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Date: 2022-11-05

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Individual proposal on mass spectrometry imaging activity for 2023

On March 27-29 there will be a regional imaging mass spectrometry workshop in Uppsala (see schedule below). I propose to arrange an open house in conjunction to this meeting for individuals who are interested in learning about mass spectrometry imaging with nano-DESI.

Nano-DESI MSI is one of the newest MSI techniques that are used today and attracts users due to being complementary to other MSI techniques, and the flexibility in solvent adaption for targeted extraction and ionization of analytes. Currently, there are two established and less than a handful up-rising labs that are using nano-DESI MSI. One of the established labs is the Lanekoff lab which is located at the biomedical center in Uppsala where the regional imaging mass spectrometry workshop will take place in 2023. Since the curiosity of nano-DESI among senior and junior researches is high, this would be a great opportunity to educate the MSI community on the details of the technique and even offer hands-on training.

To not interfere or compete with the already planned workshop, I propose to offer two types of open house that are before and after the scheduled meeting:

March 27: Four 1,5 hour sessions that include a short lecture followed by a nano-DESI demonstration in the lab.

March 30: a short lecture followed by a full day hands-on training in the lab, this session will be limited to 6 individuals.

I envision this to be an event for education within MSIS and therefore free of charge for its members. I also suggest that attendance is open both for participators and non-participators of the regional meeting. However, if more than 6 individuals are interested in participating in the full day hands-on training, I want to have the freedom to select the participants based on the reason for their interest.

To make this happen, there is no need for financial contribution from the MSIS since the cost for the lecture room will be covered by the Dept. of Chemistry – BMC and I will cover the costs for instrument time and supplies via my own funds. However, I think it would be nice if the MSIS could sponsor a lunch for two tutors and participants

(MSIS members) on the full-day educational event. The estimated cost for this would be $8 \cdot 130 = 1040$ SEK ≈ 95 euro.

Additionally, I ask for support regarding advertisement on the website, the newsletter, and social media to make sure that everybody with an interest has the opportunity to participate.

Finally, I will be open to any suggestions from the GA to modify and improve this proposal.

Thank you for your consideration,

A handwritten signature in black ink, appearing to be 'Ingela Lanekoff', written over a horizontal line.

Ingela Lanekoff
Uppsala University

From the website for the regional MSI meeting
(<https://www.lakemedelsakademin.se/produkt/regional-mass-spectrometry-imaging-spring-workshop/?lang=en>):

“The MSI meeting starts (March 27) with a workshop at the BioMedical Centre (BMC), Uppsala University consisting of four 1.5 – 2-hr sessions (limited number of seats). It is also possible for sponsors to organize and present at such workshop session. In the afternoon/evening of the 27th there will be a plenary talk with subsequent refreshments. The meeting continues at the Uppsala Konsert & Kongress, March 28th – 29th with meeting sessions.”