

# 2013 SYMPOSIUM

## SYMPOSIUM IN FORT COLLINS

### INSIDE

<b>PROGRAM</b>	<b>2</b>
<b>PROGRAM CONTINUED</b>	<b>3</b>
<b>MEETING ROOMS</b>	<b>4</b>
<b>RESERVATION INFO</b>	<b>5</b>
<b>MAPS &amp; DIRECTIONS</b>	<b>6</b>
<b>REGISTRATION &amp; MEMBERSHIP RENEWAL FORM</b>	<b>7</b>



### Location:

La Quinta Inn  
3709 E Mulberry St.  
Fort Collins, CO 80524  
(970) 493-7800  
[www.lq.com](http://www.lq.com)



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

**Exhibitors:** Friday: 2:30 - 4:30  
Saturday: 9:30 - 3:00

### Friday, April 19th

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

### Saturday, April 20th

7:00 - 8:00 Registration  
8:00 - 9:30 Presentation 4  
9:30 - 10:00 Break in the exhibitor area  
10:00 - 11:30 Presentation 5  
11:30 - 1:00 Lunch/CSH business meeting in the exhibitor area  
1:00 - 2:30 Presentation 6  
2:30 - 3:00 Break in the exhibitor area  
3:00 - 4:30 Presentation 6 (cont.)

### Deadlines:

Hotel Reservations - March 23, 2013  
CSH Pre-registration - April 12, 2013

**Save time by registering  
& paying online**

[www.coloradohisto.org](http://www.coloradohisto.org)



### FORT COLLINS

- Founded in 1864
- Elevation: 5,003 ft.
- Population: 146,762
- Home of Colorado State University
- Money magazine's Best Place to Live in the U.S. in 2006, #2 in 2008, and #6 in 2010.

**SESSION 1: FRIDAY AFTERNOON, APRIL 19, 2013****1:00 PM - 2:30 PM, Presentation****1. Veterinary/Wildlife Pathology (1.5 CEU credit hours)**

*Sushan Han DVM, Colorado State University Diagnostic Laboratory, Fort Collins, CO*

Working with animal diseases and tissues has many challenges to their uniqueness. Different species has different diseases that only affect that species while some disease affect multiple species as well as can cross over to human. Multiple diseases and uniqueness of tissues will be covered grossly and microscopically in this presentation.

---

**2:30 PM - 3:00 PM, Break**

---

**3:00 PM - 4:00 PM, Presentation****2. Bone Research (1.0 CEU credit hours)**

*Christopher Kawcak DVM, PhD, Diplomate ACVS & ACVSMR, Equine Orthopaedic Research Center, Fort Collins, CO*

*Information will be presented on the preparation and interpretation of bone and joint tissues for histologic evaluation. Both decalcified and nondecalcified techniques will be reviewed, as well as techniques, both pre- and post-mortem that can optimize tissue preparation.*

---

**4:00 PM - 4:30 PM, Presentation****3. When might undecalcified histology be appropriate (0.5 CEU credit hours)**

*Cecily Broomfield, MSc, Orthopaedic Bioengineering Research Laboratory, Fort Collins, CO*

Processing undecalcified tissues may be challenging in processing of tissues, choosing the right resin, sectioning by multiple methods including using the Exakt system to make slides. I will explain multiple methods for sectioning bone as well as staining choices.

---

**4:30 - 6:30 PM, Social in the exhibitor area**

---

**SESSION 2: SATURDAY MORNING, APRIL 20, 2013****8:00 AM - 9:30 AM, Presentation****4. MOHS Micrographic Surgery: A Historical and Technical Perspective (1.5 CEU credit hours)**

*Matt Mahlberg, MD, Carlos Hernandez, HT(ASCP)CM, Lake Loveland Dermatology Clinic, Loveland, CO*

Mohs micrographic surgery is a specialized technique of surgery designed to optimally treat skin cancer. Originally developed in the 1930's by Dr. Frederic Mohs, the technique allows evaluation of the complete surgical margin to ensure the highest possible cure rate. Two of the most common forms of skin cancer treated using this technique is basal cell carcinoma and squamous cell carcinoma. Using Mohs surgery for primary BCC and SCC has a 98% cure rate. In this presentation, we will discuss the surgical and histological techniques unique to Mohs micrographic surgery and discuss its relevant indications.

