

PROGRAM

**AMERICAN
ASSOCIATION OF
NEUROPATHOLOGISTS**

Eighty-Fourth Annual Meeting

**In conjunction with the American
Society for Investigative Pathology**

4-7 April 2008

SAN DIEGO, CALIFORNIA

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AMERICAN ASSOCIATION OF NEUROPATHOLOGISTS

OFFICERS

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 Christine M. Hulette, MD, Durham, NC - Vice – President
 George Perry, PhD, San Antonio, TX – President Elect
 Aryn M. Rojiani, MD, PhD, Tampa, FL – Vice President Elect
 Tarik Tihan, MD, PhD, San Francisco, CA- VP of Professional Affairs
 George Perry, PhD, San Antonio, TX – Secretary-Treasurer
 C. Harker Rhodes, MD, PhD, Lebanon, NH – Asst. Sect.-Treasurer

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 Bette K. DeMasters, MD, Denver, CO
 Suzane Z. Powell, MD, Houston, TX
 Raymond A. Sobel, MD, Stanford, CA
 Roger E. McLendon, MD, Durham, NC
 Harry V. Vinters, MD, Los Angeles, CA

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Ronald L. Hamilton, MD, Pittsburgh, PA – Awards Committee
 Stephen S. Chin, MD, PhD, Salt Lake City, UT – Constitution Committee
 Elizabeth J. Cochran, MD, Chicago, IL – Membership Committee
 Barbara J. Crain, MD, PhD, Baltimore, MD – Nominating Committee
 Robert E. Mrak, MD, Toledo, OH – Program Committee
 Tarik Tihan, MD, PhD, San Francisco, CA – Professional Affairs

AANP DIAGNOSTIC SLIDE SESSION

Anthony T. Yachnis, MD, Gainesville, FL
 Leroy R. Sharer, MD, Manager, Newark, NJ

OFFICIAL JOURNAL

Journal of Neuropathology and Experimental Neurology
 Raymond A. Sobel, MD, Stanford, CA
 Eileen S. Healy, Managing Editor, Madison, WI

ARCHIVIST

Richard L. Davis, Hillsborough, CA

AANP INTERNATIONAL SOCIETY OF NEUROPATHOLOGY COUNCILORS

Thomas W. Bouldin, Chapel Hill, NC
 Joseph E. Parisi, Rochester, MN
 Anthony T. Yachnis, Gainesville, FL
 Clayton A. Wiley, Pittsburgh, PA

GENERAL INFORMATION

Headquarters Hotel: San Diego Marriott Hotel & Marina
333 West Harbor Drive
San Diego, California 92101

Phone: 1-619-234-1500
Fax: 1-619-234-8678

San Diego Convention Center:
111 W. Harbor Drive
San Diego, California 92101

ALL MEETING SESSIONS WILL BE HELD IN EITHER THE SAN DIEGO MARRIOTT HOTEL AND MARINA OR THE SAN DIEGO CONVENTION CENTER.

MICROSCOPE VIEWING ROOM

Microscopes will be available in the **Green Room** of the Marriott.

Location	Green Room	
Time	Friday, 4 April	7:30 am - 5:30 pm
	Saturday, 5 April	7:30 am - 5:30 pm
	Sunday, 6 April	7:30 am – 12:00 pm

BUSINESS MEETING

DATE TIME	LOCATION
Friday, 4 April 2008 5:30-6:30 pm	Marriott Hall 5, North Tower

SPECIAL MEETINGS BY INVITATION ONLY

Date	Meeting	Time/Location
Thursday 3 April	AANP Executive Council	6:00 pm – 11:30 pm Del Mar, South Tower San Diego Marriott
Saturday 5 April	Neuropathology Trainee Lunch	12:00 pm – 2:00 pm Cardiff Room San Diego Marriott
	AANP Professional Affairs	6:00 pm – 8:00 pm Laguna Room San Diego Marriott
	Awards Committee	6:00 pm – 8:00 pm Boardroom San Diego Marriott
	Presidential/JNEN Reception	6:00 pm -8:00 pm Torrey 3 San Diego Marriott
Sunday 6 April	Charter Members of DSS Meeting	7:00 am – 8:00 am Boardroom San Diego Marriott
	Awards Committee	5:30 pm – 7:30 pm Boardroom San Diego Marriott

DISCLOSURE/CONFLICT OF INTEREST

Disclosures (if any) are the responsibility of **all** platform and poster presenters. Conflicts of interest must be duly noted during the platform presentation or displayed on the poster.

CME Credits

The American Association of Neuropathologists is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians. The meeting is approved for credit under Category 1 of the Physician's Recognition Award of the American Medical Association on an hour-to-hour basis of attendance.

The AANP certifies the *Special Courses*, the *Scientific Sessions*, *Presidential Symposium*, *Korey Lecture*, *Teva Neuroscience/ Parisi Lecture*, *DeArmond Lecture* and the *AANP Diagnostic Slide Sessions* as continuing medical education activities that meet the criteria for 7, 9, 3, 1, 1, 1, and 3 credit hours, respectively, in Category 1 of the Physician's Recognition Award of the American Medical Association.

Activity	CME CREDITS
Special Courses	7
Scientific Sessions	9
Presidential Symposium	3
Korey Lecture	1
Teva Neuroscience/ Parisi Lecture	1
DeArmond Lecture	1
Diagnostic Slide Session	3
Total	25

Attendees should claim credit only for those activities attended. The official record of attendance form can be obtained at the business meeting or by request. Please fill in the number of hours attended, sign, and keep this form as your record of your attendance.

RECEPTION

The Welcoming Social will start at 6:30 pm on Friday, 4 April, 2008 in Marriott Hall 6, North Tower of the San Diego Marriott Hotel & Marina. A cash bar will be available and hors d'oeuvres will be served.

Location	Marriott Hall 6, North Tower, San Diego Marriott	
	Friday, 4 April, 2008	6:30 pm – 8:30 pm

MEETING AT A GLANCE

SPECIAL COURSE

Location	Marriott Hall 4, North Tower, San Diego Marriott Hotel	
Date/Time	Friday, 4 April 2008	8:00 am – 5:15 pm
	Molecular Embryology To Malformations <i>Organizers: Robert Hevner, and Jeffrey A. Golden</i>	

WELCOMING SOCIAL

Location	Marriott Hall 6, North Tower, Marriott Hotel	
Date/Time	Friday, 4 April, 2008	6:30 pm – 8:30 pm

SCIENTIFIC SESSIONS (MINISYMPOSIUM)

Location	San Diego Convention Center, Room 17A and 17 B	
Date/Time	Saturday, 5 April 2008	2:00 pm – 5:00 pm
	Sunday, 6 April 2008	9:00 am – 12:00 pm
		2:00 pm - 5:00 pm

POSTER PRESENTATIONS

Location	San Diego Convention Center	
Date/Time	Sunday, 6 April 2008	7:30 am - 6:00 pm

AANP PRESIDENTIAL SYMPOSIUM

Location	San Diego Convention Center, Room 16A	
Date/Time	Saturday, 5 April 2008	8:30 am – 11:30 am
	<i>Neurogenetics and Developmental Disorders</i>	

DIAGNOSTIC SLIDE SESSION

Location	Marriott Hall 4, North Tower, San Diego Marriott Hotel	
Date/Time	Saturday, 5 April 2008	8:00 pm -10:00 pm

SPECIAL LECTURES

Lecture	Matthew T. Moore Lecture, Convention Center, 16A	
Date/Time	Saturday, 5 April 2008	8:30 am
	DeArmond Lecture, Convention Center, 16A	
	Saturday, 5 April 2008	11:30 am
	Teva Neuroscience/ Parisi Lecture, 17A	
	Sunday, 6 April 2008	8:00 am
	Saul Korey Lecture, Convention Center, 17A	
	Monday, 7 April 2008	8 :30 am

SCIENTIFIC SESSIONS

Saturday, April 5 2008, 2:00 pm – 5:00 pm	
Convention Center 17 A	Convention Center 17B
Dementia I: Frontotemporal/Lewy Body/Parkinson	Pediatric, Muscle and Infections
Sunday, 6 April 2008, 8:30 am – 11:30 am	
Dementia III: Alzheimer's Disease	No session
Sunday 6 April 2008, 2:00 pm – 5:00 pm	
Dementia II: Others	CNS Tumors

