



Illinois Society for Histotechnologists 2019 Annual Spring Symposium

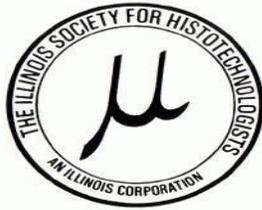
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May 23 & 24, 2019

Holiday Inn & Suites
495 Airport Rd
Elgin, IL 60123

Illinoishistology2017@gmail.com
www.illinoishistologysociety.org



Welcome! The Illinois Society for Histotechnologists (ISH) invites you to experience and celebrate the **50th Annual State Symposium** and vendor show on **May 23th & 24th** at Holiday Inn Hotel & Suites in Elgin, Illinois. We are offering 2 days of CEU-approved lectures and workshops on a variety of topics.

Holiday Inn & Suites

The *newly renovated* Holiday Inn Elgin Hotel & Suites is located in Chicago's Northwest Suburbs directly off of I-90 and only 19 miles west of O'Hare International Airport

Call 847-488-9000 to **Reserve your room by May 1st** to get our group rate: \$99.00 (+14% tax) and mention our group: Illinois Society for Histotechnologists

Or

Reserve through the website: <http://www.ihg.com> please mention ISH group

Check-in time is 3:00 PM; checkout time is 11:00am.

Hotel Amenities:

Holiday Inn Hotel and Suites offers complimentary fitness center that provides guests with everything they need to get their daily workouts while on the road. It include state-of-the-art fitness equipment includes treadmills, a stationary bike and an elliptical machine.

Free Parking & WIFI for hotel guests

2019 Educational Program

Thursday, May 23

Morning Lectures 8:00am-12:00pm

7:00–8:00am Registration *Coffee/ beverage/snacks provided*

8:00-8:15	President's Welcome	Ray Ortiz
8:15-9:45	Supervisory Development Program	H. Skip Brown
9:45-10:15	Elgin Community College's Histotechnology Program – Past, Present, and Future.	Deborah Wollenberg

10:15-11:00 Vendor Break

11:00-12:00	The Green River Killer	David Tate
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12:00-1:00 Awards Luncheon

Afternoon Workshops 1:00-4:45 pm
Break with vendors 2:30-3:15

#1A	Histogonomics-Ergonomics [1.5hr]	1-2:30pm	Brad Flowers
#1B	Bits & Pieces of Pathology [1.5hr]	1-2:30pm	Ada Feldman
#2A	Tumor Markers [1.5hr]	3:15-4:45pm	Thomas Haas
#2B	The H&E Stain:Infinity & Beyond[1.5]	3:15-4:45pm	Heather Renko-Breed

Wine and Cheese Reception and Vendor Auction!!!
5-7 pm Thursday *

Friday, May 24

Morning Workshops 8:00 – 11:30 am Last Break with vendors 9:30-10:00 am

7:00 – 8:00am **Registration** *Coffee/ beverages/snacks provided*

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|-----|--|------------|-----------------|
| #3A | “Preparing for a Critical Incident-
Are you Ready?” [1.5hr] | 8-9:30am | David Tate |
| #3B | The Journey from Cytotoxin Antibodies
to Diagnostic IHC [1.5hr] | 10-11:30am | Izak Dimenstein |
| #4 | Troubleshooting-Behind
the Scenes [3.0hr] | 8-11:30am | Ada Feldman |

ISH Luncheon 11:30 –12:30 pm

Afternoon Workshops 12:30 – 3:45 pm Break from 2:00-2:15 pm

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|----|---------------------------------------|--------------|---------------|
| #5 | Competency Assessment Program [3.0hr] | 12:30-3:45pm | H. Skip Brown |
| #6 | Is Cancer Contagious [3.0hr] | 12:30-3:45pm | Thomas Haas |

***Vendor Auction/ Wine & Cheese Reception**

Suppliers of Histology products will show the latest in instrumentation and supplies. Exhibits will be open on Thursday and Friday during morning & afternoon breaks. Attendees can collect vendor bucks while visiting the exhibits on Thursday. This “vendor money” can be used to bid on fantastic gifts on Thursday from 5-7pm at the annual Vendor Auction/ Wine & Cheese reception. Also, take a moment to thank our suppliers for their support. Without them we could not provide these educational opportunities. **Everyone** is welcome to attend the vendor auction and visit the exhibit area.

