

NEUROPATHOLOGY NEWSLETTER  
THE AMERICAN ASSOCIATION OF NEUROPATHOLOGISTS  
VOLUME 24, NUMBER 1  
OCTOBER 2013

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**MARK YOUR CALENDERS!**

90<sup>TH</sup> ANNUAL MEETING  
12-15 June 2014  
THE NINES HOTEL  
Portland, Oregon

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**90<sup>TH</sup> ANNUAL MEETING**

The 90<sup>th</sup> Annual meeting of the American Association of Neuropathologists will be held June 12-15, 2014 in Portland, Oregon at The Nines Hotel. Group rate for hotel rooms is \$209.00 a night.

Additional information will be posted on the website [www.neuropath.org](http://www.neuropath.org) as it becomes available. Abstracts may be submitted online from December 3, 2013 to March 1, 2014.

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## AANP ORGANIZATION

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## OFFICERS

Anthony T. Yachnis, President  
Robert Hevner, Vice-President  
Thomas J. Montine, President Elect  
Maria Beatriz S. Lopes, Vice-President Elect  
Kathy Newell, VP for Professional Affairs  
Mark L. Cohen, Secretary-Treasurer  
R. Ross Reichard, Assistant Secretary-Treasurer

## EXECUTIVE COUNCIL

Daniel Brat, Steven A. Moore, Raymond A. Sobel, & Charles L. White, III

## ARCHIVIST

Michael N. Hart

## COMMITTEE CHAIRS

Awards – Marc Curtis  
Constitution – Aryn M. Rojiani  
Education – John Lee  
Membership – Cheryl Palmer  
Nominating – Charles L. White  
Professional Affairs – Kathy Newell  
Program – Edward B. Lee

## COUNCILORS TO THE INTERNATIONAL SOCIETY OF NEUROPATHOLOGY

E. Tessa Hedley-Whyte, Alexander Judkins, Arnulf H. Koeppen, Arie Perry, & George Perry

## OFFICIAL JOURNAL

*Journal of Neuropathology and Experimental Neurology*

Raymond A. Sobel, Editor  
Eileen S. Healy, Managing Editor  
Email: jnen@pathology.wisc.edu

## NEWSLETTER EDITORS

Peggy Harris & Mark L. Cohen

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## 89<sup>TH</sup> ANNUAL MEETING REVIEW

The 89<sup>th</sup> Annual Meeting was held in Charleston, South Carolina on June 20-23, 2013 at The Charleston Place Hotel.

### **SPECIAL COURSE**

The special course was divided into two portions: **Practical Issues and Challenging Diagnoses in Forensic Neuropathology** and **Update in Frontotemporal Lobar Degenerations** and was organized by Dr. Charles L. White, III and Dr. Elizabeth Cochran, with special assistance from Ross Reichard. Attendees were presented with a series of lectures covering issues relevant to Forensic Neuropathology and Frontotemporal Lobar Degeneration:

*The Neurometabolic Cascade of Traumatic Brain Injury, David Hovda, PhD; Biomechanics of Pediatric Traumatic Brain Injury, Susan S. Margulies, PhD; Common and contested Neuropathology of Pediatric Traumatic Brain Injury, R. Ross Reichard, MD; Traumatic Spine and Spinal Cord Injury, David Dolinak, MD; Legal Issues Related to Postmortem Neuropathological Examinations, Leslie C. Kamelhar, JD; Making the Diagnosis of Frontotemporal Lobar Degeneration, Eileen H. Bigio, MD; Network-Based Neurodegeneration: Evidence from Human Neuroimaging, Bill Seeley, MD; The Genetics of Frontotemporal Lobar Degeneration, Viviana Van Derrlin, MD, PhD; Molecular Mechanisms of Frontotemporal Lobar Degeneration, Eddie Lee, MD, PhD*

Evaluation data validated that this educational format was extremely successful at delivering up-to-date emerging topics in the area of neuropathology. In addition, ninety-five percent of us preferred including two focused topics for the Special Course rather than using the entire day for a single subject.

### **TRAINEE LUNCHEON**

The trainee luncheon was exceptionally well attended, attracting approximately 60 trainees, and provided a great opportunity for trainees to interact with established. Informal presentations by **Matthew Frosch, MD, Michael Lawlor, MD, PhD** and **Steven Dubner, MD** were followed by a “job fair”, allowing prospective employers and trainees to get to know each other.

## **PRESIDENTIAL SYMPOSIUM:**

### ***Seeing Differently: Digital and Quantitative Neuropathology***



The Presidential Symposium was extremely successful in delivering up-to-date, emerging topics in the area of digital and quantitative neuropathology, including the **Matthew T. Moore Lecture: *How does Alzheimer Disease Know Neuroanatomy?*** presented by **Bradley Hyman, MD, PhD**. Other presenters included **Liron Pantanowitz, MD**, *Current State of Whole Slide Imaging, Telepathology and Light Microscopic Image Analysis*; **Peter R. Mouton, PhD**, *Applications of Unbiased Stereology to Brain Pathology*; and **Charles L. White, III, MD** *Digital and Quantitative Neuropathology: History and Opportunities*. Competence in this area of neuropathology was objectively improved among learners as a result of this Presidential Symposium, and many participants indicated intentions of incorporating the education received into their current practices.

#### **ABSTRACTS**

Abstracts were published in the June 2013 issue of the *Journal of Neuropathology and Experimental Neurology*, and are available at the website <http://journals.lww.com/jneuropath>.

#### **DIAGNOSTIC SLIDE SESSION**

A total of 23 cases were submitted, with 10 chosen to be presented. Cases submitted included metabolic diseases, demyelinating diseases, tumors and tumor-like conditions. All 10 cases were presented by trainees and were considered for the **O.T. Bailey-Helena Riggs Award** in honor of the founding Moderator and Manager of the American Diagnostic Slide Session.



The award for the best case presented by a trainee went to **Gerald Reis** for his presentation of *Case 2013-9: Cerebromeningeal Hemophagocytic Lymphohistiocytosis*.

### **SAUL R. KOREY LECTURE**

The Saul R. Korey lecture was established by Dr. Robert D. Terry in honor of Dr. Saul R. Korey, the founder and first Chair of the Department of Neurology at Albert Einstein College of Medicine. Dr. Korey's vision of an interdisciplinary approach to the study of neurological diseases by basic and clinical scientists has inspired generations of colleagues and trainees.



This year **Harry Vinters, MD** presented *Gain and Pain from Cerebral Microvessels – Adventures in Vascular Neuropathology*.

## DEARMOND LECTURE



The DeArmond Lecture was established in honor of Stephen J. DeArmond's (left) outstanding leadership and organization of the 2006 International Congress of Neuropathology's scientific program. The DeArmond Lecture recognizes individuals making major advances in the field of aging and neurodegeneration. This year **Stanley Prusiner, MD** (right), presented *A Unifying Role for Prions in Neurodegenerative Diseases*.

## PARISI LECTURE



The Parisi Lecture was established with a grant from Teva Neurosciences, a subsidiary of Teva Pharmaceuticals, which is devoted to the study and development of products that address the needs of individuals in the field of neurology. The lecture was named the Parisi Lecture in honor of Dr. Joseph E. Parisi (left), an exemplary member of the Society. This year **Albee Messing, VMD, PhD** (right) presented *GFAP: Friend or Foe*.

## **MATTHEW T. MOORE LECTURE**

In 1988, Rachelle Fishman, a former patient of Dr. Moore, bequeathed funds to establish the Matthew T. Moore lectureship, which ultimately replaced the distinguished lectureship previously sponsored by the Association. To this day, the Matthew T. Moore lectureship honors a distinguished AANP member for exceptional contributions within the field of Neuropathology. This year **Bradley Hyman, MD, PhD** presented: *How does Alzheimer Disease Know Neuroanatomy?*

## **WHAT EVERY NEUROPATHOLOGIST NEEDS TO KNOW**

This year **Charles Eberhardt** (with a little help from David Ellison) told us what we all need to know about the molecular classification of medulloblastomas, and **Jeff Golden** took us through the history and nomenclatural challenges surrounding the diagnosis and classification of cortical dysplasia.

## **AWARDS**

### **Travel Awards**

The success of this program is a direct result of the contributions made by AANP members, and makes it possible for AANP to support our youngest and most promising constituents. The American Association of Neuropathologists presented six \$1000.00 travel awards to the following recipients: **Leonidis Arvanitis, Kevin F. Bieniek, Laura Cracco, Anne Hiniker, Naomi Kouri** and **Sriram Veneti**.

### **Moore Award**

The Moore Award for the Best Paper on Clinico-Pathological Correlation was awarded, to **Natacha Teissier** for *Neuropathological Hallmarks of CMV-Induced Brain Malformations in Human Fetuses*. Honorable mention was awarded to **Jennifer Cotter** for *Determination of a Protocol for Sampling of Neurosurgical Neoplasms*.

