



# Illinois Society for Histotechnologists 2018 Annual Spring Symposium

***Education; the winning combination***



**May 24 & 25, 2018**



*7 Blackjack Drive  
East Peoria, IL 61611*



**Welcome!** The Illinois Society for Histotechnologists (ISH) invites you to experience the **49<sup>th</sup> Annual State Symposium** and vendor show on **May 24<sup>th</sup> & 25<sup>th</sup>** at Par-A-Dice Casino & Hotel in Peoria, Illinois. We are offering 2 days of CEU-approved lectures and workshops on a variety of topics. Register for the entire Symposium and earn 12 CEUs!

Call 800-547-0711 to **Reserve your room by May 1st**  
to get our group rate: \$101.00 (+12% tax) using our group code:0523HIS  
Or

Reserve through our website of <http://www.paradicecasino.com/groups>  
please note your group code is 0523HIS

Check-in time is 3:00 PM; checkout time is 12:00 Noon. An extended stay charge will be automatically added for any late departures unless approved by the hotel.

### **Hotel Amenities:**

Par-A-Dice Hotel's fitness center provides guests with everything they need to get their daily workouts while on the road. Our state-of-the-art fitness equipment includes treadmills, a stationary bike and an elliptical machine.

Free Parking & WIFI for hotel guests

# **2018 Educational Program**

**Thursday, May 24**

**Morning Lectures 8:00am-12:00pm**

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

8:00-8:15 President's Welcome

Maureen Doran

8:15-9:45 Generations at Work

Julie Trejo

**9:45-10:30 Vendor Break**

10:30-12:00 Safety First Throughout the  
Histology Workflow

Shalmica Jackson

**12:00-1:00 Awards Luncheon**

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

#1A The Mismatch Repair (MMR) IHC Panel [1.5hr]  
1-2:30pm

Pamela Goodell

#1B Intro to Microbiology [1.5hr] 3:15-4:45pm

Jim Chalmers

#2 Equipment Repair [3.0hr] 1-4:45pm

Matt Mincer

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

**Friday, May 25**

**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

- |     |  |                 |
|-----|--|-----------------|
| #3A | Rapid Two-Temperatuue Fixation Methodology [1.5hr]<br>for Tissue Based Phospho-Protein Analysis 8-9:30am | Athi Kannan     |
| #3B | Histology Jeopardy [1.5hr] 10-11:30am  | Ray Ortiz       |
| #4  | Preparing for the ASCP Qualification in [3.0hr]<br>Immunohistochemistry Examination 8-11:30am            | Joseph D. Myers |

**ISH Awards Luncheon 11:30 –12:30 pm**

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

- |     |   |                 |
|-----|---|-----------------|
| #5A | Myths, Mysteries & Misconceptions of IHC [1.5hr]<br>12:30-2:00pm          | Joseph D. Myers |
| #5B | BBP & Beyond [1.5hr] 2:15-3:45pm  | Maureen Doran   |
| #6  | The Smart Way-Efficient, Easy and [3.0hr]<br>Reducing Errors 12:30-3:45pm | Julie Trejo     |

**\*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 Generations at Work [1.5hr]

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

As the Baby Boomers are the majority of the Histology workforce, are starting to near retirement, the Gen Xers,, Millennials and now Gen Z are about to upset the balance. As the Boomers led the histology manpower into technology and automation, the new generations are more adapt and ready. Just because each generation is different doesn't mean it is bad. Each generation has the wealth of knowledge (from experience or education) and working together can make it into top quality, but how do you bridge the generational gaps? Communicate, listen and approach this in a respectful manner.

[LabManager.com](#) gave good advice, "Inter-generational groups can provide you with significant ideas beyond options you initially considered. When you can do this effectively with inter-generational teams, they bond more effectively and can learn from each other. They can also find unexpected approaches linking possibilities in powerful, and sometimes unexpected ways that may create amazing results."

## L-2 Safety First through Histology Workflow [1.5hr]

Shalmica Jackson, PhD  
MilliporeSigma

From tissue processing to slide coverslipping, the histology workflow is laden with hazardous steps. Chemical sensitizers, strong acids, alkaline substances, and oxidizing agents are routinely used during histological workflows. These classes of chemicals are known to damage and even destroy living tissues. Ensuring the safety of laboratory workers is of the utmost importance. This workshop will present new approaches to help make the histopathology laboratory a safer environment with the use of formalin-free fixatives, phenol-free stains, DBP-free mounting media, IVD-certified ready-to-use reagents, and more.

