



**Illinois Society for Histotechnologists
Annual Symposium 2023
MAY 11-12**

AMPLIFY YOUR EXPERTISE



DoubleTree by Hilton

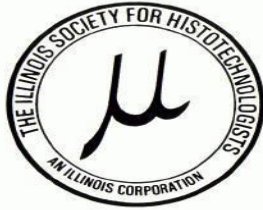
at

10 Brickyard Dr

Bloomington, IL 61701

Illinoishistology2017@gmail.com

www.illinoishistologysociety.org



Welcome! The Illinois
Histotechnologists
experience and

State Symposium and vendor show on **May 11th & 12th** at The DoubleTree by
Hilton in Bloomington, Illinois. We are offering 2 days of CEU-approved lectures
and workshops on a variety of topics.

Lunches are included for all registered full day attendees

Society for
(ISH) invites you to
celebrate the **53th Annual**

Register for the entire meeting and earn 12 CEU for \$60.00

Call to **Reserve your room by April 19, 2023**

Our group rate: \$109.00 (+12% tax)

Reserve by calling:

1-800-222-TREE

309-664-6446

mention our group: **Illinois Society for Histotechnologists**

Check-in time is 4:00pm; checkout time is 11:00am.

Hotel Amenities:

The DoubleTree by Hilton offers complimentary breakfast, fitness center with an
indoor pool, business center, free parking, & airport Shuttle for hotel guests.
Free wifi will be provided to our group in sleeping rooms and vendor area.

2023 Educational Program
Thursday, May 11
Morning Lectures 8:00am-12:00pm

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

	President's Welcome	8:00-8:15	Julie Trejo
L-1	The regulatory impact of Legislation on the practice of Histology	8:15-9:15	Amanda Kelley
L-2	Basal cell, Squamous Cell, Melanoma, Oh My!	9:15-10:15	Dr. Stephan Ruby

10:15-11:00 Vendor Break

L-3 An Introduction to the Anatomic Pathology 11:00-12:00 Julie Trejo
Patient Interest Association (APPIA) TOPS Program

12:00-1:00 Awards Luncheon

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

#1	Basics of Immunohistochemistry "(IHC)"	1-4:45	Reid Simonson
#2-1	Starting your own Histology Lab	1-2:30	Maureen Doran
#2-2	Patient Safety Guidance for Pathology Specimens-Identifying and Mitigating Risks for Specimen Loss and Mishandling	2:30-4:45	Sharon Lang

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

Friday, May 12

Morning Workshops 8:00 – 11:30 am

Last Break with vendors 10:00-10:30 am

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

#3	Digital Imaging in Pathology and The Role and Responsibility of the Histologist	8-11:30	Sharon Lang
#4-1	Picrosirius Red (PSR) Fluorescence Microscopy and Second Harmonic Generation (SHG) Imaging for the assessment of Collagen	8-9:00	Ahti Kannan
#4-2	Histology to Cytology Correlation: Why It Matters.”	10:00	Morgan Romine
#4-3	Histology Jeopardy 2023	10:30-11:30	Ray Ortiz

Lunch 11:30 –12:30 pm

Afternoon Workshops 12:30 – 3:45 pm

Break from 2:30-2:45 pm

#5-1	Special Stains: Success & Safety	12:30-2:30	Maureen Doran
#5-2	Yoga for You	2:45-3:45	Maureen Doran

***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.

LECTURE ABSTRACTS

L-1 The regulatory impact of Legislation on the practice of Histology

Amanda Kelley BS, MBA, HTL (ASCP)
U.S. Dept. of Veterans Affairs

The administration of the practice of histology and medical technology has been directly influenced by legislative bodies across the country. In this course we will define the role of CLIA, CMS, FDA, and how these regulatory agencies delegate their authority to CAP, TJC, COLA, and other certification programs. These agencies in conjunction with the department of Labor decide how to assign educational and training assignments to test complexities. How these decisions affect ASCP and other technical accreditation authorities like ASCLS, and A2LA. We will touch on how these regulatory agencies affect state legislation. Are you thinking about moving to another state? Well, you should make sure that you are eligible to work in that state. Some require that you obtain your license to practice before or shortly after you begin your new position. We will also look at how different accreditation associations disagree in the administration of lab medicine. It is the relationship between these public and private companies which determine the trajectory of the future of histology. This course will help you learn how to follow these regulatory agencies. Track Legislation that directly affects you in your state and nationally. We will talk about the changes post covid and how the relaxation of regulations affected the administration of waived tests. The new push for standardization of procedures in histological slide prep by the newly formed (2016) Anatomic Pathology patient interest association.

L-2 Basal cell, Squamous Cell, Melanoma, Oh My!

