

NMR Discussion Group, Analytical Section KNCV

It is a pleasure to invite you to the next scientific symposium of the NMR Discussion Group, to be held in Groningen at the premises of GBB at the University of Groningen on Friday 24 October 2003.

The lecture hall, lunches, coffee, tea and refreshments are offered by the local organization GBB and BioMade in collaboration with the NMR-DG. We are grateful to Bruker Nederland and Spectra Stable Isotopes (Suraj Manrao) for their financial contribution that enabled us to invite a prominent speaker from the U.K. (Prof. C.M. Dobson) to enforce our symposium. Hence there will be no registration fees for the symposium.

Location: University of Groningen

Nijenborgh 4, 9747 AG Groningen

Local organization: Dr. Ruud Scheek

Biophysical Chemistry Department, University of Groningen

Nijenborgh 4, 9747 AG Groningen

Phone 050-3634328, Fax 050-3634800

Program:

10.00 Reception with coffee.

Chair: Nico van Nuland

10.30 Opening and Welcome by George Robillard, *BioMade Groningen*

10.45 Ruud Scheek, Pieter Buur, Franciska van Lune, Berk Hess, *University of Groningen*,

Residual dipolar couplings: a shortcut to protein structure determination

11.15 **Keynote lecture:** Chris Dobson, *University of Cambridge, U.K.*

The role of NMR spectroscopy in studies of protein folding and misfolding

12.00 Gregg Siegal, Ron Heetebrij, John van Duynhoven, Sophie Vanwetswinkel, Johan Hollander, *Leiden*

University, **Target Immobilized NMR Screening (TINS): Pushing the boundaries of drug discovery**

12.25 - 13.25 Poster session and lunch buffet offered by BioMade Groningen

Chair: Pieter Magusin

13.25 Kazuo Yamauchi, Hans Janssen, Jan van Bentum, Arno Kentgens, *Nijmegen University*,

Development of Microcoil Probeheads for Solid State NMR Applications

13.50 Cedric Bernard, Nocky Derix, Michael van der Horst, Klaas Hellingwerf, Rolf Boelens, Nico van Nuland, Rob Kaptein, *Utrecht University*, **NMR characterization of light-induced intermediates of Photoactive Yellow**

Protein

14.15 Victor Litvinov, *DSM Research, Geleen*, **Real-time NMR. How fast can we do it?**

14.40 Vladimir Chupin, Rutger Staffhorst, Anton de Kroon, Ben de Kruijff, *Utrecht University*, **Molecular organization in cisplatin nanocapsules: lipid-coated nanoprecipitates of cisplatin with high cytotoxicity.**

A solid state NMR study

15.05 – 15.20 Posters and Coffee/Tea

Chair: John van Duynhoven

15.20 **Keynote lecture:** Cees Hilbers, *Nijmegen University*, **NMR: past, present and future**

16.05 Gustav Strijkers, *Eindhoven University of Technology*, **In-vivo characterization of cardiovascular diseases with MRI**

16.30 Closure & Reception with drinks offered by BioMade

Poster session

Please send us full details on the posters to be presented on behalf of your institute or company (Title, Authors, Name of the presenter and Name of the Institute(s)) not later than Friday, October 10. The titles of the posters will be e-mailed in the week before the meeting. The NMR-DG will award the best poster presentation with a prize.

Registration

We have restricted this mailing to our e-mail addressable members. We therefore urge all of you to make people at your institute aware of this NMR-DG meeting. For those of you who received the information of the coming symposium through colleagues, please, tell us your email address to ensure that you receive forthcoming mailings.

To make the necessary preparations for the lunch and the poster session, the registration deadline has been set at Friday, October 10, 2003, 5.00 PM. Registration is possible by phone, fax or e-mail with the secretary of the Department of NMR Spectroscopy in Utrecht, Phone: 030-2532652, Fax: 030-2537623, e-mail secr@nmr.chem.uu.nl.

Board of the NMR-DG

As of July 2002, the board of the NMR-DG consists of:

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We hope that this symposium will be as successful as many of the preceding ones and will attract a large audience. You can contribute to this success by ensuring that everybody that may be interested in the symposium knows of it. In this way you help to realize the aims of the NMR-DG Meetings: to be a platform for exchanging experiences between all NMR Users in the Netherlands (and Belgium), whatever their specific interest, from universities, large research and technological institutes, and industries. The NMR-DG does not charge membership fees. Persons interested in attending the symposium that are not members of the NMR-DG are welcome to attend the symposium, free of charge, provided they register for attending the symposium.

18 September 2003

Nico van Nuland, John van Duynhoven, Pieter Magusin