



Genomic Arabidopsis Resource Network

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I am very pleased to inform you that application for GARNet's Transcriptome analysis at NASC, the Nottingham Arabidopsis Stock Centre, is now open! The service available uses Affymetrix gene chip hybridization. We expect that transcriptome analysis with Micro Arrays, which is complementary to the Affymetrix gene chip hybridization, will be available early in 2002.

The BBSRC has awarded a grant to purchase the hybridiser, and is also subsidizing the chips. In the first application round 100 chips will be available, and the successful applicants will only be required to pay a contribution to the hybridization costs.

Application is possible via the GARNet web site <http://garnet.arabidopsis.org.uk>. The first Application Deadline is 08/10/2001. The Steering Committee will then take a couple of weeks to evaluate and prioritize the applications. In the meantime, the hybridiser will be tested. But keep in mind: the first round of experiments will also be used for perfecting the use of the hybridiser.

We don't know yet how many controls will be required, but as soon as that information is available it will be published on the GARNet and NASC web sites.

All the information you need to apply is on the web site, but potential gene chip users will be interested to know that details of the service and examples of its use will be presented at the second GARNet functional genomics meeting, and the transcriptomics service provider, Sean May, will talk about the preliminary tests that have been carried out up to that time.

The GARNet meeting is again in collaboration with the Brassica IGF (Investigating Gene Function) functional genomics programme 'Health and wealth from Brassica'.

The meeting takes place at the University of York, on September 27 and 28, 2001. If you would like to attend, please register now via <http://garnet.arabidopsis.org.uk>. Registrations have increased over the last couple of days, so don't leave registering too long! Last year we had to disappoint some people. Should the meeting get oversubscribed then I will take the registration form off-line.

The registration deadline is 10/09/2001.

A very attractive program has been put together, including speakers such as:

- GARNet Service Providers for Micro Arrays, Proteome Analysis, Metabolite Analysis, Tools for Forward and Reverse Genetics, Brassica genome alignment.
- Stacey Harmer, (Steve Kay Lab) Scripps - Circadian regulation of gene expression in Arabidopsis.
- John Walker, Univ. of Missouri - Genetic Dissection of Trans-membrane Signalling in Arabidopsis thaliana.
- Jose Luis Riechmann, Mendel Biotechnology - Arabidopsis Transcription Factors: from bioinformatics to gene function.
- Ken Birnbaum, (Phil Benfey lab) New York Univ. - Deciphering Transcriptional Networks: High Throughput Transcript Localization and Analysis in Arabidopsis.
- Jacques Joyard, CEA Grenoble - Development of new technological and methodological tools for membrane proteomics.
- Cathie Martin, JIC - Functional genomics of plant transcription factors; can anyone do it and how much work is involved?
- Ray Elliott, Syngenta - Agrochemicals & genetically modified crops: - multi-component analysis/metabolomics - shifting paradigms.
- Andrew Millar, Warwick - Targeting Quantitative genes in Brassica and Arabidopsis.

- Isobel Parkin, AAFC Saskatoon - Development and utilisation of an integrated set of genomics resources for Brassica napus.
- Renate Schmidt, Max Delbrück Laboratory - Genome evolution in the Brassicaceae family: lessons from comparative genomics at the DNA level.
- Celia Knight, Leeds Univ. - PEP: the Physcomitrella EST Programme.

All the best,

Karin

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