

Validated Pharmacodynamic Assay Training

Course: MET Immunoassays

For more information on upcoming training dates please contact
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The National Cancer Institute's Division of Cancer Treatment and Diagnosis (DCTD) invite investigators to receive training on validated MET Immunoassays. These immunoassays quantify intact MET, and specific phosphorylated MET levels (i.e. pY1234 and/or pY1235) as pharmacodynamic measures of chemotherapeutic agents.

DCTD-sponsored research emphasizes both drug development and molecular target identification and assessment. Validated PD assays and specimen handling standard operating procedures (SOPs) are integral to obtain accurate information about drug effect on intended molecular targets in early clinical trials and inform clinical development.

DCTD has established the Pharmacodynamic Assay Development and Implementation Section (PADIS) and the National Clinical Target Validation Laboratory (NCTVL) at Leidos Biomedical Research, Inc. to develop and validate PD assays suitable for Phase 0, I, and II clinical trial applications with molecular-targeted agents.

The MET Immunoassays are being transferred to the cancer research community, with training and certification provided at the Frederick National Laboratory for Cancer Research (FNLCR) campus. Additional training and certification sessions, including sessions on validated assays and SOPs for new drug targets, will be scheduled in the future. For further information see the DCTD Biomarkers Web site at <http://dctd.cancer.gov/ResearchResources/ResearchResources-biomarkers.htm>.

DCTD announces training for the cancer research community on its validated MET Immunoassays. The immunoassays quantify changes in Intact MET and specific key MET phosphospecies (i.e. pY1234/1235) as a means to understand target pharmacodynamics, including molecular target engagement, mechanism of action and duration of effect.

The goals of the training are as follows:

- i) Achieve user proficiency via NCI-led training and certification.
- ii) Maintain assay performance during transfer to outside sites.
- iii) Ensure uniformity across all sites conducting the assay.

Description

MET Immunoassay training will be conducted at the FNLCR campus in Frederick, Maryland by senior scientific staff from DCTD's Leidos Biomedical Research, Inc., who developed and validated the MET Immunoassays and Specimen Handling SOPs. The training session will be tailored to the needs of a clinical research laboratory.

Learning Objectives

- Review Specimen Handling SOPs and prepare tumor biopsy extracts in compliance with SOPs.
- Master step-by-step performance of the Intact MET and Dual Phospho-Y1234/1235 MET Immunoassays, including instrumentation, data analysis and reporting, troubleshooting and quality control.
- Understand the importance of reagent quality and consistency for obtaining valid results as they pertain to the success of early-phase clinical trials.

Registration Information

Please complete the attached registration form and send by e-mail to Katherine Ferry-Galow, ferrygalowkv@mail.nih.gov (fax: 301-846-5206). All registrants will be notified once training dates have been selected with admittance prioritized according to receipt of registration and preference given to individuals from site participating in NCI clinical trials.

There will be no charge for registration, training, and transportation between the preferred hotel and the training site. The trainees will be responsible for their accommodations, meals, transportation to and from Frederick, Maryland, and any other costs incurred during training. For additional information please contact Katherine Ferry-Galow by phone 301-228-4665 or e-mail (ferrygalowkv@mail.nih.gov).

Preferred Hotel

Those interested in staying at a hotel convenient to the training site, with free transportation to and from the training site, may contact the Hampton Inn & Suites.

Hampton Inn & Suites Frederick-Fort Detrick

1565 Opossumtown Pike
Frederick, Maryland, 21702
Phone: (301) 696-1565 **Fax:** (301) 696-1545

<http://hamptoninn.hilton.com/en/hp/hotels/index.jhtml?ctyhocn=FDRHSHX>

Airport Transportation

Airport-specific Transportation Links

- [Reagan National Airport \(DCA\) Ground Transportation Information](#)
- [Dulles International Airport \(IAD\) Ground Transportation Information](#)
- [Baltimore/Washington International \(BWI\) Ground Transportation Information](#)

Shuttle/Limousine Services

- [Airport Quick Connection](#)
- [America Limousine & Bus Service](#)
- [Atlas Limousine & Sedan](#)
- [BWI Car Service](#)
- [KV Limo](#)
- [Super Shuttle](#)

Restaurants

Below are links to Frederick restaurants. The hotel Web site has listings for nearby restaurants under their dining tab. Note that some restaurants may require reservations at least 1 week in advance.

- [Eat in Frederick.com](#) Restaurant Guide – restaurants in Frederick arranged by cuisine type and searchable by restaurant name.
- [Frederick.com](#) Restaurant Guide – restaurants in Frederick arranged by cuisine type.
- [Google Maps link](#) – Frederick, Maryland restaurants