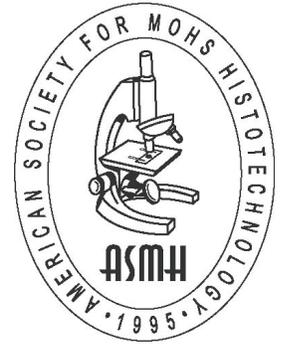


ASMH 20TH ANNUAL MEETING

FINAL PROGRAM



May 2 – 3, 2014
JW Marriott Desert Ridge
Phoenix, AZ

TABLE OF CONTENTS

General Meeting Information	3
2013-2014 Officer and Board Roster.....	4
2013-2014 ASMH Committees.....	4
Welcome Messages.....	5
Program-at-a-Glance	7
ASMH 2014 New Members	9
JW Marriott Desert Ridge Floor Map	10
Hotel & Tourist Information	11
<u>Scientific Program Schedule</u>	
Friday, May 2	12
Saturday, May 3.....	13
Concurrent Workshop Details.....	14
Abstract Winner	15
Annual Meeting Speakers, Presenters & Supporters.....	16
Exhibit Hall Floor Plan.....	17
Exhibitor Listing	18
Cryostat Workshop Handouts.....	23
General Session Handouts	31
ACMS Program-at-a-Glance.....	58
Save the Date 2015.....	BACK COVER



GENERAL MEETING INFORMATION

CONTACT HOURS

The National Society for Histotechnology (NSH) approved the ASMH 20th Annual Meeting for up to 12.5 Continuing Education Unit Contact Hours.

Meeting attendees are responsible for signing-in on the Attendance Record form at the Registration Desk, as well as tracking their session attendance and reporting it directly to the NSH for contact hour credit. There is no fee for this service. NSH can be reached at (443) 535-4060 or histo@nsh.org.

CERTIFICATE OF PARTICIPATION

Certificate of Participation is in your registration packet.

NETWORKING RECEPTION

A networking reception will take place on Friday, May 2, from 5 pm to 6:30 pm in the Exhibit Hall (*Grand Saguaro North & South*). Light hors d'oeuvres will be served, along with beer, wine, and soda. Please join us to meet and network with fellow attendees and exhibitors.

ANNUAL BUSINESS MEETING (*ASMH Members Only*)

The ASMH 2014 Annual Business Meeting will be held at 9 am on Saturday, May 3 (*Grand Sonoran G*). Breakfast will be provided.

CONTINENTAL BREAKFAST

Continental breakfast will be provided to all meeting attendees on Friday, May 2 from 8:30 – 9:00 am outside of the general session room (*Grand Sonoran G*).

ASMH HAS A NEW PHONE NUMBER

The ASMH office has a new phone number. Please make note: **(414) 918-9813**



American Society for Mohs Histotechnology

555 East Wells Street, Suite 1100
Milwaukee, WI 53202

Phone: (414) 918-9813

Fax: (414) 276-3349

Email: info@mohstech.org

Website: <http://www.mohstech.org>

Photography Policy

The ASMH arranged for a photographer to be present throughout the 2014 Annual Meeting. ASMH may use these photos on its website or in other official printed publications. Individuals photographed will not receive compensation for the use and release of these photos and will be deemed to have consented to the use and release of photos in which they appear. Individuals also acknowledge ASMH has the right to crop or treat the photos at its discretion. If you are opposed to being photographed, please immediately notify the photographer or ASMH staff if your picture is taken.



[facebook.com/ASMHMohs](https://www.facebook.com/ASMHMohs)



twitter.com/ASMHMohs

**2013 - 2014
OFFICERS & BOARD MEMBERS**

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Jeanie Wade, HT (ASCP)

VICE PRESIDENT

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SECRETARY

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Stephanie D. Crawford, HT (ASCP)

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Daniel H. Gong, MS

Guy E. Orchard, PhD, MSc, FIBMS

Fatat Sleiman, HT

ACMS REPRESENTATIVES

Alysa R. Herman, MD

Duane C. Whitaker, MD

**2013 - 2014
ASMH COMMITTEES**

PROGRAM COMMITTEE

M. Maureen Gagnot, HT (ASCP), *Chair*

Kathi McAdoo, *Co-Chair*

Diana R. Encinas, *Ex-officio*

Linda R. Cesario, DPM, HT (ASCP)