---

**SESSION 2: SATURDAY MORNING, APRIL 20, 2013**

---

9:30 AM - 10:00 AM, Break

---

10:00 AM - 11:30 AM, Presentation

**5. Key Concepts in the Preparation and Processing of Bone Marrow Specimens. (1.5 CEU credit hours)**

*Christopher Bee, MD Summit Pathology, Loveland, CO*

No abstract available at this time.

---

11:30 PM - 1:00 PM Lunch & CSH Business Meeting

---

**SESSION 3: SATURDAY AFTERNOON, APRIL 20, 2013**

1:00 PM - 2:30 PM, Presentation

**6. Immunofluorescence (3.0 CEU credit hours)**

*Gayle Callis, HT, HTL, MT(ASCP) , GCallis Histology Service, LLC, Bozeman, MT*

Immunofluorescence (IF) has been used in clinical laboratories for many years to detect immune deposits in kidney, skin biopsies and some infectious diseases. Although IF staining is often a preferred method in research laboratories, it can be just as useful for clinical diagnosis especially when double IF provides distinct, clear co-localization of cells or tissue components as compared to chromogenic IHC. IF can be used with either FFPE (formalin fixed paraffin embedded) or frozen sections. Tissue preparation including tissue freezing techniques, fixation, reagents, fluorophores, fluorescent nuclear counterstains, mounting medias along with technical hints to achieve good staining are presented. One can use non-kit IF methods, recently available commercial IF kits or manipulate/modify an existing enzyme immunohistochemistry (IHC) kits to work for IF staining. Rationale for using double IF is presented along with defining basic fluorescence terminology e.g. fluorescence quenching, photo-bleaching, auto-fluorescence with ways to avoid or solve problem of aldehyde induced or naturally occurring auto-fluorescence. Single and double IF methods will be presented.