### **Lucien J. Rubinstein Award**

The Lucien J. Rubinstein Award for the Best Paper on Neuro-oncology was presented to **Cynthia Hawkins** for *Targeting DNA Damage Response Pathways to Overcome Alkylating Agent Resistance in Pediatric Glioblastoma*. Honorable mention was awarded to **Christian Davidson** for *Heterogeneity Dictates Therapeutic Response in Nf2-Mutant Schwann Cells*.

### **Weil Award**

The Weil Award for the Best Paper on Experimental Neuropathology was awarded to **Warren Tourtellotte** for *Egr3 is a Regulator of Muscle Spindle Stretch Receptor Morphogenesis and Innervation Homeostasis*.

### **Hirano Award**

The Hirano Award for the Best Paper on Neurodegenerative Diseases was awarded to **Brittany Dugger** for *Neuropathological Outcome of Prospectively Followed Normal Elderly Brain Bank Volunteers*.

## **Robert Terry Award**

The Robert Terry Award for the Best Paper on Neurodegenerative Diseases was awarded to **Richard Perrin** for *Quantitative Label-free Proteomics for Discovery of Biomarkers in CSF: Assessment of Technical and Inter-individual Variation*.

## **Awards for Meritorious Contributions to Neuropathology**

The Award for Meritorious Contributions to Neuropathology recognizes a member who has made significant contributions to the advancement of knowledge in neuropathology and provided outstanding service to the American Association of Neuropathologists. Each recipient of the award is nominated by the president in conjunction with the Nominating Committee and with the approval of the Executive Council. These qualities of outstanding scientific achievement and service are embodied in this year's recipients:



**Dawna Armstrong (left) and Reid Heffner (left)**

The complete program for the 89<sup>th</sup> Annual Meeting is available here:  
<http://www.neuropath.org/meetings/2013/ProgramComplete.pdf>.

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## **FUTURE AANP MEETINGS**

**2014:** Portland, Oregon at the Nines Hotel, June 12-15, 2014.

**2015:** Denver, Colorado.

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## **CME STATEMENT**

The American Association of Neuropathologists is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians and designated the following continuing medical education activities for credit hours in Category 1 of the Physician's Recognition Award of the American Medical Association.



<b>Activity</b>	<b>CME Credit Hours</b>
Special Course	7
Scientific Sessions	8
Korey Lecture	1
DeArmond Lecture	1
Parisi Lecture	1
Diagnostic Slide Session	3
Presidential Symposium	3.25
What Every Neuropathologist Needs to Know	1
<b>Total</b>	<b>25.25</b>

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## 2014 AANP Meeting Preview 12-15 June 2014

Pursuant to the overwhelmingly positive response to the two-part Special Course pioneered by Chuck White and Liz Cochran, President Tony Yachnis and VP Bob Hevner will also present the 2014 Special Course in two parts. The morning sessions will be devoted to ***Cerebral Malformations and Neoplasia Linked to Aberrant PI3K-AKT-mTOR Signaling***, and will include talks elucidating PTEN, AKT, and TSC related diseases. Speakers for this session will include Tony on Lhermitte-Duclos and Bob on PTEN in Autism, as well as Harry Vinters on Tuberous Sclerosis and Eleonora Aronica on cortical dysplasia. The afternoon session will be an ***Update on Pediatric Brain Tumors***, presented by the power trio of Eberhardt (medulloblastomas), Tihan (gliomas), and Judkins (ATRT & related syndromes).

The Korey Lecture will be given by President-Elect Tom Montine, and will consist of an **update on the 2012 NIA-AA Alzheimer Disease Diagnostic Criteria**.

The Presidential Symposium will focus on state-of-the art tumor diagnosis. Dan Brat will kick-off with ***Low Grade Gliomas: The TCGA Findings***.

