

NEUROPATHOLOGY NEWSLETTER

The American Association of Neuropathologists

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August 2009

MARK YOUR CALENDERS!

LOEWS PHILADELPHIA HOTEL

86TH ANNUAL MEETING

10-13 JUNE 2010

86th ANNUAL MEETING

The 86th Annual meeting of the American Association of Neuropathologists will be held in Philadelphia, Pennsylvania at the Loews Philadelphia Hotel, June 10-13 2010. Philadelphia was chosen as the site of this year's meeting in honor of the 50th anniversary of the incorporation of the association in Philadelphia. Please be sure to attend and celebrate the history of our organization.

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AANP ORGANIZATION

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Program – Aryn M. Rojiani

COUNCILORS TO THE INTERNATIONAL SOCIETY OF NEUROPATHOLOGY

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OFFICIAL JOURNAL

Journal of Neuropathology and Experimental Neurology
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C. Harker Rhodes
Peggy Harris

85TH ANNUAL MEETING OVERVIEW

The 85th Annual Meeting was held in San Antonio on 11-14 June 2009 at the Crowne Plaza Riverwalk Hotel.

SPECIAL COURSE

The special course titled **Recent Advances That Impact Research and Clinical Practice** was organized by Dr. Aryn M. Rojiani and Dr. George Perry. Attendees were presented with a variety of current topics and concerns in the field of Neuropathology.

The session included the following lectures:

Putting the “P” Back in Pathology, **Jared N. Schwartz, MD, PhD, FCAP**; *The Role of Pathologists in the Era of Personalized Medicine*, **Eric E. Walk, MD**; *Neuroimaging and Pathology in the Era of Systems Diagnostics: Opportunities and Challenges*, **King Li, MD, FRCP (C) MBA**; *Digitization of Pathology – No More Glass Slides at your Microscope*, **Anthony Demetris, MD**; *Training Future Neuropathologists: Where Are We Now- And Where May We Be Going?*, **Suzanne Z. Powell, MD**; *Clinical and Research Directions for Muscle Biopsies: A Few Things New, A Few Things Old*, **Steven A. Moore, MD, PhD**; *Ophthalmic Pathology: A Look Through the Window to the World*, **Thomas J. Cummings, MD**; and *Ophthalmic Pathology: When the Phone Rings*, **J. Douglas Cameron, MD, MBA**.

TRAINEE LUNCHEON

The trainee luncheon was exceptionally well attended, 65 trainees attended lectures by **Dennis Dickson, MD**, *Research Careers – Opportunities and Challenges*; **Daniel J. Brat, MD, PhD**, *The “Triple Threat” Career-Research /Clinical Service/Teaching* and **Gary Pearl, MD, PhD**, *AP/CP/Neuropath/Private Practice*. These lectures were aimed at the opportunities open for trainees and were well received.

PRESIDENTIAL SYMPOSIUM

Oxidative Stress in Neurodegenerative Diseases

The Presidential Symposium included the **Matthew T. Moore Lecture** given by **Donald W. Cleveland, MD**, *From Charcot to Lou Gehrig: Mechanisms and Treatment of ALS*. Other presenters included, **George Perry, PhD**, *Welcome and Opening Remarks*, **Flint Beal, MD** *Bioenergetics in the Pathogenesis of Neurodegenerative Diseases*; **Thomas J. Montine, MD, PhD**, *Free Radical Damage as a Therapeutic Target in Alzheimer’s Disease*; **Colin Masters, MD**, *Abeta Amyloid Oligomers as Therapeutic and Diagnostic Targets for Alzheimer’s Disease*; and **Mark A. Smith, PhD**, *Causes and Consequences of Oxidative Damage in Alzheimer’s Disease*.

ABSTRACTS

Abstracts were published in the May 2009 issue of the *Journal of Neuropathology and Experimental Neurology*, are available at the website <http://journals.lww.com/jneuropath/pages/default.aspx>.

DIAGNOSTIC SLIDE SESSIONS

Ten cases were presented to a packed audience as always, with many trainees presenting cases. The **O.T. Bailey-Helena Riggs Award** in honor of the founding Moderator and Manager of the American Diagnostic Slide Session was presented to **Craig Horbinski** for the best case presented by a trainee, case 2009-6.

THE 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 **Stephen J. DeArmond, MD, PhD** presented the lecture *Mechanisms of Neurodegeneration in Prion Diseases Originating from the Neuronal Plasma Membrane*. Dr. DeArmond gave an outstanding talk, providing an overview of the field with an emphasis on many of his seminal studies.

THE DEARMOND LECTURE

The DeArmond Lecture was established in honor of Stephen J. DeArmond's outstanding leadership and organization of the 2006 International Congress of Neuropathology's scientific program. The DeArmond Lecture was established to honor individuals making major advances in the field of neurodegeneration and aging.

This year **Rudy Tanzi, MD**, presented *Decoding Alzheimer's Disease Gene by Gene*.

THE TEVA NEUROSCIENCE/ PARISI LECTURE

The Teva Neuroscience/Parisi Lecture was established with an endowment 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 Teva Neuroscience/Parisi Lecture in honor of Dr. Joseph E. Parisi, an exceptional member of the Society.

This year **Hans Lassman, MD** presented *Inflammation Induced Mitochondrial Injury: A Major Mechanism of Neurodegeneration*.

AWARDS

Travel Awards

The American Association of Neuropathologists presented six \$1000.00 travel awards., The Davis Travel Awards, in honor of Richard Davis, MD, were presented to the following recipients: **Justin Kreuter, MD, Julia Kofler, MD and Matija Snuderl, MD**. The remaining three travel awards were presented to **Patrick Joseph Cimino, BS, Stephen Yip, MD, PhD** and **Sriram Veneti MD, PhD**.

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.

Moore Award

Two Moore Awards for the Best Paper on Clinico-Pathological Correlation were awarded, one to **Mirna Lechpammer** for *Embolic Foreign Material in the Central Nervous System of Children Dying with Heart Disease and a History of Instrumentation* and the other to **Rupal Mehta** for *Intravascular Polymer Material Following Interventional Procedures* as both were worthy of the award. Honorable mention went to **Ann McKee** for *Chronic Traumatic Encephalopathy in Professional Football Players*.

Lucien J. Rubinstein Award

The Lucien J. Rubinstein Award for the Best Paper on Neuro-oncology was presented to **Matija Snuderl** for *Polysomy For Chromosomes 1 and 19 Predicts Earlier Recurrence in Anaplastic Oligodendrogliomas with Concurrent 1p/19q Loss*. Two honorable mentions were awarded, one to **David Ellison** for *Activation of the MAPK Pathway: A Signature Genetic Defect in Posterior Fossa Pilocytic Astrocytomas* and the other to **Cynthia Hawkins** for *Genetic Analysis of Pediatric Diffuse Intrinsic Pontine Gliomas by High-Resolution Single Nucleotide Polymorphism Arrays*.

Weil Award

The Weil Award for the Best Paper on Experimental Neuropathology was awarded to **Jason Huse** for *The PTEN-Regulating MicroRNA miR-26a is Amplified in High-Grade Glioma and Facilitates Gliomagenesis in Vivo*. Two honorable mentions were awarded, one to **Jen Palmer** for *Endothelin-Converting Enzyme-2 is Elevated in Alzheimer's Disease and Upregulated by A β* and the other to **Guiseppe Di Fede** for *A Recessive Mutation in the APP Gene with Dominant-Negative Effect on Amyloidogenesis: A New Perspective for AD Therapeutics*.

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 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,

Dr. Peter C. Burger is Professor of Pathology, Oncology, and Neurosurgery at the Johns Hopkins University School of Medicine; **Dr. Pierluigi Gambetti** is a Professor at Case Western Reserve University and head of the National Prion Disease Pathology Surveillance Center and **Dr. Nicholas Gonatas** is Professor of Pathology at the University of Pennsylvania and was the Director of the Division of Neuropathology.

View <http://www.neuropath.org/meetings/2009/ProgramComplete.pdf>, for the complete program.

FUTURE AANP MEETINGS

2010 Will be held at Loews Philadelphia Hotel in Philadelphia, Pennsylvania, 10-13 June 2010.

2010 XVII International Congress of Neuropathology, Salzburg, Austria
11-15 September 2010.
Visit www.icn2010.org for more details.

2011 Will be held at the Sheraton in Seattle, Washington; exact dates are in negotiations at this time.

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.

2008 Meeting	Credits
Special Course	7
Saul Korey Lecture	1
DeArmond Lecture	1
Teva/Parisi Lecture	1
Scientific Sessions	9
Presidential Symposium	3
AANP DSS Session	3
Total	25

DR GAMBETTI, CLARIFICATION ON THE NATIONAL PRION DISEASE PATHOLOGY SURVEILLANCE CENTER (NPDPS):

After Dr. Gambetti's presentation at the Saturday Business Meeting in San Antonio, he realized that the intent of some of the questions asked was probably to seek clarification of the role of the NPDPS in assessing the epidemiology of prion diseases in the US and that his answers did not clarify this issue.

The main task of the NPDPS, as established by the Centers for Disease Control and Prevention (CDC) and approved by the US Congress, is to perform as many diagnostic tissue examinations as possible on cases of suspected prion diseases and to provide a detailed diagnosis in each case. On these grounds the CDC requested that the word "pathology" be part of our surveillance center name.

The demographic, clinical and histopathologic data that our Center collects for each case are then transferred to the CDC and to the Department of Health (DOH) of each individual State for possible epidemiologic analyses. The NPDPS does not prospectively ascertain all the information that may possibly be needed in epidemiologic investigations, such as the County in which the disease first became symptomatic. However, the data obtained at the time of tissue examination are sufficient for uncovering this, as well as all other information, that may be needed. This system has successfully served the investigations of several "clusters," such as the alleged cluster of the New Jersey Garden State Racetrack, which have been collaboratively carried out by the CDC, the State DOHs and the NPDPS.