POSTERS

Location	SAN DIEGO CONVENTION CENTER	
Sunday 6 April 2008	CNS Tumors	
	Dementia	
	Neuropathology: Other	

Friday, 4 April 2008
San Diego Marriott Hotel
8:00 am -8:30 pm

SPECIAL COURSE: Molecular Embryology to Malformations
Organizers: Robert Hevner and Jeffrey A. Golden

Marriott Hall 4, North Tower, San Diego Marriott Hotel

8:00 am	Introduction <i>Robert Hevner and Jeffrey A. Golden</i>
8:10 am	Understanding and Preventing Neural Tube Defects <i>Andrew Copp, PhD</i> <i>Institute of Child Health, Univ College London</i>
9:00 am	Clinico-Pathologic Correlations in Dysraphic States: A Story from Nose to Tail <i>Brian Harding, PhD</i> <i>Great Ormond Street Children's Hosp.</i>
9:50 am	Break
10:20 am	Building The Cerebellum: Insights from Model Organisms <i>Kathleen Millen, PhD</i> <i>University of Chicago</i>
11:10 am	Pathology of the Developing Human Cerebellum <i>Alexander Judkins, MD</i> <i>Children's Hosp. of Philadelphia/UPenn</i>

Lunch Break 12:00 pm -1:15 pm

Marriott Hall 4, North Tower, San Diego Marriott Hotel

1:15 pm	The Molecular Genetics of Motor Neuron Axon Guidance <i>Samuel Pfaff, PhD</i> <i>UCSD, Salk Institute.</i>
2:05 pm	Axon Guidance Disorders in the Human Brain <i>Robert Hevner, MD, PhD</i> <i>Univ of Washington</i>
2:55 pm	Break
3:25 pm	Embryonic Mechanisms That Pattern The Cerebral Cortex <i>Elizabeth Grove, PhD</i> <i>University of Chicago</i>
4:15 pm	Pathology of the Developing Forebrain <i>Ed Monuki, MD, PhD</i> <i>UC Irvine</i>
5:05 pm	Concluding Remarks <i>Robert Hevner and Jeffrey A. Golden</i>

Business Meeting 5:30 pm – 6:30 pm
Marriott Hall 5, North Tower
San Diego Marriott Hotel

Welcoming Social 6:30 pm – 8:30 pm
Marriott Hall 6, North Tower
San Diego Marriott Hotel

Saturday, 5 April 2008
San Diego Convention Center - Room 16A
8:30 am – 2:00 pm

PRESIDENTIAL SYMPOSIUM – ROOM 16A

8:30 am	Matthew T. Moore Lecture Trafficking Trophic Signals to Prevent Neurodegeneration <i>William Mobley, MD, PhD</i> <i>Stanford University</i>
9:30 am	Midbrain-Hindbrain Malformations: The Expanding Clinical and Genetic Spectrum of Joubert Syndrome and Related Disorders <i>Joe Gleeson, MD</i> <i>University of California, San Diego</i>
10:30 am	Molecular Mechanisms of Cell Migration Disorders <i>Jeffrey A. Golden, MD</i> <i>Children's Hosp. of Philadelphia/UPenn</i>

DEARMOND LECTURE: ROOM 16A

11:30 am	TDP-43, A New Class of Proteinopathies in Neurodegenerative Diseases <i>Virginia Lee, PhD</i> <i>Univ. of Pennsylvania School of Medicine</i>
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12:30 pm – 2:00 pm Lunch Break

Saturday, 5 April 2008
 San Diego Convention Center - Room 17A
 2:00 pm – 5:00 pm

SCIENTIFIC SESSION (MINISYMPOSIUM)

