Microscopic and Chemical Methods of Identification of Botanicals and Contaminants in Dietary Supplements
February 3-6, 2014
College Park, MD, USA

Level: Intermediate

Instructors:

Dr. George Ziobro, U.S. FDA,
Stanley Cichowicz (FDA-retired)
Dr. Michael Tims, Maryland University of Integrative Health
Dr. Janie Dubois and Romina Heymann,
University of Maryland

Topics Covered in the Course:

Regulation in the U.S. concerning dietary supplements
Quality Assurance, including GMP
Supply chain management: How do you verify?
Receipt of raw material, testing -
  • Sampling: Is it representative?
  • What is the question you are asking?
  • Identity
  • QA specs: Is it what you ordered?
  • Potency
  • Qualifications for rejection: How do you detect if it is adulterated (diagnostic characters and objective criteria)
  • Basis for criteria: What standards are available/do you have for criteria, how do you maintain the standards?
Good laboratory practices, introduction to ISO 17025

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Techniques Used in Laboratory Work:

- Microscopy at low and high magnification
- Polarized microscopy
- Digital imaging under the microscope
- Thin Layer Chromatography (TLC)
- Introduction to liquid and gas chromatography with various detectors

Registration:

Tuition: $1,200 USD (Includes all course material and lunches)

Registration Deadline: January 24, 2014

Language: English

Travel: Participants are responsible for their travel arrangements and costs.

Register at [http://ifstl.jifsan.umd.edu/upcomingClasses/](http://ifstl.jifsan.umd.edu/upcomingClasses/)

A glimpse of what happened in past courses: