

2014 SYMPOSIUM

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SYMPOSIUM IN THE SPRINGS



EMBASSY SUITES™



Registration: Friday: 12:00 - 1:00
Saturday: 7:00 - 8:00

Exhibitors: Friday: 2:00 - 6:30
Saturday: 10:00 - 4:30

Friday, May 16th

12:00 - 1:00 Registration
1:00 - 2:30 Presentation 1
2:30 - 3:00 Break in the exhibitor area
3:00 - 4:30 Presentations 2 or 3
4:30 - 6:30 Social in the exhibitor area

Saturday, May 17th

7:00 - 8:00 Registration
8:00 - 9:30 Presentations 4 or 5
9:30 - 10:00 Break in the exhibitor area
10:00 - 11:30 Presentations 6 or 7
11:30 - 1:00 Lunch in Exhibitor Area/CSH business meeting
1:00 - 2:30 Presentations 8 or 9
2:30 - 3:00 Break in the exhibitor area
3:00 - 4:30 Presentations 10 or 11

Location: Embassy Suites
7290 Commerce Center Drive
Colorado Springs, CO, 80919
Ph: 719-599-9100

[Online reservations](#)



COLORADO SPRINGS

- Base elevation 6,035 feet. Pikes Peak summit elevation 14,110 feet
- US Olympic training center
- Air Force Academy, Fort Carson & NORAD
- Population 360,890

Deadlines:

Hotel Reservations - April 15, 2014
CSH Pre-registration - May 9, 2014

SESSION 1: FRIDAY AFTERNOON, MAY 16, 2014**1:00 PM - 2:30 PM, Presentations****1. Diagnostic Panels: What's New in the World of IHC (1.5 CEU credit hours)**

Debra Freeman, Technical Consultant, Cell Marque, Rocklin, CA.

In this workshop we will explore diagnostic markers that may be new to the audience. We will look at staining characteristics, unique applications and the diagnostic advantages of these novel antibodies. We will discuss diagnostic algorithms, an important tool pathologists use not only to diagnose specific tumors, but also to exclude certain conditions from the diagnosis. Understanding how these panels are developed and why certain antibodies are included is important for understanding the role of immunohistochemistry in the field of pathology. This workshop is designed to familiarize the audience with novel and routine antibodies and their applications. In addition, it will underline the importance of diagnostic panels to pathologists.

2:30 PM - 3:00 PM, Break**3:00 PM - 4:30 PM, Presentations****2. What Happened To My IHC & What Caused It? (1.5 CEU credit hours)**

Jesse del Campo, HT(ASCP), Technical Sales Specialist, Biocare Medical, Concord, CA

Wouldn't it be great to be able to narrow down and solve most of our IHC stain issues by the tell-tale signs on our slides. Brown halo, light blue halo around the tissue sample, counterstain coming off purple instead of blue, cells within the tissue sample looks like clouds and does not even match the H&E anymore are some of the tell-tale signs that makes the most of us wonder. Let's track it down to the source by understanding which steps causes what during the stain.

3. What's Eating you (1.5 CEU credit hours)

Dr. James E. Fitzpatrick M.D., CU Dermatopathology Consultants, Aurora, CO

Infestations of protozoa, worms, mites and insects.

4:30 - 6:30 PM, Social**SESSION 2: SATURDAY MORNING, MAY 17, 2014****8:00 AM - 9:30 AM, Presentations****4. Immuno (Double your pleasure) (1.5 CEU credit hours)**

Dr. James E. Fitzpatrick, M.D., CU Dermatopathology Consultants, Aurora, CO

The ins and outs of double staining in IHC.

5. - How histologists help neuropathologists provide accurate diagnoses and treatments for patients with brain and pituitary tumors (i.e., we cannot do it without YOU!) (1.5 CEU credit hours)

Dr. Bette K. Kleinschmidt-DeMasters, M.D., Professor and Head of Neuropathology, Univ. of Colorado, Aurora, CO

Every pathologist knows the critical role that histotechnologists play in supplying them with histochemical and immunohistochemical information that allows accurate diagnosis of tumors. However, it is becoming increasingly clear that immunohistochemistry (IHC) can also directly impact counseling regarding prognosis. IHC can also occasionally substitute for more expensive, time-consuming genetic testing for certain types of tumors. Specifically, IHC results can dictate whether or not targeted therapies can be utilized for a patient or even can influence whether additional surgery should be performed. Histotechnologists make a difference for neuropathologists principally in two classes of brain tumors: gliomas and pituitary adenomas. We will discuss how the use of immunohistochemical results can help clinicians determine prognosis for individual patients and how testing for several markers (IDH-1, BRAF VE1, pituitary hormonal types) directs choices of therapies.

9:30 AM - 10:00 AM, Break

SESSION 2: SATURDAY MORNING, MAY 17, 2014**10:00 AM - 11:30 PM, Presentations****6. Cancer in Hollywood (1.5 CEU credit hours)**

Debra Freeman, Technical Consultant, Cell Marque, Rocklin, CA.

Mr. T had Mycosis Fungoides? Humphrey Bogart had esophageal carcinoma? In this workshop, we will take an investigative approach to the fascinating world of celebrity diagnoses and examine each case from a pathological point of view. We will travel through Hollywood history to learn what conditions have affected people in the starlight and then examine the occurrence and diagnostic characteristics of each disease type. In particular, we will look at identifying histological characteristics and a specific immunophenotype for every tumor we encounter along the way. Participants will learn how to use different types of antibody flow charts and panels utilized by pathologists. We will also identify key new antibodies that are used by pathologists to differentiate, diagnose, and prognose these diseases. After this workshop, participants will be able to use these famous faces to remember key diagnostic features for a wide array of tumors.

7. Tech Advancements in Microtomy (1.5 CEU credit hours)

Jack Ratliff, Ratliff Histology Consultants, LLC, Franklin, TN

Join us as we take a look at the evolution of microtomy from a simple razor blade where the first histological sections were produced as part of the development of the light microscope, to the present day where non-contact infrared lasers represent the next frontier of histology! Our journey begins with the identification of the earliest forms of microtomy where we have our first look at several mechanical inventions engineered to section a variety of biological specimens for light microscopy. As we track the development of this specialized equipment over the next century, we next find modern day versions of equipment based upon the same principles of the past that have been uniquely refined and/or modified to specifically address an even wider variety of biological, synthetic and materials based specimens. Our final stop then brings us to the present day where the development and popularity of laser technology used in cosmetic applications has been adapted as a non-contact microtomy alternative for histology. Throughout this workshop we will focus to compare and contrast the conventional methods and equipment of the past and present with that of non-contact infrared lasers that have been specifically engineered for use in sectioning, micro-structuring and imaging of biological tissues and synthetically produced materials. Specific tissue preparation techniques will be discussed and attendees will also learn of Optical Coherence Tomography (OCT) and how this three-dimensional imaging technology, combined with laser microtomy, provides both the flexibility of 2-D and 3-D cutting and making laser microtomy highly suitable for a wide range of applications in life sciences and materials research. It has taken over 300 years of research, development, and technological innovation, but the next frontier of histology IS finally here!

11:30 PM - 1:00 PM Lunch & CSH Business Meeting**SESSION 3: SATURDAY AFTERNOON, MAY 17, 2014****1:00 PM - 2:30 PM, Presentations****8. Walking the Path (1.5 CEU credit hours)**

John McGinley, HTL(ASCP), Colorado State University, Fort Collins, CO

Histotechs are an integral part of cancer diagnosis, but in most cases we are so far removed from the patient we rarely stop to think about the person and the many lives that are touched by our work. A small piece of the patient is presented to us in a container of fixative, an accession number is assigned, the tissue is processed, cut and stained, and the slides laid neatly in a tray ready for microscopic examination. The routine process is repeated as more lives continue to move down this never ending assembly line of what we call diagnostic pathology. Our work is done, but this only marks the starting line of a long and arduous road for the patient. How does it feel to be a histotech traveling on this road of uncertainty? How different is life after hearing those three little words, "you have cancer"? What factors may have played a contributing role in the carcinogenic process? If cancer is the question, is immunohistochemistry always the right answer? What molecular markers are most informative? What lifestyle changes can be adopted in order to lower risk of recurrence? Find out as I share my personal journey of colorectal cancer from screening and diagnosis through radiation, surgery, chemo and life after treatment.

SESSION 3: SATURDAY AFTERNOON, MAY 17, 2014**1:00 PM - 2:30 PM, Presentations (cont.)****9. Why Re-Embed When You Can Weld and Microtomy Techniques (1.5 CEU credit hours)**

Jesse del Campo, HT(ASCP), Technical Sales Specialist, Biocare Medical, Concord, CA

This workshop is intended to alleviate the day to day frustrations that most laboratory technicians face. I would like to share how I solved these common issues without wasting time, wasting precious specimens and keeping the same orientation in the paraffin blocks. Technicians will never view an embedding center the same way after learning these techniques and Pathologists will appreciate the faster turnaround time, being able to keep the orientation and being able to save precious samples like needle core biopsies. Histotechs will also learn how to use reagents in their laboratory to aid them with their microtomy problems such as compressed tissues, air bubbles, soft tissues etc.

2:30 PM - 3:00 PM Break

3:00 PM - 4:30 PM, Presentations**10. A Practical Approach For The Histological Evaluation Of Undemineralized Bone (1.5 CEU credit hours)**

Jack Ratliff, Ratliff Histology Consultants, LLC, Franklin, TN

As musculoskeletal research progresses with new technological advancements in the areas of biological repair and replacement, histological evaluation continues to play a crucial role in the determination of safety and efficacy for these new treatments. While most will employ traditional and acceptable methods of decalcification and paraffin embedding for the demonstration of these critical components of evaluation, these techniques can sometimes be very challenging and/or impossible when presented with a variety of implant materials or devices. For example, to evaluate safety and efficacy of a metallic device coated with a biological therapeutic at the bone interface, one will need to forego traditional methods of decalcification and seek an undisturbed representation of the specimen by utilizing an embedding media that is both as hard as the specimen and the implant material. Additionally, it may also be important to use a media that will not distort or dissolve the coating. This workshop will address the use of resin histology techniques for the histological evaluation of undemineralized bone, synthetic biomaterials and medical device implants. Topics will include tissue preparation, fixation, processing, infiltration, and embedding/polymerization with the use of acrylic resins. We will also discuss several types of specialized microtomy techniques as related to small and large specimens and the presence or absence of foreign implanted materials.

11. Lates and Greats of Histology (1.5 CEU credit hours)

Stacey Langenberg, HT (ASCP) QIHC

This workshop is designed to educate the Histologist on the past and present leaders and educators in the field of Histology. From inventors of procedures of old and new to heroes and play makers in the Histology field. This will be conducted in a fun and exciting "quiz" show environment.

RESERVATIONS

If you intend to stay at the hotel it is strongly recommended that you make your reservation as soon as possible. All vacancies will be dropped after April 15th at which point there will be no guarantee of securing a room.

Guest rooms can be reserved by calling Embassy Suites at 719-599-9100 or [register online](#).

Room Options	Group Rate	Amenities
Double Room	\$105.00	<ul style="list-style-type: none"> • Beverage Area, Complimentary • Breakfast Area, Complimentary • COMPLIMENTARY Parking • Coin Laundry • Gift Shop • Laundry/Valet Service • Lounge • Room Service • Safety Deposit Box

