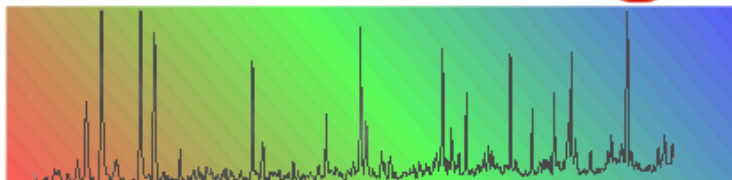




SAS-Chicago



February Joint Meeting with CCDG

Wednesday, February 10, 2010

The February meeting will be held at the Holiday Inn, located at 1000 Busse Road, Elk Grove Village, IL 60007. See the map on the following page.

Social Hour: 5:30 PM

Dinner: 6:30 PM

Speaker: 7:30 PM

Accelerator Mass Spectrometry Ultra-sensitive Applications in Drug Development and Personalized Medicine

by

Ali Arjomand, Ph.D.

President and Scientific Director

Accium Biosciences

Accelerator mass spectrometry (AMS) is a detection platform capable of routinely performing high-precision ultra-sensitive quantitation of radiolabeled molecules in clinical samples. AMS was first widely adopted by archeologists for radiocarbon dating applications and found applications in the biological and pharmaceutical sciences starting in the early 1990s. AMS has since demonstrated unique problem-solving ability in nutrition science, toxicology and pharmacology. AMS has also enabled the development of new applications such as Phase 0 microdosing studies. Recent deployment of AMS-enabled applications has transformed this novelty research instrument into a valuable tool within the pharmaceutical industry. Specific advantages of AMS-enabled clinical studies include (i) ultra-sensitive method with attomole (10⁻¹⁸) sensitivity in a clinical setting; (ii) very little sample is required for quantitation; (iii) sample preparation requires little or no method development and measurement is free of ion suppression or matrix effects; and (iv) reduces radioisotope exposure to study subjects and often eliminates the need to handle samples and waste as radioactive material. Although there is now greater awareness of AMS technology, appreciation for the range of AMS-enabled applications is still lacking, as well as recognition of some of its limitations.

This presentation will provide further insight into AMS instrumentation and offer examples of AMS-enabled metabolite profiling, mass balance and absolute bioavailability studies. New AMS-enabled protocols in personalized medicine will be presented including applications for the individualized therapy of glioblastoma multiforme, the most deadly form of brain cancer.

Please make your dinner reservations for the upcoming meeting by email at SAS.Chicago1@gmail.com, using our online form <http://www.sas-chicago.org/Online%20Registration%20at%20Elk%20Grove%20Holiday%20Inn%20.htm> or by calling Slav Stepanovich at 847-421-2056. Leave your name, company affiliation, a telephone number and the dinner selection. Please call by noon Monday, February 8th, so that proper arrangements can be made with the restaurant. If you can't attend, cancel by Friday.

Dinner will be server buffet style

Dinner Cost Members: \$30

Students and Unemployed Members: \$10

Non-members: \$35

Biography

Dr. Arjomand is founder of Accium BioSciences and is responsible for Accium's commercial AMS services and operations. He serves as Scientific Director for Accium's AMS-based studies and is responsible for each sponsor's bioanalytical project. Dr. Arjomand obtained his Doctorate in 1998 from the University of California in Davis under the guidance of Dr. Andrew Clifford. He designed and conducted the first human microdosing study using AMS in a joint research effort with Lawrence Livermore National Laboratory (see publications). Prior to co-founding Accium, Dr. Arjomand was Director of Technical Business Development at CombiMatrix Corporation, a publicly traded genomics biotechnology company. Dr. Arjomand co-lead the development of commercialization strategies and oversaw the expansion of the company's DNA chip products into the U.S. and Asian markets. Prior to joining CombiMatrix, Dr. Arjomand was lead technical consultant for chromatography at Bio-Rad Laboratories.