Robert L. Milewski, HT

Robert Tagliaferro, HT

Jeanie Wade, HT (ASCP)

MEMBERSHIP COMMITTEE

Carlette M. Geddis, HTL

Joyce L. Bidwell, MA

Laura S. Hyre

Fatat Sleiman, HT

MTQA TRAINING INITIATIVE COMMITTEE

Linda R. Cesario, DPM, HT (ASCP), *Chair*

Daniel H. Gong, MS

Kathy L. Hicks, HT (ASCP)

MTQA TRAINERS:

Norma L. Anderson, HT (ASCP)

Joyce L. Bidwell, MA

Patricia A. Brunelle, HT

Linda R. Cesario, DPM, HT (ASCP)

Amanda L. Faust, HT, BSW

Daniel H. Gong, MS

Kathy L. Hicks, HT (ASCP)

Reginald M. Manney, HT

Marilyn McCulloch, CLT

Stephanie S. Petrow, HT

Ana I. Santos, CMA, PA

Fatat Sleiman, HT

Thomas E. Sturm, HT (ASCP)

Deborah A. Theis-Pruett, HT (ASCP)

Lynn Whitmore, HT (ASCP)

Lisa Zhu, HT (ASCP)

WELCOME FROM THE PRESIDENT

Dear ASMH members and colleagues,

ASMH enjoyed another great year and I welcome you to the 20th Anniversary of our Annual Meeting! Our Program Committee, headed by Mo Gagnot and Kathi McAdoo, has been very dedicated to bring you a meeting filled with a variety of topics and exciting presentations this year.

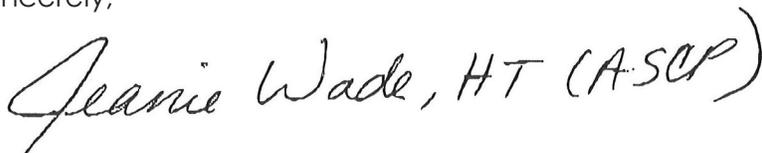
The ASMH meeting is a great opportunity to not only learn about the different aspects of your duties as a Mohs Technician, but also to network and learn about other Mohs Technicians from around the globe. I encourage you take time to get to know your fellow techs in sessions and by taking advantage of the Networking Reception and other various social opportunities. We welcome several new members this year; please introduce yourself to the new members you see during the meeting. With so many friendly and outgoing colleagues, we definitely want to make our newest members feel welcome.

I express my sincere gratitude to the wonderful presenters who volunteered their time and resources this year. This year's 20th Anniversary meeting features seven ACMS physician-led sessions! A very special thanks to all of them for donating time away from their own meeting to further our knowledge base: Drs. Michael Colgan, Marcus Frohm, Kenneth Klein, Juan-Carlos Martinez, Shari Ochoa, Anthony Rossi, and Valencia Thomas. We also have a number of members taking part in group presentations and volunteering to assist with the workshops. Make sure you take a moment to thank each of them.

Check out the Exhibit Hall. There is an array of companies present to show you their products and services. The Exhibit Hall is located in Grand Saguaro North & South and information on all attending exhibitors can be found on page 17.

Welcome to the ASMH Annual Meeting!

Sincerely,

A handwritten signature in black ink that reads "Jeanie Wade, HT (ASCP)". The signature is written in a cursive, flowing style.

Jeanie Wade, HT (ASCP)
ASMH President

WELCOME FROM THE PROGRAM CHAIRS

Dear ASMH members and colleagues,

We are very excited to welcome you to beautiful Phoenix for the 20th Annual Meeting of the American Society for Mohs Histotechnology.

We incorporated many of your suggestions and worked to put together a great meeting this year. Like always, we have a full agenda during the next two days, so please take a few minutes to read through the program for workshop and session start times. We are honored to include a number of ACMS member physicians presenting on various topics.

Aside from the great educational lineup, take some time to enjoy the beautiful sights while you are here. The JW Marriott Desert Ridge offers tennis, swimming, spa and fitness centers onsite with biking, hiking, and horseback riding trails located a short distance away. If you're looking for some "retail therapy" – just across the road is the Desert Ridge Shopping Center.

Lastly, please fill out the survey questionnaires at the end of every session to help us plan the next year's meeting in San Antonio, Texas.

On behalf of the planning committee and the ASMH, we thank you for joining us in Phoenix for the 20th Annual Meeting of the ASMH.

Sincerely,

M. Maureen Gagnot, HT (ASCP), Program Chair
Kathi McAdoo, Program Co-Chair
2014 Annual Meeting Program Committee

PROGRAM-AT-A-GLANCE

Thursday, May 1

6:30 am – 5:00 pm	Meeting Registration/Information	Grand Canyon Foyer
6:30 am – 5:00 pm	Speaker Ready Room	Grand Sonoran H
12:00 pm – 7:30 pm	Exhibit Hall Open	Grand Saguaro North & South
5:30 pm – 7:30 pm	Exhibit Hall Grand Opening	Grand Saguaro North & South

Friday, May 2

6:30 am – 5:00 pm	Meeting Registration/Information	Grand Canyon Foyer
6:30 am – 5:00 pm	Speaker Ready Room	Grand Sonoran H
11:30 am – 6:30 pm	Exhibit Hall Open	Grand Saguaro North & South
8:30 – 9:00 am	Continental Breakfast	Grand Sonoran G
9:00 am – 10:30 am 9:00 am 9:15 am 9:30 am 10:00 am	General Session 1 Opening Remarks and Welcome <i>Jeanie Wade, HT(ASCP), ASMH President</i> ASMH Founding Members On this 20 th Anniversary, join us in recognizing our founding members who formed ASMH. Ergonomics & Repetitive Motion Injury <i>Raymond Hucke, OT</i> Basic Biochemistry Theory of IHC (Antibodies, Reagents, and Troubleshooting Tips) <i>Robert L. Milewski, HT</i>	Grand Sonoran G
10:30 am – 12:00 pm 10:30 am 11:00 am	General Session 2 Eyelid & Conjunctival Margins <i>Alex G. Lutz, BS</i> CAP Accreditation & Mohs Surgical Laboratories <i>Kenneth M. Klein, MD, FCAP</i>	Grand Sonoran G
12:00 pm – 1:00 pm	Lunch on your own Visit Exhibit Hall (<i>complimentary beverage/snack</i>)	Grand Saguaro North & South
1:00 pm – 3:30 pm 1:00 pm 1:30 pm 2:00 pm 2:30 pm 3:00 pm	General Session 3 Hip to be Square <i>Shari A. Ochoa, MD, MS</i> What Happens after the Patient is 'Clear': The Basics of Reconstruction <i>Juan-Carlos Martinez, MD</i> IHC: What's in it for me? <i>Erin Grimes, HT</i> Beginner Cryotomy Lecture <i>Robert Tagliafarro, HT</i> Advanced Cryotomy Lecture <i>Jeanie Wade, HT(ASCP)</i>	Grand Sonoran G
3:30 – 4:30 pm	Immunohistochemistry Workshop	Grand Sonoran K
3:30 – 4:30 pm	Cryostat Workshop	Grand Sonoran I
5:00 pm – 6:30 pm	Networking Reception	Grand Saguaro North & South