Stephen G. Ruby, MD, MBA, FCAP
Safety-Spec, LLC

In this presentation, an overview of the clinical and histologic features of the three most common cutaneous tumors will be presented, with a memorable twist that will be sure to delight all movie buffs....

L-3 Introduction to the Anatomic Pathology Patient Interest Association (APPIA) TOPS Program

Julie Trejo, B.S., H.T.(ASCP)cm
Sakura Fintek

The Anatomic Pathology Patient Interest Association (APPIA) is a not-for-profit organization focused on advancing patient safety, quality, standards, and accessibility of care in anatomic pathology. The organization exists to provide networking, advocacy, and educational support for its members and other stakeholders. It is composed primarily of members of industry, Agilent Technologies (Dako), Leica Biosystems, Roche Tissue Diagnostics (Ventana), and Sakura Finetek USA. Each company has representatives on the APPIA Board. One of its educational initiatives has been the development of an anatomic pathology 'preanalytic' resource. It's called the TOPS program, the "Tissue Optimization and Preanalytic Standardization Program". It is an incredible resource designed for a broad audience with information for surgeons, OR and oncology nurses, laboratory personnel, and patient advocacy groups. The purpose of this workshop is to introduce the TOPS program, discuss the content of the program and highlight why proper pre-analytic considerations throughout the journey of the tissue specimen are essential in making a definitive diagnosis. Also, to describe best practices for optimizing tissue preservation and to provide tools to facilitate practical implementation of best practices.

WORKSHOP/LECTURE ABSTRACTS

#1 Basics of Immunohistochemistry “(IHC)” [3.0hrs]

Reid Simonson, BS, HT(ASCP)
Leica Biosystems

The primary goal is to gain a better understanding of how IHC works for the laboratory professional. Topics of discussion will include IHC cell biology, the immune system, and antibody production. We will also cover basic optimizations and troubleshooting. The seminar will be presentation based, with questions welcomed. At the end there will be a short quiz (for fun, no pressure) with some small prizes.

#2-1 Starting your Own Histology Lab [1.5hr]

Maureen Doran, MS, HTL(ASCP)
Saffron Scientific Histology Services

This presentation is designed to assist participants in implementing the necessary steps needed to open a histology lab as a sole proprietor or partnership, LLC in Illinois. We will discuss deciding on a name, proceeding with a name search and registering the name with the state. We will cover assigning a registered agent with the state and filing your articles of organization. How to apply for your FEIN # and drafting your operating agreements will be covered. Business plan guidelines, and options for capital startup will be addressed.

#2-2 Patient Safety Guidance for Pathology Specimens- Identifying and Mitigating Risks for Specimen Loss and Mishandling [1.5hrs]

Sharon J Lang, MBA-HC, MT,HT(ASCP)
Safety-Spec, LLC

Lost and mishandled specimens are a universal problem, often with significant impact on diagnostic error and patient safety risk. Identifying medical errors is a topic of current attention. Specimen labeling errors in surgical pathology occur approximately 80 times each day in the US. Errors occur in surgical pathology involve specimen defects, specimen handling, transportation, processing, diagnosis and reporting that occur during prelaboratory, laboratory and postlaboratory phases. We will examine the different scenerios of each level and the medicolegal aspects of the most common medical errors and several published jury verdicts and settlements.

#3 Digital Imaging in Pathology and The Role and Responsibility of the Histologist [3.0hr]

Sharon J Lang, MBA-HC, MT,HT(ASCP)
Safety-Spec, LLC

This lecture will cover the history and future of digital imaging in your laboratory and review histology and clinical cases. Learn the regulations, validation and implementation while using quality and compliance for the laboratory. You will learn how to assess and select hardware for the level your laboratory needs in whole slide imaging

#4-1 Picrosirius Red (PSR) Fluorescence Microscopy and Second Harmonic Generation (SHG) Imaging for the assessment of Collagen

[1.0hr]

Athi Kannan MS, PhD, HTL(ASCP)
University of Illinois, Champaign

Modification of collagen in the extracellular matrix is an important factor affecting the cellular processes in normal as well as pathological conditions like fibrosis in female reproductive organs. Multiple animal models have been used in understanding this health issue in women by observing the changes in the collagen network. These localized changes in the tissue collagen network affects its mechanical and biological properties. Analysis of the collagen architecture and its quantitation of collagen density is essential for researchers and clinicians for histopathological diagnosis. Among the histochemical techniques, the Picrosirius red (PSR) stain which is also called “Sirius Red” stain is the inexpensive and well understood stain which enhances the natural birefringence of collagen bundles when viewed under polarized light. But this technique has the limitation of underestimating collagen content in tissues containing high level of wavy fibers. To overcome this issue, we utilized the fluorescence behavior of the dye and imaged the stained samples through simple Fluorescence microscopy. Picrosirius stained collagen appears red in light microscopy and red fluorescence emission at 570 -640nm in fluorescence microscopy. These images can be analyzed using standard available software like ImageJ. In combination with Fluorescence microscopy we have used Second harmonic generation (SHG) imaging to study the architectural parameters like length, width, alignment and straightness of the collagen fibers. Collectively this information throws light on to the local collagen status of the tissue which could be valuable to gauge the prognosis. In this presentation, results from multiple mouse tissue samples under various pathological conditions will be discussed to explain the utility of Picrosirius red fluorescence and Second harmonic generation methods for collagen studies.

