

The Copenhagen Innovative Microarray Workshop.

22 Jan. – 23 Jan. 2008

1st phase

It is a pleasure to confirm your participation in the upcoming microarray workshop in Copenhagen.

As you have read in the workshop outline, the focus is innovation with respect to DNA microarray. Arrays are not just about glass slides and spots in a picture. There is much more to it than that, and I would like to underline that the entire procedure from assay to scanned slide can be a target for your ideas and our joint development of protocols. It is my expectation that we will finish what we start; that is, if we decide on day one to set up three protocols, that is what we will have when we finish in the evening on the 23rd. As you have already realized, you will be very active at this workshop and the key to getting through these two days is working together.

Most of you have been working with microarray for years, while others have only scratched the surface but it is just this kind of composition of people that is needed to make a dynamic process. I am certain that the combination of fresh eyes and experience will take this workshop to a higher level.

So bring along your ideas, your best intentions, your good humour and open minds to Copenhagen to make this an unforgettable workshop.

Best regards
Hugo



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Workshop Outline

- Purpose** The purpose of the workshop is to develop new ideas within microarray which can contribute to making microarray more specific, robust and quantitative. The focus will be on *Salmonella* DNA array.
- Background and Idea** The idea of the workshop is to develop and test a number of protocols from the participants' original ideas. Every protocol will be the basis for a number of laboratory experiments that the participants and/or their associates should conduct. After the laboratory experiments, the participants will get together and evaluate the results from the different protocols.
- Time frame:** Phase one: This phase will take 2 whole days. When the protocols are finalised, the materials and reagents that are necessary to carry out the finished protocols will be acquired.
- Phase two: To avoid "vendor problems", participants ought to expect a period of approximately 2 months or more before experimentation in the lab begins. Every protocol that is to be tested should expect it to last for two days.
- Phase three: After the last protocol has been carried out, all of the participants will meet for one day to evaluate the protocols and results.
- Equipment** The equipment you are going to use in phase two of this workshop is a Genomic Solutions Microgrid II, model 610 microarray printer. It has a 120 slide and 48 pin capacity. We have a Genomic Solutions Hyp4 hybridisation station that can take 2x6 slides at a time. Our scanner is a GenePix 4200A Professional from Molecular Devices equipped with red and green laser. Other normal lab facilities and equipment are at your disposal.

Phases

1. From idea to protocol:
The participants will present their ideas and thoughts and everybody will give input and contribute to trim, change, and fuse and develop the ideas. After all of the ideas have been put forward and thoroughly discussed, the participants will decide which of the ideas are best suited and most likely to result in workable protocols. The protocols must contain all of the necessary steps that make it possible to conduct a real experiment in the laboratory. All materials (primers, probes, buffers, enzymes, reagents, fluofores, etc.) must be listed in the finished protocol, as extensively as possible. This includes sequences, DNA, id for strains, etc.
2. Experimental phase:
The protocols that have been produced in phase one will be tested in the laboratory – real time. The participants that are engaged in the different protocols will do the experimental work which may take 1-2 days per protocol. Experiments will be done at the Mørkhøj Bygade site in Copenhagen so that all protocols are tested in the same environment.
3. Evaluation:
When all of the protocols have been put into practice, the participants will meet to evaluate the results. All setups and protocols will be examined and evaluated individually on the basis of results, discrimination/cut-off, statistics, workflow, price, handling, etc., all of which will be written in a document as a starting point for an article on each protocol.

Program of the Days:

Agenda

22. January

- 8:30-9** Introduction and organisation of the workshop.
- 9-11** Introductory presentation of participants' ideas, roughly 5 minutes for initial presentation of each idea and 5 minutes for discussion.
- 11-12:30** Brainstorm with additional ideas for new microarray protocols, which might be interesting to develop
- 12:30-13** Discussing criteria for selecting the ideas that is to become protocol
- 13-14:30** Lunch
- 14:30-15** Organisation of workgroups
- 15-18** Discussion in workgroups
- 18-19** Finishing up for the day. How far are we?
- 19-?** Dinner and social event

23. January

- 9-13** Discussion in workgroups
- 13-14:30** Lunch
- 14:30-17** Presentation and discussion in plenum

Electronic tool:

In this workshop we are going to use free online office tools. We, in Copenhagen have already started to use the office tools provided by Google for all procedures, protocols, safety instructions etc. regarding the microarray laboratory.

As many of us have very restrictive IT-regulations at our workplaces, probably not everyone will be able/allowed to log on and use these tools with your work computer. You might therefore consider bringing your personal laptop if you have that option. In any case, the only thing that you have to do is to sign up for a free gmail account which require a login (an Email address) and a password. Then you can pick the individual programs (Google Doks) you need, and share what ever document you are working on with the rest of the workshop. Please clear this with your IT personnel as soon as you can and report back to me (Hugo) if this is not feasible.

It is the plan to have all material, procedures and protocols available online and shared with all participants, not only during these two days but through all three phases of the workshop. In this way everybody can help on another on all protocols.

The way to register for a Google account (gmail) is to follow this address: <https://www.google.com/accounts/NewAccount>

After this you log on to "My Account" in the Google search page, and under "try something new" you press **More** and find Google Doks.

The Participants:

Participants of the Copenhagen Innovative Microarray Workshop, 22-23 January 2008

Name	Title	Organisation	email	Phone nr.
Anna Brisabois	Dr	AFFSA - Agence Francaise de Securite Sanitaire des Aliments, France	a.brisabois@afssa.fr	+3349772826
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The Hotel:

We are going to stay at the Ascot hotel near the Copenhagen main train station (HOVEDBANEGÅRDEN) and right at Copenhagen's central square.



The hotel address is:

Ascot Hotel
Studiestrædet 61
1554 Copenhagen V- DK

The hotel has a homepage <http://www.ascot-hotel.dk/front-page.aspx> where you can get all the relevant information you need regarding the hotel and its facilities.

The wireless network is free to use.

Practical information:

Rooms are available from the 21 January 2008.

Fruit and water, tea and coffee will be available in the meeting room.

A social event is planned for Tuesday evening.

Transport to and from Copenhagen airport is either with taxi or train