ANA Futura common laboratories?**

  We have now been running laboratory work within ANA Futura for > two years. The survey will answer the current need and usage of shared laboratories/facilities, and what basic shared laboratories/facilities are requested and needed within ANA Futura in the future.

- **The survey will be sent out this week to all group leaders in ANA Futura (=50 respondents). PI’s: please discuss with members of your research group prior to answering the survey or answer the survey together with your group members.**

- **Your answers and input are very important** to develop ANA Futura’s shared laboratories and facilities in the best possible way.
**Digital meeting room screens (Evoko)**

- **Status LED color** (green, orange and red)
- **Check-in:** the check-in feature is an efficient way to prevent "ghost meetings" i.e. to free up rooms where no-one shows up for the booking. However, remember to check-in, latest 15 minutes after your meeting started. Otherwise, it will be cancelled and directly bookable for others.

- **Meeting series:** if you book a meeting series and one time-point is occupied, all meetings in the series will be cancelled.
Video conference system

- **Currently four meeting rooms** in ANA Futura are equipped with video conference system, enabling hybrid meetings with some staff on site and some staff participating online
  - Yalow floor 9 (18 people)
  - Fleming floor 9 (18 people)
  - Koch floor 9 (12 people)
  - Insulinet floor 7 (24 people)

- **The Steering Committee ANA Futura has decided** to invest in a video conference system also in meeting room “Von Behring”, floor 9, 54 people

- We are also looking into a possible solution for the lunch room (Mattorget)

- **Information about our meeting rooms**: [https://staff.ki.se/meeting-rooms-ana-futura](https://staff.ki.se/meeting-rooms-ana-futura)
Vending machine

- The Steering Committee ANA Futura suggest that we install a vending machine for lunch meals, drinks and snacks

- What is your opinion about a vending machine in ANA Futura?
How to contact the ANA Futura Service team

- Send your tickets to: serviceteam.anafutura@ki.se
- Telephone: 08-524 836 41
- Talk to any member of the Service Team
- Webpage: https://staff.ki.se/service-team-ana-futura

**PLEASE REMEMBER**: regardless, who you contact in the service team, its members will internally coordinate who will assist you.
ANA Futura webpage

- Most information about ANA Futura is to be found on our webpage

- https://staff.ki.se/ana-futura-for-staff
Laboratory safety – “Do’s and don’ts”

Speaker: Marjan Amiri, Labmed, and Christer Matonog, Safety and Security unit KI

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

Safety and security webpage:
https://staff.ki.se/safety-and-security
Fire safety

- It is mandatory for all employees to participate in the fire safety introduction.
  - Everyone is welcome to re-attend the introduction.

- It is mandatory to attend KI:s basic fire training and it should be repeated every 4th year. [https://ki.se/en/staff/fire-safety](https://ki.se/en/staff/fire-safety)

- The fire alarm displays inform you about a fire in your premises or the nearby premises, a low alarm signal (from the display) is for your attention. It is not the same as an evacuation alarm!

- You do not need to evacuate if you hear an alarm from another sections (check the fire alarm display for information).

- Flashing white/red lights in the sealing indicates air pressure deviation (not the same as fire alarm).

- You need to evacuate only when your local fire alarm is activated (red flashing light and siren).
Laboratory safety – “Do’s and don’ts”

Fire safety

- **Fire alarm**
  - **Look for the cause in your vicinity**
  - **No fire or visible cause**
    - Evacuate to the assembly point
    - Wait until further notice from the Fire Warden, Fire Brigade or Akademiska hus building technician.
  - **In case of fire**
    - RESCUE people in immediate danger
    - **CALL 112**
    - Try to **EXTINGUISH** the fire
    - **Not possible to extinguish**
      - Close door/doors and evacuate to the assembly point.
      - Wait at the assembly point until further notice from the Fire Warden, Fire Brigade or Akademiska hus building technician.
    - **Fire extinguished**
      - Close door/doors and if possible open windows to ventilate the area of the fire. Call 112 and inform that the fire is out.
      - Evacuate to the assembly point and wait until further notice from the Fire Warden, Fire Brigade or Akademiska hus building technician.
Chemical safety

- All chemicals must be registered in KLARA and have a barcode.
- Flammable chemicals should be stored in fireproof cabinets at all times (when not in use).
- Chemical rooms are restricted for only persons with access due to safety reasons.
- CMR chemicals, CLP classified as H340, H350 and H360 are only allowed to be used in ventilated safety benches.
- Chemical waste containers must be labelled with content, hazard symbol and date, before transfer to the chemical waste room at the 4th floor.
- ANA Futura general lab rules are updated with new data, including chemical spill routines.
Spillage alarm

- In the event of a chemical spill requiring evacuation, an alarm can be activated manually by pushing the blue button. (one fire compartment)
- A local alarm with an orange light will flash within the same fire compartment, no sound!
- Close doors to prevent the chemical spill from spreading and post a note on doors.
- Once the area has been evacuated only authorized personnel may enter the premises until decontamination is completed.
- Inactivate the spill alarm manually, by pushing the same blue button used for activation.
- The alarm might be accidently activated, so check around for any reason for the alarm, if no reason can be found, just inactivate the alarm.
Questions from the staff

★ ANA Futura ★