PROGRAM-AT-A-GLANCE

Saturday, May 3

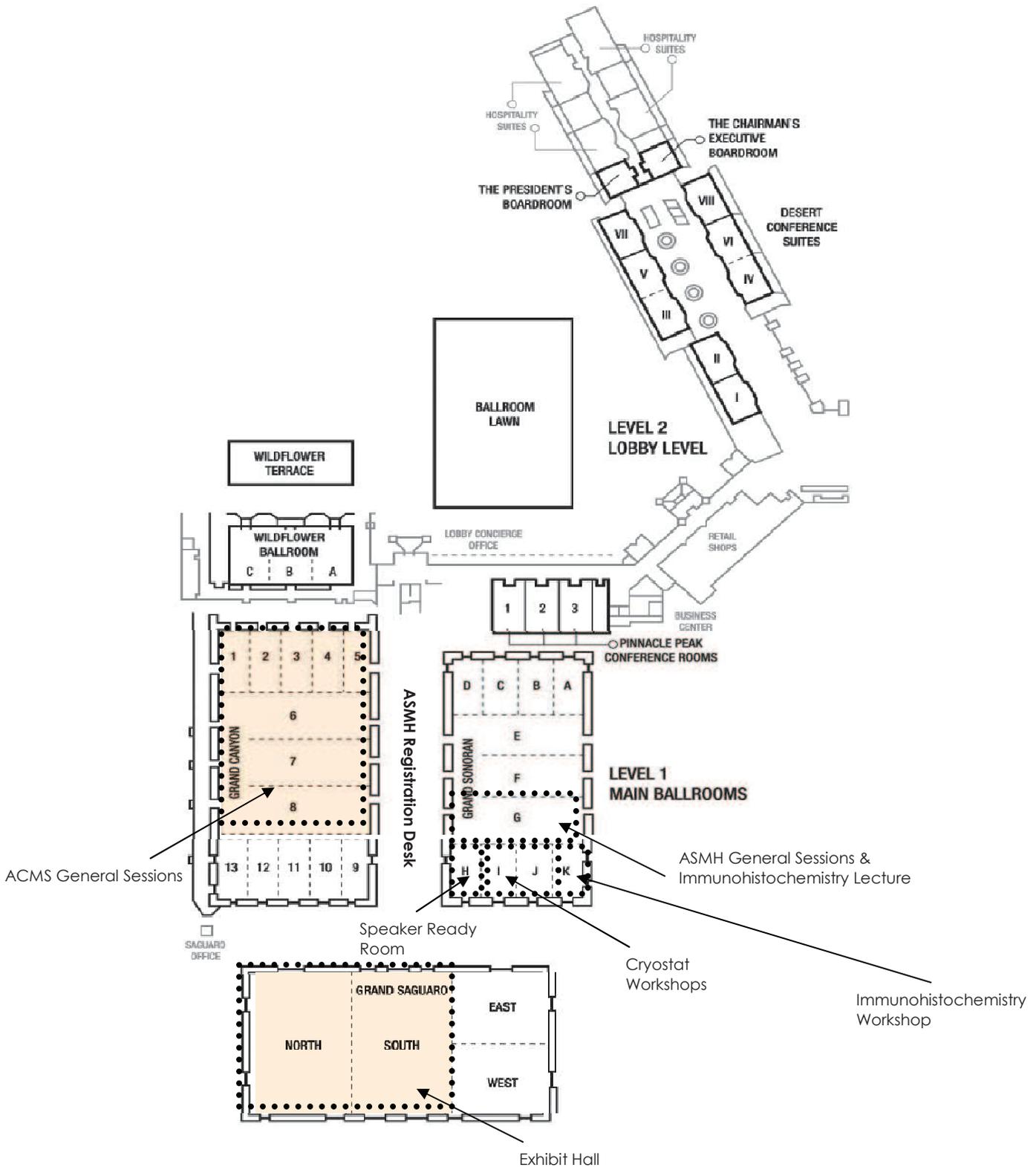
6:30 am – 4:00 pm	Meeting Registration/Information	Grand Canyon Foyer
6:30 am – 4:00 pm	Speaker Ready Room	Grand Sonoran H
8:00 am – 2:00 pm	Exhibit Hall Open <i>Coffee available 8:00 – 10:00 a.m. in Exhibit Hall</i>	Grand Saguaro North & South
7:30 am – 8:30 am	Immunohistochemistry Lecture	Grand Sonoran G
7:30 am – 8:30 am	Cryostat Workshop	Grand Sonoran I
9:00 am – 10:00 am	ASMH Business Breakfast Meeting - Members only	Grand Sonoran G
10:00 am – 12:00 pm 10:00 am 10:30 am 11:00 am	General Session 4 Perineural Invasion <i>Michael B. Colgan, MD</i> Derm Pathology <i>Valencia D. Thomas, MD</i> CLIA <i>Marcie Bentley</i>	Grand Sonoran G
12:00 pm – 1:00 pm	Lunch in the Exhibit Hall	Grand Saguaro North & South
1:00 pm – 2:30 pm 1:00 pm 1:30 pm 2:00 pm	General Session 5 Mohs in the Netherlands <i>John de Leeuw, HT</i> How to Choose Vertical versus Horizontal Bisection of Mohs Tissue Grossing Skin Cancers and Critical Facial Regions <i>Anthony Rossi, MD</i> Multidisciplinary Management of Merkel Cell Carcinoma <i>Marcus L. Frohm, MD</i>	Grand Sonoran G
2:30 pm – 4:30 pm 2:30 pm 3:00 pm 3:45 pm 4:00 pm 4:30 pm	General Session 6 Embedding Challenges <i>Daniel H. Gong, MS</i> Mohs: Past, Present, & Future <i>Guy E. Orchard, PhD, MSc, FIBMS</i> 2014 Abstract Award Winner: Block Alignment in Cryotomy and False Positives <i>Kurt Hemmings</i> Troubleshooting Open Forum <i>Drop off questions in advance at the ASMH Registration Desk</i> Meeting Adjourned	Grand Sonoran G