LECTURE ABSTRACTS

L-1 Supervisory Development Program

Herbert Skip Brown, M. Div., HT(ASCP)
Lab Storage Systems

In today's world of continually changing environments in health care, survival is dependent upon professionals that can adapt and change with that environment. For the career minded technologist there is oftentimes the dilemma of whether or not to continue to work only as a lab technician, or to take what you have observed and learned over the years and develop oneself into a healthcare professional that not only has the technical skills and abilities, but also the wisdom, foresight, and leadership qualities to direct and manage an effective lab environment.

This workshop will explore the critical factors involved in transitioning from bench to management and discuss the four imperatives of motive, vision, planning, and implementation; that give the highest potential for success as a supervisor. Effective and non-effective leadership styles will be reviewed to identify how employees respond to each. A key focus will be on how to effectively motivate workers and the benefits of servant leadership

L-2 The Green River Killer: America's Most Prolific Serial Killer

David Tate, MS, PGN, FN
Purdue University(ret)

Along the Sea-Tac highway in Washington State, Gary Ridgeway became the consummate killing machine preying on teenage runaways, prostitutes and other vulnerable women for 20 years. An unassuming person, Ridgeway would lure his victims into his truck, make them feel comfortable then proceed to have intercourse with many after he'd strangled them. This seminar will focus on his behavioral aspects of choosing the victims, where he buried them and several first-hand accounts of interaction with him. By all accounts, and to what he remembers, there were 49 victims, some still unidentified. *Warning: some pictures may be disturbing.*

WORKSHOP ABSTRACTS

#1A Histogonomics-Ergonomics and Injuries in the Histology Lab [1.5hr]

Brad Flowers, BS
Cancer Diagnostics Inc

Work-related musculoskeletal disorders are the single largest job-related injury and illness problem in the United States and account for nearly 1/3 of all occupational occurrences reported. The field of Histology is inundated with repetitive motion activities on a daily basis and your lab environment may be a contributing factor for triggering injuries. This course discusses each of the most common injuries occurring in a Histology Lab, ways to treat these injuries, and how to prevent them from occurring. The goal is to increase awareness so that your lab is more efficient by not having lost time with a workplace injury and avoiding the discomfort and pain associated with these injuries. Today's labs are busier and more demanding than ever and we must consider making changes to provide better outcomes. The best intentions do not mitigate loss or alleviate disaster, preparation does. Therefore, "An ounce of prevention is worth a pound of cure."

#1B Bits and Pieces of Pathology [1.5hr]

Ada T. Feldman MS, HT/HTL(ASCP)^{CM}
Anatech Ltd

The science of pathology has a diverse language of terms. This presentation will define terminology such as hyperplasia, metaplasia and dysplasia as well as the different terms used in cancer diagnosis (e.g., well differentiated adenocarcinoma). Examples of various pathologies and the terms used to identify them will be given for multiple organ systems

#2A Tumor Markers [1.5hr]

Thomas S. Haas, DO
North Shore Pathology

This presentation will highlight the use of tumor markers in serum chemistry, and their relationship to the diagnosis and monitoring of patients with malignant disease. Tumor markers are molecules occurring in blood or tissue that are associated with cancer, and whose measurement or identification is useful in patient diagnosis or clinical management.

The ideal marker would be a "blood test" for cancer in which a positive result would occur only in patients with malignancy, one that would correlate with stage and response to treatment, and that is easily and reproducibly measured.

No tumor marker now available has met this ideal, but development and discovery continues in the use of these markers for clinical use. This presentation will explore the use of common markers such as CA-125, Carcinoembryonic Antigen (CEA), Alpha-FetoProtein (AFP), CA 72.4, CA 15.3, CA19.9, Prostate Specific Antigen (PSA), and a variety of other enzymes and proteins now in use for the diagnosis and monitoring of malignancy.