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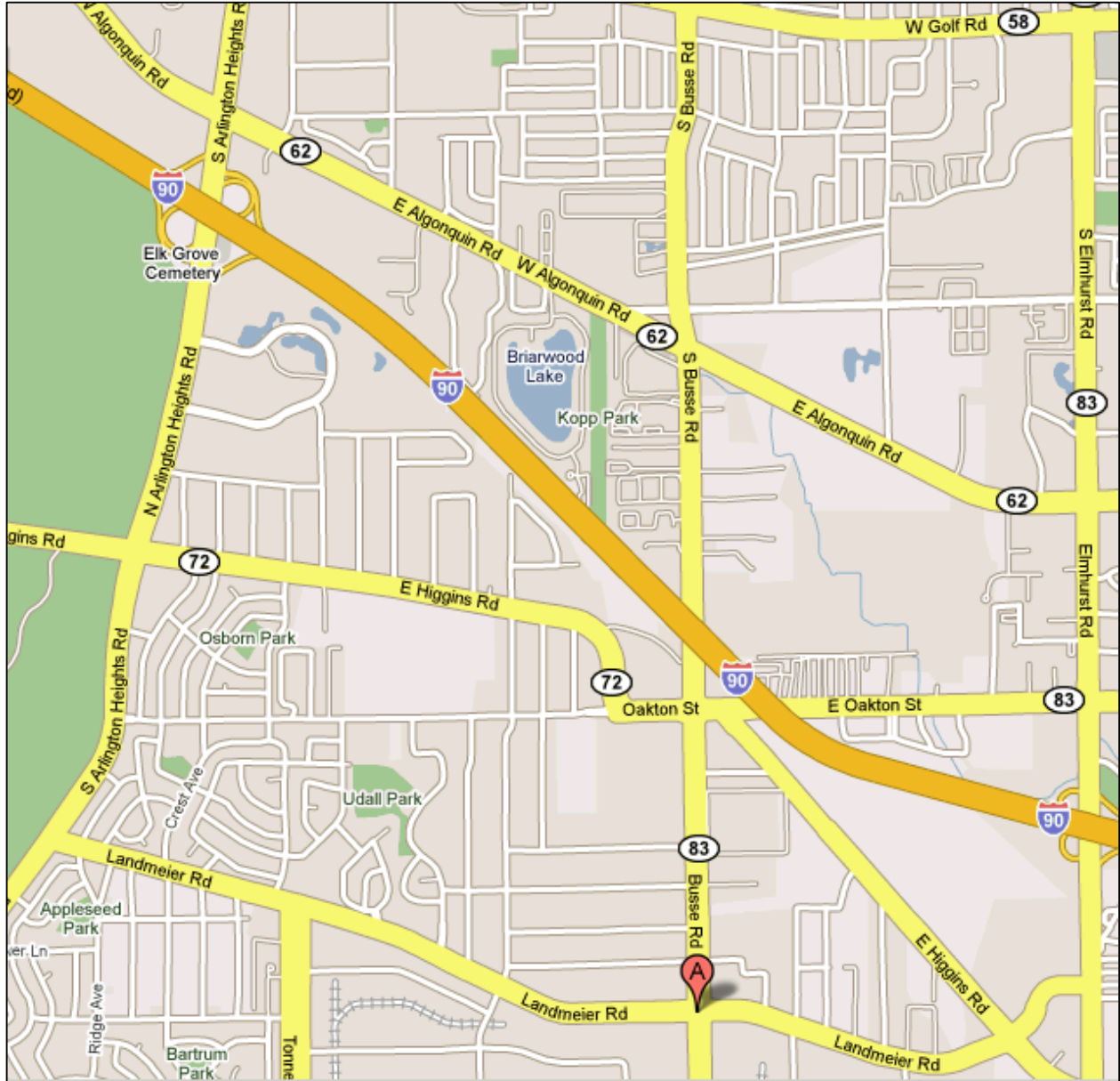
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