Dementia I: Frontotemporal/Lewy Body/Parkinson – Room 17A

2:00 pm	Ubiquitin and TDP-43 immunohistochemistry: How Many Types of Frontotemporal Lobar Degeneration? <i>Spina, S., Murrell, JR., Ghetti, B.</i>
2:15 pm	An Extended Analysis of the Histological Variants of Tau-Negative FTLD <i>Josephs, KA., Stroh, A., Amador-Ortiz, C., Graff-Radford N., Dickson, DW.</i>
2:30 pm	Autosomal Dominant Subcortical Gliosis Presenting as Frontotemporal Dementia: Clinical and Histopathological Descriptions <i>Miller, BB., Lopes, B., Wooten, F., Damgaard, P., Manning, C., Brashear HR, Swerdlow, R.</i>
2:45 pm	Frontotemporal Dementia Associated with a Valosin-Containing Protein Mutation Report of Three Families <i>Spina, S. Van Laar, AD., Murrell, JR., de Courten-Myers, G., Hamilton, RL., Farlow MR., Quinlan J., DeKosky, ST., Ghetti, B.</i>
3:00 pm	Establishment of a Stable Progranulin Deficient Cell Line: A Model of Frontotemporal Dementia with Ubiquitin-Positive Inclusions <i>Mao, Q., Hatanpaa, KJ., Sontag E., Hladik CL., Xia, H., White III, CL.</i>
3:15 pm	TDP-43 Neuronal Cytoplasmic Inclusions in the Amygdala of Patients with Advanced Alzheimer Disease <i>Hu, WT., Parisi, JE., Josephs, KA., Dickson, DW.</i>
3:30 pm	An Alternative <i>in vitro</i> Model of Neurodegeneration in FTLD-U with PGRN Mutation <i>Gitcho, M., Mukherjee, O., Wang, J., Chakraverty, S., Strider J., Norton, J., Goate A., Cairns, NJ.</i>
3:45 pm	High Specificity and Sensitivity of Olfactory Bulb Synucleinopathy for Lewy Body Disorders <i>Beach, TG., White CL., Hladik, C., Sabbagh, MN., Connor, DJ., Caviness, JN., Sue, LI., Sasse J., Bachalakuri, J., Akiyama, H., Adler, CH.</i>
4:00 pm	Expression of Alpha-Synuclein (AS) in Autonomic Neurons is Increased in Parkinson's Disease (PD) <i>Munoz, DG., and Gold, A.</i>
4:15 pm	Alpha-Synucleinopathy is Associated with Spinocerebellar Ataxia Type 2 with Parkinsonism <i>Takao, M., Sakiyama, Y., Saito, Y., Aoyama, M., Shiroyama, H., Kurisaki, H., Ishikawa, K., Tsuchiya, K., Mihara, B., Murayama S.</i>
4:30 pm	TGF β -HIPK2 Signaling Pathway in the Survival of Dopamine Neurons During Toxin-Induced Degeneration <i>Zhang, J. and Huang, EJ.</i>
4:45 pm	Immunoelectron Microscopy of TDP-43 in Frontotemporal Lobar Degeneration, Amyotrophic Lateral Sclerosis and Lewy Body Disease <i>Lin, W. and Dickson, DW.</i>

Saturday, 5 April 2008
San Diego Convention Center - Room 17B
2:00 pm – 5:00 pm

SCIENTIFIC SESSION (MINISYMPOSIUM)