WELCOME TO OUR NEW MEMBERS

As of April 1, 2014

Ashtynn T. Aker, HT	Carman R. Lang
David W. Anderson	Nicole M. Leibold, HTL
Tony L. Autry, HT	Nancy Libanag
Pinky Bansal, HT	Crystal R. Malone
Kim Bartlett	Chris Martin
Barbara L. Beitia	Dawn Danell Marzitelli, HT
Dillon Beutler	Brittany H. Mitchell, LPN
Keshav K. Bhutani	Anne M. Murvosh, HT
Kristin Braxton	Theresa Myers
Melissa Brindley	Mary Jo Palmer
Lauralee Burger	Katie M. Parnell
Johnathan W. Burpo	Ana L. Pastor
Susan L. Campbell, HT	Kasie Patalan
Lisette Carlos	Karalynne Primm
Adolfo R. Centurion, HT	Hector A. Ramirez, HT
Margaret M. Clarke	Olivia B. Reynolds, RN
Mark A. Collins	Raven Rodriguez
Katherine A. Cook, MLT (ASCP)	Stephen Jon Sinquefield
Taleisha Cook	Gerri Slim
Randall L. Coutermarsh, Sr., HT (ASCP), AS	Amanda E. Smith, HT
Tima M. Cox, LPN	Patrice D. Smith-Simmons, HT
Tina M. Cramer	Samantha R. Sommers
Heather R. D'Orazio	Jill M. Sturm
Sandra Esparza, HT (ASCP)	Tracy L. Sullivan
Luis Espinal	Herman Taborga
Scott E. Faulkner, HT	Jackie A. Thomas
Nancy Galindo	Danielle C. Tommaso
William R. Garnhart, HT	Angelina M. Tramonte
Gwen Gash	Brandy Tuggle
Sarani Goswami	Donna J. Turner, HT (ASCP)
Renee Hall	Morgan R. Vemu
Stephanie A. Huff	Lisa A. Whipps
Lesley A. Hunt, LPN	Sandra Lee Williams
Gabe Insurriaga	Bridgett D. Wills
Almaz Isaac	Brianna L. Wilson
Bryant Johnson	Michael Jian Wu
Shawndy Kekumu-Credo	Dallas Yoast
Danielle Keller	Lori Zegarelli, CST
Justine M. Kinerson	Jijiang Zhu
Audra L. Lacour	David M. Zloty, MD

JW MARRIOTT DESERT RIDGE FLOOR MAP



HOTEL & TRANSPORTATION INFORMATION

The 2014 ASMH Annual Meeting will be held at:
JW Marriott Phoenix Desert Ridge Resort & Spa



5350 East Marriott Drive
Phoenix, Arizona 85054
Phone: (480) 293-5000 / (800) 835-6206
<http://www.marriott.com/jw-marriott/travel.mi>

Check-in time is 4:00 pm MST (PDT)
Check-out time is 11:00 am MST (PDT)

JW Marriott Desert Ridge Parking

Self: \$10 plus tax, per day
Valet: \$27 plus tax, per day

Airport

Phoenix Sky Harbor International Airport (PHX) (27 miles)
3400 East Sky Harbor Boulevard
Phoenix, AZ 85034
(602) 273-3300
www.skyharbor.com

Transportation from Phoenix Sky Harbor

- **Taxi:** Taxi terminal access is as follows: Terminal 2: East of the North curb, outside door # 8. Terminal 3: North curbside, outside door # 7 and Terminal 4: Level 1, North curbside, outside door # 7.
- **Shared Van Service:** Van terminal access is as follows: Terminal 2: North curbside, Terminal 3: North and south curbside and Terminal 4: Level 1, north and south curbside. Vans operate 24 hours on a scheduled basis, with vans departing every 15 minutes from 9 a.m. to 9 p.m.

