Indiana Society for Histotechnology Spring Symposium

Histotechnology- Back to the Future

March 3rd & 4th, 2017

The Wellington Fishers Banquet and Conference Center
(Formerly known as the Fishers conference center)

9775 North by Northeast Blvd.

Fishers, IN 46037

http://thewellingtonfishers.com/

Drinks and Food!

Join us for a reception Friday, March 3rd , 2017, from 5:30 p.m. to 7:00 p.m. in the Exhibit Area. This is a wonderful opportunity to get to know the speakers, fellow technicians, and exhibitors better and enjoy free hors d'oeuvres.

Vendors Exhibiting This Year Include:

MARSTON SAKURA Newcomer

Cancer Diagnostics - General Data - Midwest Microscopes - StatLab Medical

Thermo Fisher - Cell Marque - Genentech - BioCare

And Many More!

Hotel Reservations

Hilton Garden Inn
9785 North by Northeast Blvd.
Fishers, IN 46037
317-577-5900

Hotel Room Rates: $129.00 plus tax.
Rates in effect until February 2, 2017

When making a reservation, please identify yourself as an attendee of ISH (Indiana Society for Histotechnology Symposium).

Parking is available adjacent to the hotel.
Additional hotel information may be obtained by:

- Or visiting the state society's website at www.IndyHisto.org

Attendees of workshops and seminars are eligible for continuing education credits.

Don't Forget Histotechnology Professional's Day is March 10th!

Program and Abstracts

Friday March 3rd, 2016	
7:15 AM	**Registration Desk Opens**
8:00 – 9:00 **Seminar #1**	**<u>IHC Test Selection Using a Panel Approach</u> (60 minutes)** **Steve Westra: Reagent Product Specialist, Leica Biosystems** With numerous antibodies that can be used on routinely fixed, paraffin-embedded tissue sections, Immunohistochemistry has become increasingly valuable. It then becomes a challenge knowing the best approach to the selection of antibodies to use and how to interpret them. Antibody panels can become an aid in diagnostic decision making. Even a limited panel of IHC stains can help deal with many of the more common pathological diagnoses. Some cases will need additional stains, while others will need fewer. The use of panels can cut down on diagnostic errors and also same time and money by not ordering stains blindly and wildly. Understanding the utility of panels, in today's laboratory settings, wil help us better understand the IHC process and stay in tune with our pathologists.
9:00-9:30	**Break with Vendors**
9:30– 10:30 **Seminar #2**	**<u>Novel Antibodies: Getting 2 Birds with One Stone</u> (60 minutes)** **Steve Westra: Reagent Product Specialist, Leica Biosystems** With changes in reimbursements, laboratories often have to make tough decisions. Often times, we need to take a look at our menus and make some decisions on antibodies that aren't used very often. This means we may discontinue running them and send them out. In this presentation, we will look at antibodies and potential multi utilities. This way we can get more with less.
10:30-11:00	**Break with Vendors**
11:00–12:00 **Seminar #3**	**<u>Misinformation in IHC</u> (60 minutes)** **Steve Westra: Reagent Product Specialist, Leica Biosystems** Often times we wonder what is true and what is false in immunohistochemistry. In this presentation, we will discuss Pre-Analytic Aspects, Analytic Factors as well as Post-Analytic issues. Discussing some of these facts and myth will help us be better at what we do.
12:00 – 1:30	**12:00 – 1:30: <u>General Membership Meeting Lunch</u> (Provided with registration.)**
1:30 – 5:30 **Seminar #4** (Including breaks)	**<u>Basic FISH and CISH Theoretical Background and Troubleshooting</u> (3 hours)** Molecular techniques are becoming more common in today's histology laboratories. Whether the laboratory is accomplishing these stains by hand or through automated means, it is important that the technician understand the basic molecular biology involved in the staining process. Once the probes are attached to the target sequence they can be visualized by chromogenic or fluorescent means giving each type of staining its unique name, FISH or CISH. The purpose of this lecture is to teach some of this basic molecular biology, discuss the functional steps of the staining process and how each step can affect the possible outcome of staining and some basic troubleshooting scenarios for both FISH and CISH.
2:30 – 3:00	**Schedule Break with Vendors**
4:00 – 4:30	**Schedule Break with Vendors**
5:30 – 7:00	**Receptions with Vendors** **The Wellington Fishers Banquet and Conference Center** 

Saturday March 4th , 2017	
7:15 AM	**Registration Desk Opens**
8:00– 10:00 Seminar #5 (8:45-9:15 Break) (10:00-10:30 Break)	**– Title: The Names of the Stains: Histology History 101 (90 minutes)** **Jean Mitchell, BS, HT(ASCP)** This seminar will focus on "the names of the stains", and a lesson in histology history. Harris, Gomori, Gill, Mayer and Van Gieson are common stains and names spoken on a daily basis by histologists in their every-day working laboratory environment. But what do we really know about the names and these people we talk about every day? This seminar will explore a name, add a face and detail the history to "the names of the stains" that have been our friends for many years but have never been formally introduced to. Isn't it about time we really got to know them better?
8:45-9:15	**Break with Vendors**
10:00-10:30	**Break with Vendors and Door Prize Giveaway**
10:30-12:00 Seminar #6	**HPV in Head and Neck Tumors using RNAscope(r) (90 minutes)** **Sheron Lear, HT(ASCP)HTL, QIHC** Four micron sections cut from FFPE tissues of carcinomas from the head and neck were stained for HPV using RNAscope(r) technology and the red chromogen. To further validate this procedure, 10 micron sections were cut from the same block and tested using the Aptima protocol for HPV with a 100% correlation. A discussion of the RNAscope(r) technology and the optimization of this ISH technology on slides will be discussed.
12:00-12:45	**Lunch Provided**
12:45-2:15 Seminar #7	**Minimizing Tissue Artifacts in Histopathology (90 minutes)** **Linda McDonald, HT(ASCP)** While there are some pathologists who would argue that everything we do in histotechnology creates artifacts, and therefore regard the entire process as "artifactual", most will agree that there are certain preventable (read "unwanted") artifacts that create a number of problems in diagnostic histopathology. Some of these are a mere nuisance, while others may compromise diagnoses and therefore may create a danger to patient safety, may result in unnecessary surgery or other therapies, or result in additional time and effort to understand and clarify their significance. In general these artifacts are related to errors of commission or omission, that is, doing something we should not do, or not doing something we should do. Eliminating and/or troubleshooting artifacts often requires in-depth understanding of all of the various steps involved in the preparation of a slide, in part because similar appearing artifacts may result from different technical variations. The sporadic nature of artifacts in histopathology often compounds the difficulty we have in eliminating them entirely. The same may be said of our typical reaction to finding these artifacts, in which we seek an immediate solution to today's problem, without investigating more completely and subsequently instituting systemic changes to minimize or eliminate recurrences. In this presentation I will review some of the common artifacts encountered in histopathology, discuss steps which may be taken to avoid them, and briefly review systematic approaches aimed at prevention of errors and enhanced patient safety in the histopathology laboratory.
1:00-3:00 Seminar #8	**HT/HTL Review (2 hours)** **TBD** The goal of this workshop is to give the registry eligible candidate and seasoned histotechnologists an overview/review of the HT (ASCP) computer-adapted testing process. A general overview of the sub-test areas will be covered and advice and resources will be given to help the exam candidate to manage study material and time accordingly. A study guide containing criteria published by the Board of Registry will be provided as well as a list of resources and study tips to facilitate an organized method of study. The seasoned technologist are welcomed to provide information on how their labs are currently doing those processes.