# WORKSHOP ABSTRACTS

## #1A The Mismatch Repair (MMR) IHC Panel: [1.5hr] Clinical Significance and Technical Considerations

Pamela Goodell, MD  
Peoria Tazewell Pathology Group

The mismatch repair (MMR) immunohistochemistry panel (MLH-1, PMS-2, MSH-2, and MSH-6) has become a routine panel ordered on colorectal cancers as well as other tumors. This seminar will review the genetics of colon cancer and the importance of MMR status in the patient's diagnosis, prognosis, and outcome. Using example cases, immunohistochemical stain interpretation and what the results mean for the patient will be discussed. Special considerations for stain validation, control tissue, and troubleshooting will be included. After attending this lecture, participants will gain a better understanding of why these stains are ordered and learn to troubleshoot potential technical issues.

## #1B Intro to Microbiology [1.5hr]

Jim Chalmers, MT, HHS; MLT(ASCP)  
Leica Biosystems

This presentation is an introduction to microbiology. It will briefly describe bacteria, fungus and AFB organisms, how they are different and ways of identifying them. Some common diseases associated with some of these organisms will be reviewed and ways to histologically stain for them discussed.

## #2 Basic Repair and Equipment Maintenance of the Equipment in your Lab [3.0hr]

Matt Mincer  
Tech One Biomedical

Let's face it; life in the lab is stressful enough without having to worry whether your equipment will work when you get there. Over the years we have found that many problems can be resolved quite easily and with no technical background. This workshop is designed to help the histotech resolve many of these issues without having to "call the service guys". We will also discuss maintenance and some "do's" and "don'ts" that will help prevent future problems. Hopefully, you will find the information helpful and use it to avoid potential needless service calls.

## **#3A Rapid Two-Temperature Fixation Methodology for Tissue Based Phospho-Protein Analysis [1.5]**

Athi Kannan, MS, PhD HTL (ASCP)

Immunohistochemical detection of phosphor-proteins provides important information of the cell signaling pathways activated during disease conditions. These can provide valuable information regarding the implications for prognosis and treatment selection. Specific phospho- protein biomarkers are used in tissue analysis to provide this information. Enzymes responsible for maintaining phospho-protein levels in tissues are highly sensitive to many procedures before analysis. These pre-analytic procedures, which are defined as pre-analytical conditions, can be tissue collection methodology, time, temperature, and fixation and so on. Current fixation protocol vary, and often not optimal for preserving true level of phospho-proteins. This in turn, when subjected to immuno histochemical analysis, will not provide the true level of phopho protein in tissues. With this issue in mind, a new rapid fixation protocol has been developed and tested. This modified rapid fixation protocol is named 2+ 2, or two-temperature protocol. This seem to effectively preserve both histomorphology and the phosphorylated epitopes in tissues. This presentation will elucidate the methodology of rapid two-temperature fixation, which will emphasize the need to reduce pre analytical variations in tissue based phospho protein analysis.

## **#3B Histology Jeopardy [1.5hr]**

Ray Ortiz BS, HT(ASCP),Q(IHC)

Test your knowledge while participating in a enjoyable and informative “Game Show” presentation. Participants will demonstrate their knowledge while working in groups to answer the questions in form of a question. Topics will include Microtomy, Embedding, Special Stains, Images, Molecular Pathology, IHC, H&E Staining, CAP/CLIA/JACCHO regulations, Safety, Digital Images, Grossing, The Big Easy, ISH, MOHS, and Famous Histotechnicians, Categories will be worth increasing points. Participants will be part of a team, with one team spoke person, who will provide the final answer. The team with the most points will get a ribbon with bragging rights of their success by wearing the ribbon throughout the session.

## **#4 Preparing for the ASCP's Qualification in Immunohistochemistry Examination [3.0hr]**

Joseph D. Myers M.S., CT(ASCP)QIHCcm  
Biocare Medical, LLC

This presentation is provided by an individual that has earned and renewed their QIHC credential and is intended to provide participants with an overview of the principles and practices of immunohistochemistry in an effort to assist them in performing well on the ASCP's QIHC examination. Every effort is made to address all of the technical aspects of the aforementioned procedures. Exceptionally comprehensive supplemental ('handout') material will be provided.