PHOENIX, AZ TOURIST INFORMATION

Onsite Hotel Recreation

- Resort Fitness Center
- Outdoor pools
- Whirlpool
- Revive Spa
- Wildfire Golf Club

Nearby Recreation

- Bike rentals
- Biking trail 5 mile(s)
- Bowling 4.3 mile(s)
- Hiking 5 mile(s)
- Horseback riding 3.4 mile(s)
- Jogging/fitness trail
- Miniature golf 3.9 mile(s)
- Mountain biking, trail 5 mile(s)
- Nature preserve, trail 5 mile(s)
- Rock climbing 15 mile(s)
- Sauna
- Tennis

Nearby Attractions

- Desert Ridge Marketplace (.6 miles – walk-able)
- Taliesin West (FLW) (12 miles)
- Historic Old Town Scottsdale (19 miles)
- Phoenix Zoo (24 miles)
- Phoenix Art Museum (20 miles)
- Desert Botanical Gardens (23 miles)
- Bank One Ballpark - AZ Diamondbacks (21 miles)
- Grand Canyon (215 miles)



SCIENTIFIC PROGRAM – FRIDAY, MAY 2

GENERAL SESSION 1 – Grand Sonoran G

9:00 am – 9:15 am

Opening Remarks and Welcome

Jeanie Wade, HT (ASCP), ASMH President

9:15 am – 9:30 am

ASMH Founding Members

On this 20th Anniversary, join us in recognizing our founding members who formed ASMH.

9:30 am – 10:00 am

Ergonomics & Repetitive Motion Injury

Raymond Hucke, OT

Is the end of the work shift met with stiffness and pain? What are cues that something needs to change? We cannot change every element of our work but it is important to recognize better postures and work practices that help complete our work more comfortably.

(See pg. 31 for handouts)

10:00 am – 10:30 am

Basic Biochemistry Theory of IHC (Antibodies, Reagents, and Troubleshooting Tips)

Robert L. Milewski, HT

Discussion includes the history of IHC, how antibodies are made, what each reagent is doing on the molecular level, and critical techniques to assure an excellent IHC slide.

(See pg. 34 for handouts)

GENERAL SESSION 2 – Grand Sonoran G

10:30 am – 11:00 am

Eyelid & Conjunctival Margins

Alex G. Lutz, BS

Mohs surgery on the eyelid is among the most sensitive of areas cosmetically. During this talk we will discuss the ways of properly identifying/processing conjunctival vs. epidermal margins.

11:00 am – 12:00 pm

CAP Accreditation & Mohs Surgical Laboratories

Kenneth M. Klein, MD, FCAP

Learn about the College of American Pathologists' (CAP) accreditation program, including how it handles Mohs surgery laboratories as part of the accreditation inspection process.

(See pg. 35 for handouts)

GENERAL SESSION 3 – Grand Sonoran G

1:00 pm – 1:30 pm

Hip to be Square

Shari A. Ochoa, MD, MS

The square technique is an alternative surgical treatment to Mohs surgery for lentigo maligna (melanoma in situ). Methods of tumor extirpation and tissue processing will be described.

1:30 pm – 2:00 pm

What Happens after the Patient is 'Clear': The Basics of Reconstruction

Juan-Carlos Martinez, MD

Learn the basics of facial reconstruction of Mohs surgical defects. Linear closures, grafts, and flaps will be illustrated and briefly discussed.

2:00 pm – 2:30 pm

IHC: What's in it for me?

Erin Grimes, HT

Discussion focused around techniques and documentation to help with the validation process as it relates to CAP and the strict regulations.

2:30 pm – 3:00 pm

Beginner Cryotomy Lecture

Robert Tagliafarro, HT

A fundamental overview of Mohs Histopathology techniques, practices, and methodologies to process Mohs tissue specimens for analysis and determination of clear surgical margins.

(See pg. 23 for handouts)

3:00 pm – 3:30 pm

Advanced Cryotomy Lecture

Jeanie Wade, HT(ASCP)

An in-depth presentation on how to process full thickness wedge specimens, provide instruction on acquiring a complete representative section of fatty (non-cutting) tissue, how to manipulate the contours of cartilage, and to transition epidermis to an even plane with the deep margin.

(See pg. 26 for handouts)

SCIENTIFIC PROGRAM – SATURDAY, MAY 3

ASMH Business Breakfast Meeting & Breakfast* – Grand Sonoran G

9:00 am – 10:00 am

Business meeting to announce 2014 Board of Directors election results, ASMH year in review, as well as plans and goals for the coming year.