#2B The H&E Stain: Infinity & Beyond [1.5hr]

Heather Renko-Breed BS, HT(ASCP)QIHC
Leica Biosystems

A Look at the science, utility of regents, principles and guidelines for Hematoxylin and Eosin stains. To have an understanding of the Histotechnicians role in helping to determine what is a good H&E stain and how to manage your H&E stain within the clinical pathology laboratory. You will gain an understanding of the fundamental regents used for H&E Staining and techniques to troubleshoot in your laboratory. Principles of overall H&E protocols and trending options in the marketplace will be explored. Various recommendations from College of American Pathology guidelines will be discussed and what it takes to meet these guidelines with todays growing workload

#3A “Preparing for a Critical Incident-Are you ready?” [1.5hr]

David Tate, MS, PGN, FN
Purdue University(ret)

This workshop will provide a role-playing scenario allowing participants to gain a better understanding of hospital and laboratory management and senior leadership requirements in an emergency situation and how the various hospital and emergency professionals training contribute to increased levels of internal communication and decision making in such a situation. Participants will be introduced to emergency policies and tactical decision making, how to assess the situation, what are the appropriate strategies and objectives and then how to assign and monitor responsibilities using their available communication network. *This is a real-world “what do we do, who does what and how.”*

#3B The Journey from Cytotoxins Antibodies to diagnostic Immunohistochemistry (IHC) [1.5hr]

Izak Dimenstein MD, PhD, HT(ASCP)
Loyola University Chicago Medical Center (ret)

Immunohistochemistry started in the 1980s as the significant diagnostic method in the modern histology laboratory. However, the use of antibodies as biomarker carriers was preceded by the era of experimental immunological studies at the dawn of the humoral immunology exploration, which occurred at the end of 19th century, when Paul Ehrlich introduced the concept that immunological specificity was determined by the unique stereochemical affinity of active sites on antigens and antibodies. At the same time, Julius Bordet and Elie Metchnikoff discovered antibodies that can destroy cells. These antibodies were called cytotoxins.

The cytotoxins journey from promising expectations to the pragmatic experimental evaluation of antigen/antibody reaction is the subject of this workshop. The material will be discussed from the perspective of the presenter’s direct participation in cytotoxins studies.

Immunohistochemistry (IHC) is a particular branch of the humoral immunity tree. By methodology, IHC is close to immunotoxins and immunochemotherapy, including the FDA’s regulation, but cytotoxins laid the groundwork for honing the antibody development technique in the pre-polyclonal/monoclonal era. The goal of the workshop is also to compare the similarities of IHC antibodies with cytotoxins and underline the differences between them. This knowledge can provide a better understanding of IHC as a diagnostic method in the histology laboratory.

#4 Troubleshooting-Behind the Scenes [3.0hr]

Ada T. Feldman MS, HT/HTL(ASCP)^{CM}
Anatech Ltd

Correct H&E staining is dependent upon the binding of the dye molecule to the tissue. If the chemistry of either of these are changed, pairing does not occur and abnormal staining is the result. This workshop will go 'behind the scenes' to show what in processing, staining solutions/protocol or the instrumentation can interfere in the pairing of the hematoxylin or eosin stain to the tissue.

#5 Developing a Compliance Competency Assessment Program [3.0hr]

Herbert Skip Brown, M. Div., HT(ASCP)
Lab Storage Systems

The College of American Pathologists (CAP) has long since presented guidelines in competency assessment for all clinical laboratory personnel involved in the handling and testing of patient specimens. Originally this guideline was written for and related almost solely to the clinical laboratory, and not the Histopathology lab; and for this reason it historically was not a major component of CAP inspection in Histology. Increasingly today CAP inspectors are now requiring competency assessment review for histotechnology; to be performed and documented annually. This session will review the individual requirements for compliance within the CAP guideline, and discussed how to develop an annual program for competency assessment as well as training. Participants will learn how to determine all areas of interaction between histotechnologist and patient specimen such as accessioning, core histology, and special procedures; then create a program specific to not only basic histology competency, but also the methods and procedures specific to your laboratory. Attendees will understand how to use this type of annual assessment to develop a SWOT analysis to identify the overall strengths and liabilities of your staff. Developing a compliance standard can oftentimes take the appearance of endless testing on paper, but participants will learn how to create a very visual, fun, and interactive assessment tool that not only challenges the histotechnologist, but also promotes discussion and problems solving solutions.