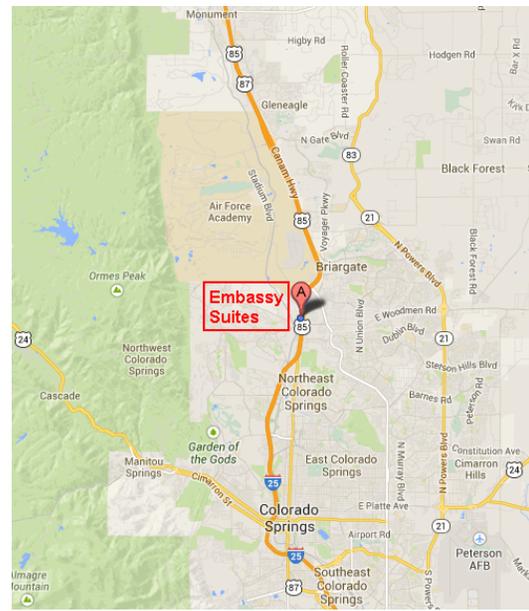
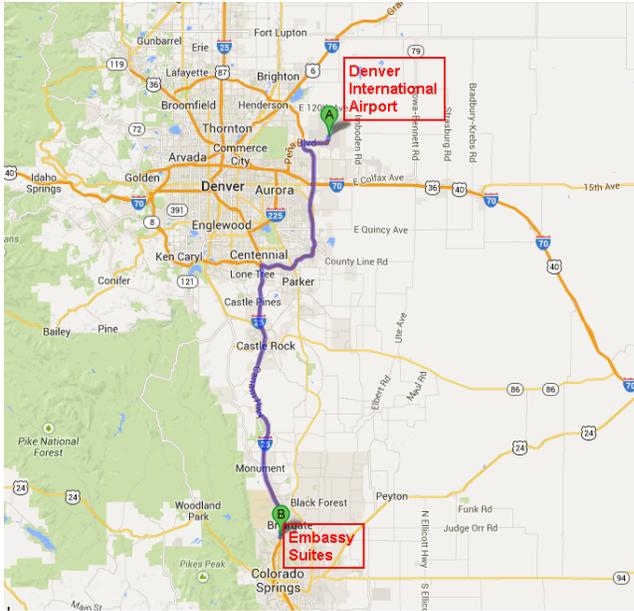
Check-in/Check-out:

Check-in begins at 3:00 PM. Anyone arriving prior to that time will be roomed as soon as possible, but sometimes a short wait is necessary. Check out time is 12:00 PM.

Late Check-Out Fee: \$50.00 12pm-3pm, 1/2 day charge. After 3pm full day charge.

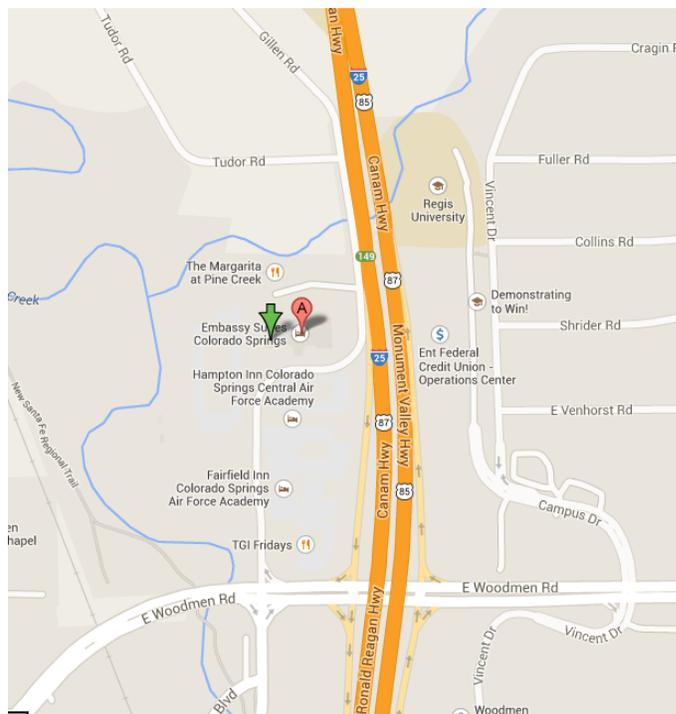


MAPS & DIRECTIONS



Colorado Springs airport to Embassy Suites

- Pena Blvd. to I70 west, to 225 so (Colorado Springs exit) 225 to I-25 South (Colorado Springs exit) I-25 south to exit 149 (Woodmen Rd.) 1 block to Commerce Center Drive right 1 block to hotel.