**Breakfast will be served during the business meeting only.*

ASMH Members Only

GENERAL SESSION 4 – Grand Sonoran G

10:00 am – 10:30 am

Perineural Invasion

Michael B. Colgan, MD

Discussion will include the role of perineural invasion in cutaneous oncology, its relevance to the practicing Mohs surgeon, and techniques in tissue processing to help illuminate perineural invasion.

10:30 am – 11:00 am

Derm Pathology

Valencia D. Thomas, MD

Derm Pathology as it relates to basal cell carcinoma, squamous cell carcinoma, melanoma, microcystic adnexal carcinoma, sebaceous carcinoma, and DFSP.

11:00 am – 12:00 pm

CLIA

Marcie Bentley

This presentation is about how the Clinical Laboratory Improvement Amendments of 1988 (CLIA) regulations pertain to Mohs laboratories. Topics will include some CLIA background, the regulations for the Pre-Analytic, Analytic, and Post-Analytic phases of testing, and common deficiencies cited.

GENERAL SESSION 5 – Grand Sonoran G

1:00 pm – 1:30 pm

Mohs in the Netherlands

John de Leeuw, HT

A small journey through Mohs in the Netherlands including history of Mohs and information/ differences between techniques: "Mohs" and "slow Mohs", which is used in the Netherlands.

(See pg. 41 for handouts)

1:30 pm – 2:00 pm

How to Choose Vertical versus Horizontal Bisection of Mohs Tissue Grossing Skin Cancers and Critical Facial Regions

Anthony Rossi, MD

There are many methods for grossing excised Mohs tissue. Frequently excised tissue is divided or bisected along the long axis following the score marks into two pieces to facilitate tissue processing and preserve tissue orientation. However, in certain facial regions, the decision to bisect the tissue in a horizontal vs vertical plane is particularly critical for many reasons. Anatomic structures such as the eyelid, ear, and lip consist of multiple tissue planes with varied composition (such as fat, conjunctiva, and cartilage), varied texture, and inherent fragility. Since these variables affect tissue processing and histologic interpretation, it is important to consider these implications when deciding how to divide or bisect Mohs tissue during grossing.

2:00 pm – 2:30 pm

Multidisciplinary Management of Merkel Cell Carcinoma

Marcus L. Frohm, MD

Merkel Cell carcinoma (MCC) is a highly aggressive cutaneous malignancy with a significant risk of metastases and death. Clinical management is often challenging due to a lack of high-level evidence-based data. Current treatment recommendations within a multidisciplinary collaborative setting will be reviewed.

GENERAL SESSION 6 – Grand Sonoran G

2:30 pm – 3:00 pm

Embedding Challenges

Daniel H. Gong, MS

Embedding for Mohs cryotomy is a critical step. This presentation discusses the most common embedding challenges, methods, and tricks. My motto is "stay calm when you have a challenging specimen."

SCIENTIFIC PROGRAM – SATURDAY, MAY 3

3:00 pm – 3:45 pm

Mohs: Past, Present, & Future

Guy E. Orchard, PhD, MSc, FIBMS

Since the 1930s Mohs surgery has developed beyond cryostat sectioning and now encompasses slow Mohs, immunocytochemistry, and scanning methods. Future developments will rely on well trained laboratory and clinical staff alike.

(See pg. 46 for handouts)

3:45 pm – 4:00 pm

2014 Abstract Award Winner

Block Alignment in Cryotomy and False Positives

Kurt Hemmings

Cryotomy and the inherent deficiencies in alignment of the block face to the blade.

4:00 pm – 4:30 pm

Troubleshooting Open Forum

Drop off questions in advance at the ASMH Registration Desk

CONCURRENT WORKSHOPS

Friday, May 2

3:30 - 4:30 pm

Immunohistochemistry Workshop

Grand Sonoran K

Sakina A. Sadiq, BS, HT, HTL, QIHC

A demonstration of slide staining for MART-1 including procedures, equipment and staining protocols. Experienced workshop volunteers will assist with staining questions and issues involving many aspects of MART-1 staining and troubleshooting.

Cryostat Workshop

Grand Sonoran I

Rodney K. Barber, HT; Diana R. Encinas; Reginald M. Manney, HT; Stephanie S. Petrow, HT; Robert Tagliafero, HT; Jeanie Wade, HT (ASCP)

Receive direct guidance and advice from experienced workshop volunteers to learn tips and refine techniques that will help you with cryostat use in the Mohs lab. We will also cover cryostat embedding and cutting techniques and maintenance.