## **#5A Myths, Mysteries & Misconceptions of IHC [1.5hr]**

Joseph D. Myers, M.S., CT(ASCP)QIHCcm  
Biocare Medical, LLC

This presentation is intended to provide participants with an overview of several concepts within the field of immunohistochemistry that are often misunderstood, particularly by inexperienced practitioners. It is based on the experience gained by the speaker over the course of more than 30 years in the field of anatomic pathology. In addition to providing scientific and/or administrative clarification of these myths, mysteries, and misconceptions, this presentation should stimulate participants to take a closer look at the practices within their own laboratories and, possibly, seek additional relevant information/education. Handout material, including reference tables, spreadsheets and published papers will be provided.

## **#5B Blood Borne Pathogens & Beyond [1.5hr]**

Maureen Doran, MS, HTL(ASCP)

Are you handling the biohazards in your workplace effectively? This workshop is designed to help participants protect themselves from biological hazards, both bloodborne and aerosol, in the histology laboratory. Human and zoonotic pathogens will be reviewed. Compliance with BBP standard, Body Substance Isolation and Tuberculosis guidelines will be covered. Proper labeling, training, PPE, recordkeeping and disposal will be discussed. Participants will evaluate exposure control strategies for processing, sectioning, and staining potentially infectious material.

## **#6 The Smart Way-Efficient, Easy and Reduce Errors [3.0 hr]**

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

You want to do a good job but they are barking for a fast turnaround. Should I cut some corners to make it faster even if the cell morphology isn't up to par? Now I am cutting corners every day and they still want it faster. What do I do? Who hurts who? This can be understood as this can be a daily occurrence in a Pathology lab but it is always the patient that can get hurt. This can cost them more money, more time to wait for a diagnosis or more testing. How can I do my job well, for me and the patient and without taking too long for the pathologist? Emphasizing doing a job correctly rather than quickly. Once this has been established, it becomes more efficient, reduces errors and improves the quality. It can improve its own turnaround time in the long run. Taking an extra minute up front can end up with less -re-processing, re-embed, re-cut and re-stain. Planning ahead can sidestep problems, be cost effective and opening up time for new ideas. Employee empowerment cancels the feeling as a factory worker. Every employee can become a better problem solver and decision maker.

# **Illinois Society for Histotechnologists**

## **2018 Symposium Registration**

***Please register by Friday, May 11, 2018 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 Lori Bellafiore, Registrar  
588 B CR 2400 N  
Dewey, IL 61840**

**Questions? Contact the registrar, Lori Bellafiore: 217-202-3820  
[Labellafiore@yahoo.com](mailto:Labellafiore@yahoo.com)**

## 2018 Illinois Society for Histotechnologists Symposium Registration Form

Registration fee (non-refundable) \$45 \_\_\_\_\_  
Includes \$20 ISH Membership (2018-19)

### Thursday, May 24

L Morning Lecture Session (3hrs) \$45 \_\_\_\_\_

#### Afternoon Workshops [choose max. 3hrs]

#1A	The Mismatch Repair (MMR) IHC Panel [1.5hr]	\$22. <sup>50</sup> _____
#1B	Intro to Microbiology [1.5hr]	\$22. <sup>50</sup> _____
#2	Equipment Repair [3.0hr]	\$45 _____

### Friday, May 25

#### Morning Workshops [choose max. 3hrs]

#3A	Rapid Two-temperature Fixation Methodology for Tissue Based Phospho-Protein Analysis[1.5hr]	\$22. <sup>50</sup> _____
#3B	Histology Jeopardy [1.5hr]	\$22. <sup>50</sup> _____
#4	Preparing for the ASCP IHC [3.0hr]	\$45 _____

#### Afternoon Workshops [choose max. 3.0 hrs]

#5A	Myths, Mysteries & Misconceptions of IHC [1.5hr]	\$22. <sup>50</sup> _____
#5B	BBP and Beyond [1.5hr]	\$22. <sup>50</sup> _____
#6	The Smart Way [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 11 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 \_\_\_\_\_