Neuropathology: Pediatric, Muscle, and Infections – Room 17B

2:00 pm	Sympathetic Dysautonomia Despite the Absence of Sympathetic Neuron Loss in Egr3-Deficient Mice <i>Tourtellotte, WG., Honasoge, A., Eldredge-Tudor, L.</i>
2:15 pm	CD133 RNA Expression Marks a Rare and Widely Distributed Cell Population in the Adult Mouse Brain <i>Olausson, EH., Learner, E., Ligon, KL.</i>
2:30 pm	Neuropathological Phenotype of a New Type of Lissencephaly Associated with Mutations of TUBA1A <i>Fallet-Bianco, C., Loeuillet, L., Loget, P., Chapon, F., Poirier, K., Chelly, J., Francis, F.</i>
2:45 pm	Congenital Aqueductal Stenosis Due to Downregulation of a Dorsalizing Gene <i>Sarnat, HB., and Flores-Sarnat, L.</i>
3:00 pm	Thalamic Damage in Periventricular Leukomalacia (PVL) <i>Ligam, P., Folkerth, RD., Haynes, RL., Liu, L., Volpe, JJ., Kinney, HC.</i>
3:15 pm	ATP Induces Proliferation and Neuroprotection in Swiss Webster Mouse Olfactory Epithelium <i>Hegg, C., Doherty, J., Crudgington, S., Jones, E.</i>
3:30 pm	Increased Expression of SOX2 in Ammon's Horn Sclerosis: Further Evidence for Neurogenesis in Epilepsy <i>Eschbacher, JM. and Coons, S.</i>
3:45 pm	Association of the Causative Malignant Hyperthermia RyR1Thr2206Met-Mutation with Discrete Clinical and Muscular Biopsy Changes <i>Schober, R., Ogunlade, V., Wehner, M., Ruffert, H.</i>
4:00 pm	Axonal Degeneration as a Self-Destructive Defense Mechanism Against Neurotropic Virus Infection <i>Tsunoda, I., Tanaka, T., Hasanovic, F., Fujinami, RS.</i>
4:15 pm	Oxidative Stress and Release of Bioactive Lipid Peroxidation By-Products Following Herpes Simplex Virus Infection of Neural Cell Cultures <i>Valyi-Nagy, T., Kavouras, JH., Prandovszky, E., Kovacs, K., Shukla, D., Valyi-Nagy, K.</i>
4:30 pm	Notch Pathway Activation in Lentiviral Encephalitis <i>Kofler, JK., Wang, G., Bonneh-Barkay, D., Murphey-Corb, M., Wiley, CA.</i>
4:45 pm	Capture of Malaria Antigens by Microvascular Endothelial Cells: Implication in Pathology <i>Jambou, R., Combes, V., Sanchez-Perez, A., Grau, G.</i>

Diagnostic Slide Session
Marriott Hall 4, North Tower
Saturday 5, April 2008
8:00 pm – 10 pm

Sunday, 6 April 2008
San Diego Convention Center- Room 17A
8:00 am – 11:30 am

TEVA NEUROSCIENCE/ PARISI LECTURE: Room 17A

8:00 am	The Spectrum of CNS Inflammatory Demyelinating Diseases: From Pathology to Pathogenesis <i>Claudia F. Lucchinetti, MD</i> <i>Mayo Clinic, Rochester, Minnesota</i>
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SCIENTIFIC SESSION (MINISYMPOSIUM)

Dementia II: Alzheimer – Room 17A

9:00 am	Abnormal Mitochondrial Dynamics in Alzheimer Disease <i>Zhu, X., Wang, X., Su, B., Perry, G., Smith, MA.</i>
9:15 am	Oxidative Damage to Human Cortex in Aging and Antioxidant Use. <i>Sonnen, JA., Gray, S., Larson, EB., Montine, TJ.</i>
9:30 am	The Primary Pathogenic Role of Vascular Hypoperfusion, Mitochondria Failure and Oxidative Stress in Aging and Alzheimer Disease <i>Aliev, G., Shenk, JC., Fischbach, K., Perry, G., Ames, BN.</i>
9:45 am	Amyloid-beta Stress Test in Patients with Alzheimer Disease <i>Fiala, M., Zaghi, J., Liu, PT., Rosenthal, M.</i>
10:00 am	Apolipoprotein E4 Genotype Influences RAGE and LRP-1 Expression <i>Donahue, JE., Meitner, PA., Tavares, R., Vitek, MP., Jackson, CL.</i>
10 :15 am	Neurodegenerative Phenotypes Induced by MYC-Driven Neuronal Cell Cycle Re-entry : Relevance to Alzheimer Disease <i>Smith, MA, Casadesus, G., Richardson, SL., Perry, G., Petersen, RB., Lee, H.</i>
10:30 am	Clinicopathological Correlations in a Large Alzheimer's Disease Center Autopsy Cohort: Utility of Plaque and Tangle Counts and Application to Specific Topics. <i>Nelson, PT., and Markesbery, WR.</i>
10:45 am	A Clinicopathological Correlation Study of Cognitive Status and Senile Plaques and Neurofibrillary Tangles in Clinically Well-Characterized Individuals of Extreme old age <i>Purohit, D., Batheja, N., Haroutunian, V., Sano, M., Grossman, H., Perl D.</i>
11:00 am	Effect of Gelsolin on Cerebral Amyloid Angiopathy (CAA) in Transgenic Mice <i>Frosch, MP., Prada, CM., Garci-Alloza, M., Betensky, RA., Bacskai, BJ., Greenberg, SM.</i>
11:15 am	Antibody-Antigen Dissociation: A Novel Diagnostic Tool in Alzheimer Disease <i>Smith, MA., Gustaw, K., Garrett, MR., Siedlak, SL., Zhu, X., Friedland, RP., Lee, H.</i>
11:30 am	CAP37, an Inflammatory Mediator in Alzheimer's Disease <i>Pereira, HA., Logan, S. Beverly, K., Lanis, J., Hinsley, H., Fung, K., Adesina, A.</i>
11:45 am	Phosphorylation of Beta-Amyloid Precursor Protein (APP) Cytoplasmic Tail Facilitates Amyloidogenic Processing During Apoptosis <i>Gottardi-Littell, NR., Sodhi, CP., Perez, RG.</i>