#6 Is Cancer Contagious [3.0 hr]

Thomas S. Haas, DO
North Shore Pathology

For decades the prevailing wisdom in medicine was that cancer is not a transmissible illness, but in fact the result of a lifetime of assaults on one's cells by U.V. radiation and environmental carcinogens that can damage cell DNA or stimulate cells to change their programmed behavior. We know that genetic predisposition and lifestyle choices like diet, exercise, and smoking may enhance or reduce our risk, but the connection to some cancers is less clear. Slowly during the last century, scientists have begun to appreciate that oncoviruses can cause cancer in animal models. Today, the connection between Human Papilloma Virus (HPV) and cervical cancer is widely accepted, but recent scientific studies recognize the connection between HPV and oropharyngeal and anal lesions, as well as a possible connection to lesions in other organ systems. By virtue of the effects of HPV and other viruses, it is becoming clear that some cancers may well be "transmissible" due to viral exposure. This workshop will discuss the biology and epidemiology of HPV and its relevance to cancers commonly encountered in Surgical Pathology.

Illinois Society for Histotechnologists 2019 Symposium Registration

Please register by Friday, May 13, 2019 to avoid \$50 late fee

You may register online at <http://illinoishistologysociety.org/>

OR

Complete the registration form on the next page for individual participation and return with check payable to:

**Illinois Society for Histotechnologists
c/o Maureen Doran, Registrar
304 N 15th st
Murphysboro, IL 62966**

***Questions? Contact the registrar, Maureen Doran:
618-713-3151
ISH2017@gmail.com***

Contact registrar for information regarding:

discounts for students enrolled in a histology school/training program
or
Institutional pass for 2 or more attending ½ day or less from same institute

2019 Illinois Society for Histotechnologists Symposium Registration Form

Registration fee (non-refundable) \$45 _____

Includes \$20 ISH Membership (2019-20)

Thursday, May 23

L Morning Lecture Session [2.5 hrs] \$40 _____

Afternoon Workshops

1:00-2:30pm-Choose 1

#1A Histogonomics-Ergonomics [1.5hr] \$22.⁵⁰ _____

#1B Bits & Pieces of Pathology [1.5hr] \$22.⁵⁰ _____

3:115-4:45pm-Choose 1

#2A Tumor Markers [1.5hr] \$22.⁵⁰ _____

#2B The H&E Stain:Infinity & Beyond [1.5hr] \$22.⁵⁰ _____

Friday, May 25

Morning Workshops [choose max. 3hrs]

8:00-9:30am

#3A Preparing for Critical Incident [1.5hr] \$22.⁵⁰ _____

10:00-11:30am

#3B Cytotoxin Antibodies to Diagnostic IHC [1.5hr] \$22.⁵⁰ _____

8:30-11:30am

#4 Troubleshooting-behind the scenes [3.0hr] \$45 _____

Afternoon Workshops [choose 1]

#5 Competency Assessment [3.0hr] \$45 _____

#6 Is Cancer Contagious [3.0hr] \$45 _____

Lunch is provided for all-day attendees

Lunch ticket for half-day attendees or guests Thursday \$10 _____

Check if you prefer a vegan meals _____ Friday \$10 _____

Late registration Fee after May 13 Late Fee \$50 _____

TOTAL\$ _____

Attendee Name: _____

Institution _____

Work Address _____

Work Phone: _____ Home/Cell Phone: _____

Home Address: _____

E-mail Address: _____

Would you prefer information sent to Home _____ or Work _____

Are you an NSH member? Yes _____ No _____