The remaining lectures and lecturers will be included in the winter (January 2014) newsletter. *Stay tuned!*

## Call for Diagnostic Slide Cases

Caterina Giannini, Moderator

Rebecca D. Folkerth, Manager

The popular Diagnostic Slide Session, moderated by Dr. Caterina Giannini, will be held on Saturday June 14, 2014 at 8:00 pm. Members who have cases they would like to have considered for inclusion should contact:

Caterina Giannini  
Pathology Department  
200 First Street SW  
Mayo Clinic  
Rochester, MN 55905  
Phone: 507-538-1181  
[Giannini.Caterina@Mayo.edu](mailto:Giannini.Caterina@Mayo.edu)

Please provide a brief clinical summary and the key diagnostic points, e-mailed as a short PowerPoint or word document. A single representative H&E-stained slide should be sent by mail and if chosen for presentation contributors should be able to provide 150 slides from large specimens. Small biopsies of interesting entities are also welcome for consideration and will be posted using virtual microscopy. **The deadline for consideration is February 1<sup>st</sup>, 2014.** Contributors will be notified of the decision by February 28<sup>th</sup>.

If selected for presentation, contributors should submit all slides having studies necessary for diagnosis indicating which ones should be made available for whole slide imaging before the session and which, by virtue of giving away the diagnosis, should be posted after the meeting. Whole slide images will be posted to the DSS web site along with the protocol.

A limited number of glass slide sets of the cases to be presented will be sold on a first-come first serve basis, limited to one per person. The protocols will be posted online and the slides sent from Minnesota in early May. Members are strongly encouraged to purchase sets using the 2014 meeting registration form at [www.neuropath.org](http://www.neuropath.org). Members may also send a check to the address below for \$60.00 made payable to "Diagnostic Slide Session" \*. As this method runs parallel to the automatically updated registration database, we cannot guarantee fulfillment of requests made by check.

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\* Foreign checks, including Canadian, must be issued through an American Bank with a proper routing number. If payment is made by an institutional check, please make certain that the recipient's name is listed on the check or the accompanying paperwork.

[Answers and Powerpoints from last year's DSS are available on the AANP web site as is our virtual library of DSS cases with whole slide images back to 1959!!](#)

## Call for Abstracts

We will begin soliciting abstract submissions for the 2014 meeting on December 3, 2013. We are allowing three first author submissions per member. Abstracts must be submitted electronically. The meeting link will take you to the instruction page – please follow the directions carefully. Authors will be sent an email to verify receipt of abstracts. Notification of acceptance and programming decisions regarding the abstracts will also be sent via email. If you have any questions please contact the Program Chair, Dr. Eddie Lee:

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University of Pennsylvania  
715 Clinical Research Building  
415 Curie Boulevard  
Philadelphia, PA 19104  
Email: [AANPAAbstracts@gmail.com](mailto:AANPAAbstracts@gmail.com)

**Abstract Deadline: March 1, 2013 at 11:59 PM EST.**

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## ANNOUNCEMENTS

### **Print edition of *Journal of Neuropathology and Experimental Neurology***

Please note that for 2014 the *Journal of Neuropathology and Experimental Neurology* will be electronic only. If you wish to receive a **print edition** there will be a **\$50.00** charge in addition to your membership dues.

Please contact Peggy Harris regarding any questions you may have about your membership status or if you are having difficulty accessing the journal. As the chair of the membership committee, Dr. Cheryl Palmer handles only applications for membership and membership status changes. Peggy will be able to help you in most instances.

### **SAM modules**

To access the self assessment modules, you must create an account and use it to log in and obtain SAM credit. Your journal login and password will not work.

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## NEW MEMBERS/STATUS CHANGES

### **Active Members**

Ahn, Misol  
Alturkustani, Murad  
Burton, Stephanie Shawn  
Fortna, Ryan R  
Gonzalez-Cuyar, Luis Francisc  
Grinberg, Lea Tenenholz  
Hoyt, John W  
Jicha, Gregory A  
Mohila, Carrie Ann  
Neder, Luciano  
Oblak, Adrian Lynn  
Piao, Zhe  
Van Landeghem, Frank Karel

### **Affiliate to Active Status**

Raghunathan, Aditya  
Venneti, Sriram

### **Affiliate Members**

Almira-Suarez, Maria Isabel  
Bit-Ivan, Esther Noni  
Chiang, Jason  
Goolsby, Mary Elizabeth  
Malafrente, Patrick James  
Mathew, Anna John  
McGuone, Declan  
Mordes, Daniel Adam  
Nguyen, Lananh  
Peterson, Jo Elle  
Wagner, Aaron

### **Senior Members**

Bilbao, Juan  
Cornford, Marcia  
Heffner, Reid  
Jortner, Bernie  
Marquardt, Merlin  
Nelson, James  
Struble, Robert  
Whetsell, William  
Wiens, Andrea  
Zherebitskiy, Viktor