

UPDATED INFORMATION !

Announcing a short IAP course:

Microsample NMR

Protocols, practice, and applications using capillary tube constructs and capillary flow methods.

***Thursdays, February 19, 26, March 4 and 11,
Department Chemistry, Frick laboratory, Washington Rd.
7pm – 9:30pm
DuPont Seminar Room (Rm.324)***

A short IAP course in four installments with focus on NMR analysis of mass-limited samples will be presented. Capillary tube constructs, which accommodate much less than the usual volume but otherwise use the conventional probehead and technology, are among the major applications to be covered. The other half of the schedule will be spent on capillary flow NMR methodology and applications, using the 600 MHz $^1\text{H}/^{13}\text{C}/z$ -gradient probehead, which requires as little as few microliter sample volume. The course will present many practical details, and will include some hands-on practice as well.

We invite researchers and students both from academia and industry, who deal with or might have small quantity samples, and anyone who is interested in learning about this powerful technology and new applications.

Attendance is free and unrestricted. For further information and to register, please contact:

István Pelczer (ipelczer@princeton.edu, 609-258-2342, fax: 609-258-6746).

Updated schedule (as of 02/18/04) :

February 19th (I. Pelczer)

Mass, volume, concentration, sensitivity –
the numbers and options

Principles of capillary tube and flow NMR

Which method, when?

Capillary tube constructs

February 26th (I. Pelczer)

Cryoprobes and capillary tube applications

Cryo-flow NMR

Hands-on practice

March 4th (Tim Peck, Ray West, David Detlefsen – Protasis/MRM, Novatia)

Capillary flow NMR – latest technology and
applications

March 11th (Scott Smith – Merck, and I. Pelczer)

Real-life experience with CapNMR in industry

High-throughput vs. one sample at a time

Hands-on practice