#4-2 “Histology to Cytology Correlation: Why It Matters.” [1.0hr]

Morgan Romine, HT(ASCP), CT(ASCP)
Carle Foundation Hospital

Clinically, the phrase “histo-cyto correlation” is often used on a day to day basis in our labs. The importance of these two closely related subsets of pathology is often not explained, or overlooked due to our busy workloads. In this presentation, we will be going into detail about the importance of this relationship and how it is used to provide the best patient care. We will be comparing the preparation types between the two departments and how they impact each other. We will be looking at microscopic images of cytology smears, cell blocks, and histology biopsies. The slides examined will be gynecological (GYN) and non-gynecological (Non-GYN) slides.

#4-3 Histology Jeopardy [1.0hr]

Ray Ortiz HT(ASCP), Q(IHC)
Mercyhealth Systems

Challenge your knowledge of Histotechnology by answering questions on Tissue Processing, Special Stains, Hematoxylin and Eosin, Immunohistochemistry, Molecular Pathology, and Embedding, to name a few subjects. You must answer in the form of a question just like the original. Newer questions have been added for 2023.

#5-1 Special Stains: Safety & Success [2.0]

Maureen Doran MS, HTL(ASCP)
Saffron Scientific Histology Service

In this workshop we will examine special stain procedures and factors involved in assuring stain quality. We will discuss evaluation criteria and troubleshooting for popular carbohydrate and connective tissue stains. We will review staining protocols for microorganisms and tissue pigments and assess tips for optimization. This workshop will also cover the proper handling and disposal of reagents used in these special stains.

#5-2 Yoga for You [1.5hr]

Maureen Doran, MS, HTL(ASCP)
Saffron Scientific Histology Service

Working in the histology laboratory can be both physically and mentally challenging. Sitting and/or standing for extended lengths of time can cause strains and imbalances in the musculoskeletal system and repetitive motion tasks are taxing on the joints. These challenges coupled with the increased demands on our time can lead to stress. We can't always do much to avoid this, but we can add a little yoga to our daily routines that will help keep our joints and limbs nimble, and avoid excess tension and stiffness at work. Practicing yoga postures has shown to increase circulation, strength, and flexibility and relieve tension. Yoga is different from conventional stretching in that it incorporates breath, static contraction, focus, and concentration with postures that stretch and strengthen the body. In this workshop we discuss how to incorporate yoga stretches in the workplace. We will learn which yoga poses can target specific areas and develop mini yoga routines to meet our needs.

Illinois Society for Histotechnologists 2023 Symposium Registration

Please register by Monday, May 5, 2020 to avoid \$30 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
304 Nth 15th st
Murphysboro, IL 62966**

***Questions? Contact Maureen Doran:
618-713-3151***

Ask About our 50% Discounts for students enrolled in a histology school/training program

2023 Illinois Society for Histotechnologists Symposium Registration Form

Registration fee (non-ISH members) \$30 _____
Includes \$20 ISH Membership (2023-24)

Late registration Fee if after May 8 Late Fee \$30 _____

Thursday, May 11

Morning Lecture Session [3 hrs] \$15 _____

Afternoon Sessions [choose 1 workshop or 2 Lectures] \$15 _____

#1 Basic IHC [3.0hr] []

#2 Lectures [2 x 1.5hr] []

Starting Your Own Histo Lab [1.5hr]

Patient Safety Guidance [1.5hr]

Friday, May 12

Morning Sessions [choose 1 workshop or 3 Lectures] \$15 _____

#3 Workshop [3.0 hr] []
Digital Imaging in Pathology

#4 Lectures [3 x 1hr] []

Picrosirius staining

Histology to Cytology

Histology Jeopardy

Afternoon Sessions \$15 _____

#5A Special Stains: Success & Safety [2hr]

#5B Yoga for You [1 hr]

Lunch ticket for half-day attendees or guests Thursday \$15 _____

* **Lunch is provided for all-day attendees** Friday \$15 _____

TOTAL\$ _____

Attendee Name: _____

Institution _____

Work Address _____

Work Phone: _____ Home/Cell Phone: _____

Home Address: _____

E-mail Address: _____