Saturday, May 3

7:30 - 8:30 am

Immunohistochemistry Lecture

Grand Sonoran G

Kristen L. Cox, HT

An interactive introduction to immunohistochemistry for the treatment of melanoma. This workshop is designed for those who are not yet processing melanoma using MART-1 and are interested in learning the protocols for integration into their lab routine. We will also be discussing some of the helpful hints (aka "pearls") to improve the quality of the MART-1 slides as well as some troubleshooting ideas. Materials and slides will be provided for the participants.

Cryostat Workshop

Grand Sonoran I

Rodney K. Barber, HT; Diana R. Encinas; Reginald M. Manney, HT; Stephanie S. Petrow, HT; Robert Tagliafero, HT; Jeanie Wade, HT (ASCP)

Receive direct guidance and advice from experienced workshop volunteers to learn tips and refine techniques that will help you with cryostat use in the Mohs lab. We will also cover cryostat embedding and cutting techniques and maintenance.

These workshops are sold out and require a separate ticket for entry.

ABSTRACT WINNER

2014 Abstract Award Winner

Block Alignment in Cryotomy and False Positives

Kurt Hemmings

Montreal, Québec, Canada

Saturday, May 3, 2014

3:45 pm – 4:00 pm

Subject: Cryotomy and the inherent deficiencies in alignment of the block face to the blade.

Methods: Most of us think that our precision cryostats are perfectly aligned. We cut sections that are measured in microns so we presume the machine must be very precise, but it is not. All the literature in our field prompts us to embed our tissue parallel to the chuck but even when this is so we are still out of alignment. Deciding to look into the cryostats functioning I found the following. Measured with precision machinist gages to within 0.001 degrees.

Results: The knife holder is out of alignment by as much as 0.1584° this would on a 25mm sample result in a 69m loss of tissue. The coupling device on the object head pushes the chuck out of alignment by as much as 0.363° or a 158m loss of tissue. The ball detent that technicians rely on to re zero the object head is off by 1.322° , so a further 577m of loss. The screw that locks the X-Y adjustment of the object head can push things out another 50m.

Conclusions: If we were to compound these error to create the perfect storm we can loose 854m of tissue facing the block and at the very least with some angles canceling each other out we loose 300m. It should be noted that these angles are complex in that they are not in the same plane or axis and never completely cancel out. The risk of false positives is great and embedding parallel to the chuck is not the solution.



Improve your skills as a Mohs Tech Participate in the Mohs Tech Quality Assurance (MTQA) Training Initiative!

The MTQA Training Initiative is the only ACMS-approved program designed to help current Mohs technicians improve their skills and learn new techniques. By working one-on-one with an ACMS-approved MTQA trainer, your training will be tailored to provide troubleshooting tips in the areas that you would like to learn about most. Each training session is typically 1-2 days and is set up to be convenient with the trainer's and the trainee's schedule. Upon completion of your training, you may claim up to 12 CEUs through the National Society for Histotechnology and you will receive a completion certificate from ASMH. For more information on participating in this training program or becoming a MTQA trainer, visit www.mohstech.org or contact the ASMH office at (414) 918-9813 or info@mohstech.org.

THANK YOU

ASMH expresses sincere appreciation to all speakers, session participants, and workshop volunteers for their contribution to the meeting program:

SPEAKERS & PRESENTERS

*Marcie Bentley
Michael B. Colgan, MD
Kristin L. Cox, HT (ASCP)
Marcus L. Frohm, MD
Daniel H. Gong, MS
Erin Grimes, HT
Kurt Hemmings
Raymond Hucke, OT
Kenneth M. Klein, MD, FCAP
John de Leeuw, HT
Alex G. Lutz, BS
Juan-Carlos Martinez, MD
Robert L. Milewski, HT
Shari A. Ochoa, MD, MS
Guy E. Orchard, PhD, MSc, FIBMS
Anthony Rossi, MD
Robert Tagliaferro, HT
Valencia D. Thomas, MD
Jeanie Wade, HT (ASCP)*

WORKSHOP COORDINATORS

*Rodney K. Barber, HT
Diana R. Encinas
Reginald M. Manney, HT
Stephanie S. Petrow, HT
Sakina A. Sadiq, BS, HT, HTL, QIHC
Robert Tagliaferro, HT
Jeanie Wade, HT (ASCP)*

ASMH THANKS OUR SUPPORTERS

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