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PRELIMINARY PROGRAM

Special Course:

This year the special course will focus on *Hereditary Tumor Syndromes of the Nervous System: Clinical, Pathological and Biological Updates*. Presenters include Elizabeth Henske, Brigham and Women's Hospital; Harry Vinters, UCLA; Anat Stemmer-Rachamimov and David N. Louis, Massachusetts General Hospital; David Guttman, Washington University; Bernd Scheithauer, Mayo Clinic; Arie Perry, Washington University; Alex Judkins, Children's Hospital of Philadelphia; and William Kaelin, Dana-Farber Cancer Center. The course will provide a broad overview of the latest understanding of these fascinating and diverse syndromes. The topics will be of interest to most neuropathologists, since they will touch on clinical, pathological and biological aspects of both the neoplastic and developmental components of these syndromes.

Presidential Symposium:

The Presidential Symposium titled "*Big Science*" and *the Transition to Personalized Medicine: How Can Neuropathologists Play Roles in Large-Scale Clinical, Translational and Basic Research?* will include presentations from David Louis, Massachusetts General Hospital; Ken Aldape, MD Anderson; Scott Vandenberg, UCSF and Mark Gilbert, MD Anderson. The symposium aims to update neuropathologists on several important and potentially transformative large-scale projects, and highlight the potential key roles that neuropathologists can play in them.

Historical Mini-Symposium:

In recognition of the 50th anniversary of the incorporation of the AANP, an historical mini-symposium is planned. Although still in the planning process, lecturers to date include Michael Hart, University of Wisconsin, Arthur Asbury, University of Pennsylvania; and David Louis, Massachusetts General Hospital.

Saul Korey Lecture:

The Saul Korey Lecture will be presented by **Peter C. Burger, MD**, Johns Hopkins University

DeArmond Lecture:

The DeArmond Lecture will be presented by **Todd Golde, MD**, Mayo Clinic, Florida

Parisi/TEVA Lecture:

The Teva Neuroscience/Parisi Lecture will be presented by **Joseph Dalmau**, University of Pennsylvania

Moore Lecture:

The Moore Lecture will be presented by **Mark Gilbert**, MD Anderson Cancer Center.

General Information:

Information regarding Abstract submission, registration and hotel accommodations will be made available when finalized. Additional information will be posted on the website as it becomes available, www.neuropath.org.

OTHER MEETINGS

II International Pathology Meeting - Along the Way to Santiago will be held in Portugal and Spain on May 21-28, 2010. Course Directors are Dr. Juan Rosai, Dr. Jerónimo Forteza and Dr. Manuel Sobrinho-Simoes, visit www.waytosantiago-pathologymeeting.com for further information.

ANNOUNCEMENTS

On behalf of the Corsellis brain bank, held by the West London Mental Health Trust, UK:

We are interested in receiving tissue requests. Our brain bank has been collecting cases for 50 years, and has a total of 8600 brains and sections from various disorders and control cases. A brief summary of some of the disorders we hold is listed below.

Our database for each case contains sex and age at death, date of death and autopsy, the PM delay (where known), the tissue and records held, the main and additional diagnoses, concurrent disorders and causes of death. The diagnosis codes are based on ICD-10 criteria. We hold, for the majority of cases, paraffin-embedded blocks, histologically stained slides and wet tissue held in 10% formalin (4% formaldehyde v/v).

Also we hold extensive medical and neuropsychiatric records, autopsy and neuropathology reports, with additional pre-fixated photographs and x-rays of intact brains prior to dissection. Tissue is processed in the Neuropathology Unit of Imperial College London, Division of Neurosciences and Mental Health, UK.

In order to supply tissue require a copy of the abstract and approximate experimental design, and also a copy of the ethics approval for the study. However we can review, dissect, process and section tissue without this. Also we are operating a cost-recovery scheme, whereas our costs for the processing of tissue will be expected to be met.

We are happy to answer informal queries, or address formal requests. For details please email Dr. Matthew Williams at the address below.

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NEW MEMBERS/ STATUS CHANGES

ACTIVE MEMBERS

Homa Adle-Biassette

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Pavan Auluck

Jennifer Baccon

Thomas Bourne

Peter Cummings

Steven Dexler

Yakov Fellig

Mary Fowkes

Jason Thomas Huse

Thomas Jacques

Michael Lawlor

Norman Lehman

Jenny Libien*
Carolyn Revercomb
Andreana Rivera
Fausto Rodriguez*
Ali Saad
Renpei Sengojku
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Robert Myers**
Anselmo Pineda**
James Powers**
Cedric Raine**
Chinnamma Thomas**
William Whetsell**
Allen Yates**

*From Affiliate to Active

** From Active to Senior