2014 CSH COMBINED MEMBERSHIP RENEWAL AND MEETING REGISTRATION FORM

Name: _____

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Employer: _____

Work Address: _____

City: _____ State: _____ Zip: _____

Work Phone: (____) _____ Work Fax: (____) _____

Work Email: _____

Home address: _____

City: _____ State: _____ Zip: _____

Home Phone: (____) _____ Home Email: _____

Referred By CSH Member: (optional) _____

Fees: Membership renewal for 2014-2015 is \$30.00



\$45.00 per session for new or renewed members. Note: A \$30.00 membership/renewal fee must be added to the total in order to receive the discount rate of \$45.00 per session. Details regarding the membership policy can be found on our website at www.coloradohisto.org.

Max charge new or renewed members = \$165.00 (3 session @ \$45.00 + \$30.00 membership)

\$85.00 per session for non-members, Max charge non-members = \$255.00 (3 sessions @ \$85.00)

	New or	
Please check the box next to the presentation(s) you wish to attend.	Renewed Member	Non-Member
	\$45.00/session	\$85.00/session

Session 1	1:00 - 2:30 <input type="checkbox"/> 1	\$ _____	\$ _____
	3:00 - 4:30 <input type="checkbox"/> 2 or <input type="checkbox"/> 3		
Session 2	8:30 - 10:00 <input type="checkbox"/> 4 or <input type="checkbox"/> 5	\$ _____	\$ _____
	10:30 - 12:00 <input type="checkbox"/> 6 or <input type="checkbox"/> 7		
Session 3	1:30 - 3:00 <input type="checkbox"/> 8 or <input type="checkbox"/> 9	\$ _____	\$ _____
	3:00 - 4:30 <input type="checkbox"/> 10 or <input type="checkbox"/> 11		

Membership Renewal: \$30.00 \$0.00

Please mail the completed form and funds to:

CSH Registrar:
c/o John McGinley
1318 Patterson Pl.
Fort Collins, CO 80526



Total: \$ _____ \$ _____

- Enclosed is my check for: \$ _____
- Pre-registration only. Funds to follow or will pay the day of the meeting.
- I am unable to attend the meeting, but would like to join or renew my CSH membership for 2014-2015.

Wk Ph: (970) 491-3041 Fax: (970) 491-3542

Online registration available at www.coloradohisto.org

COLORADO SOCIETY OF HISTOTECHNOLOGY

President

Ms. Jennifer Precord
CU Dermatopathology Consultants
1999 Fitzsimmons Pkwy, Suite 120
Aurora, CO 80045
Ph: 720-379-8559
jennifer.precord@ucdenver.edu

Vice-President

Mr. Matt Brown
UniPath, LLC
6116 E. Warren Ave.
Denver, CO 80222
Ph:303-512-2251
Fx: 303-512-2297
dmattbrown@gmail.com

Secretary

Mr. Philip Faulkner
CU Dermatopathology Consultants
1999 Fitzsimmons Pkwy, Suite 120
Aurora, CO 80045
Ph: 720-379-8559
philip.faulkner@ucdenver.edu

Treasurer

Ms. Donna Tucker
UCHSC
12605 E. 16th Ave., Campus
Box F768
Aurora, CO 80045
Ph: (720) 848-4363
Fx: (720) 848-0927
sobelle1@comcast.net

Region VII Director

Ms. Janet Maass
P.O. Box 270733
Fort Collins, CO 80527
jmaass@frii.com

Program Chair

Ms. Stacey Langenberg
CU Dermatopathology Consultants
1999 Fitzsimmons Pkwy, Suite 120
Aurora, CO 80045
Ph: 720-379-8559
stacey.langenberg@ucdenver.edu

INSIDE...
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INFORMATION,
REGISTRATION
AND CSH
MEMBERSHIP
RENEWAL

John McGinley,
CSH Registrar
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Fort Collins, CO 80526