Wiener Biometrische Sektion
der Internationalen Biometrischen Gesellschaft
Region Österreich – Schweiz

http://www.akh-wien.ac.at/wbs/

Einladung zum

Biometrischen Kolloquium

Am Montag, dem 6. Oktober 2003, 16:15 Uhr

im Hörsaal II des
Instituts für Krebsforschung[*],
Borschkeg. 8a, A-1090 Wien
Tel. 4277 65182

Es spricht Herr Prof. Dr. **Tze Leung Lai** vom Department of
Statistics der Stanford University zum Thema:

Power, sample size and adaptation considerations in the design of group sequential trials

Wir hoffen und freuen uns auf zahlreichen Besuch !

Thomas Waldhör   Karl Moder
Präsident   Sekretär

[*] neuer Hörsaal-Container vor Altbau des Institutes, Eingang 15 m links des
Haupteinganges des Instituts (Neubau)

Abstract:

Power, sample size and adaptation considerations in the design of group sequential trials

We describe a class of flexible and efficient group sequential designs for one-sided and two-sided tests of treatment differences. Efficiency is measured in terms of the expected sample size and power function, under pre-specified constraints on the maximum sample size and Type I error probability. These designs achieve efficiency by adapting to the information about the unknown parameters during the course of the trial. Moreover, they are flexible enough to circumvent the difficulties due to "information time" versus "calendar time" that arise in complex settings such as time-sequential clinical trials comparing the failure times of two treatments.