---

2:30 PM - 3:00 PM Break

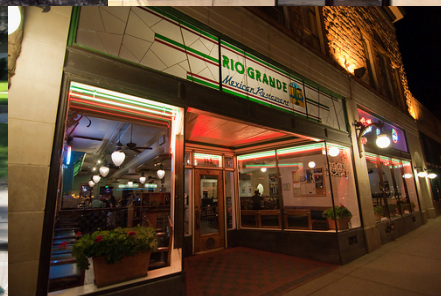
---

3:00 PM - 4:30 PM, Presentation

**6. (cont.) Immunofluorescence**

*Gayle Callis, HT, HTL, MT(ASCP) , GCallis Histology Service, LLC, Bozeman, MT*



**MEETING ROOMS****FOCO**



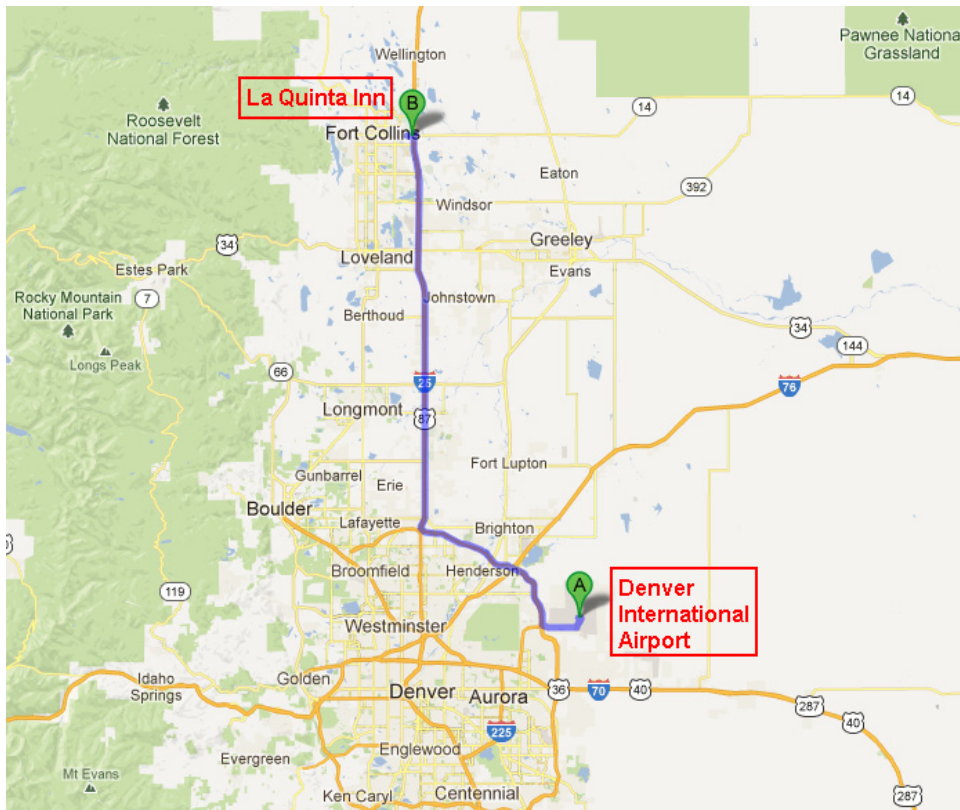
## RESERVATIONS

If you intend to reserve a room it is strongly recommended that you make your reservation as soon as possible, 970-493 7800. All reservations should be made before 3/23/12.

### Online Reservations



## MAPS & DIRECTIONS



La Quinta is located 63-miles north of Denver.

Take I-25 N to the Mulberry St. exit (269B) west Fort Collins.

Address is 3709 E Mulberry St.

# 2013 CSH COMBINED MEMBERSHIP RENEWAL AND MEETING REGISTRATION FORM

Save time by registering & paying online at [www.coloradohisto.org](http://www.coloradohisto.org)

Page 7



Name: \_\_\_\_\_

Employer: \_\_\_\_\_

Work Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Work Phone: (\_\_\_\_) \_\_\_\_\_

Home address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home/Cell Phone: (\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_ (work or home)

Referred By CSH Member: \_\_\_\_\_ (optional)



CSH Federal  
Employee Tax ID  
**84-0942493**

**Fees: Membership renewal for 2013-2014 is \$20.00**



**\$35.00 per session for new or renewed members.** Note: A \$20.00 membership/renewal fee must be added to the total in order to receive the discount rate of \$35.00 per session. Details regarding the membership policy can be found on our website at [www.coloradohisto.org](http://www.coloradohisto.org).

**Max charge new or renewed members = \$125.00 (3 sessions @ \$35.00 + \$20.00 membership)**

**\$55.00 per session for non-members, Max charge non-members = \$165.00 (3 sessions @ \$55.00)**

Please check the box next to the presentation(s) you wish to attend. Note: gray shaded presentations are 3 hours.

		New or Renewed Member \$35.00/session	Non-Member \$55.00/session
--	--	---	-------------------------------

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

Membership Renewal: \$20.00 \$0.00

Please register & pay online at [www.coloradohisto.org](http://www.coloradohisto.org) or mail the completed form and funds to:

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

Wk Ph: (970) 491-3041 Fax: (970) 491-3542  
[john.mcginley@colostate.edu](mailto:john.mcginley@colostate.edu)

- Total:** \$ \_\_\_\_\_ \$ \_\_\_\_\_
- ☐ I will pay online using a credit card ([www.coloradohisto.org](http://www.coloradohisto.org))
  - ☐ 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 2013-2014



## COLORADO SOCIETY OF HISTOTECHNOLOGY

### President

Ms. Stacey Langengberg  
CU Dermatopathology Consultants  
12635 E. Montview Blvd. Suite 160  
Aurora, CO 80045  
Ph: (720) 859-3559

[stacey.langenberg@comcast.net](mailto:stacey.langenberg@comcast.net)

### Vice-President

Ms. Jennifer Tafoya  
CU Dermatopathology Consultants  
1999 Fitzsimmons Pkwy, Suite 120  
Aurora, CO 80045  
Ph: 720-379-8559

[jennifer.tafoya@ucdenver.edu](mailto:jennifer.tafoya@ucdenver.edu)

### Secretary

Philip Faulkner  
CU Dermatopathology Consultants  
1999 Fitzsimmons Pkwy, Suite 120  
Aurora, CO 80045  
Ph: 720-379-8559

[philip.faulkner@ucdenver.edu](mailto: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

[donna.tucker@ucdenver.edu](mailto:donna.tucker@ucdenver.edu)

### **Program Chair & Region VII Director**

Ms. Janet Maass  
P.O. Box 270733  
Fort Collins, CO 80527

[jmaass@frii.com](mailto:jmaass@frii.com)

***INSIDE...***  
**2013 CSH**  
**SYMPOSIUM**  
**IN FORT COLLINS**  
**INFORMATION,**  
**REGISTRATION**  
**AND CSH**  
**MEMBERSHIP**  
**RENEWAL**

John McGinley,  
CSH Registrar  
1318 Patterson Pl.  
Fort Collins, CO 80526