12:00 pm – 2 :00 pm Lunch

Sunday, 6 April 2008
San Diego Convention Center –Room 17A
2:00 pm – 5:00 pm

SCIENTIFIC SESSION (MINISYMPOSIUM)

Dementia III: Other – Room 17A

2:00 pm	Creutzfeldt-Jakob Disease in the Baltimore, Maryland Area: A Recent Survey <i>Gonzalez-Cuyar, LF., Morrison, AL., Castellani, RJ.</i>
2:15 pm	A Key Molecular Switch Specifies Species Barriers in Prion Disease <i>Sigurdson, CH., Nilsson, P., Hornemann, S., Manco, G., Draganova, K., Castilla, J., Schwarz, P., Goebel, HH., Wuthrich, K., Aguzzi, A.</i>
2:30 pm	A Novel Human Disease with Abnormal Prion Protein Sensitive to Protease <i>Gambetti, P., Alsheklee, A., Castellani, R., Cohen M., Mastrianni, JA., Kong, Q., Zou, W.</i>
2:45 pm	Resolution of Genetic Structure in White-Tailed Deer: A Tool for Investigating an Outbreak of CWD in Illinois <i>Kelly, AC., Mateus-Pinilla, N., Diffendorfer, J., Beissel, T., Shelton, P., Killefer, J., Ruiz, M., Brown, W., Novakofski, J.</i>
3:00 pm	Spiroplasma Experimentally Induce Astrogliosis and Retinopathy in Ruminants Characteristic of Transmissible Spongiform Encephalopathies <i>Bastian, FO., Todd, WJ., French, HM., Boudreaux, CM, Enright, FM., Elzer, PH.</i>
3:15 pm	Biomarkers for ALS Disease Progression <i>Bowser, R., Ryberg, H., Darko, S., An, J., Wilson, M., Lacomis, D.</i>
3:30 pm	Cystatin C: A Potential Surrogate Biomarker in Amyotrophic Lateral Sclerosis <i>Wilson, ME., Darko, S., Lacomis D., Bowser, R.</i>
3:45 pm	Retinoid Signaling Alterations in Amyotrophic Lateral Sclerosis <i>Kolarcik, CL., and Bowser R.</i>
4:00 pm	Abnormal Dopamine Synapses in HIV-1 Infection Drive Circuit Specific Neurocognitive Impairment <i>Gelman, BB., and Soukup, VM.</i>
4:15 pm	Transcriptional Regulation in the MAPT H1/H2 Haplotype Block <i>Rhodes, CH., Haroutunian, V., Katsel, P., Tsongalis, GJ., Lefferts, JA., Sibille E., Lathrop, MJ., Fiering, SN.</i>
4:30 pm	The Distinct Pattern of Tau Degeneration in Dementia Pugilistica <i>McKee, AC., Stern, RA., Gavett, BE., Cantu, RC.</i>
4:45 pm	Involvement of a-Synuclein in Neurodegeneration in Multiple Sclerosis <i>Lu, J., Fan, Y., Mitha, AP., Yong WV.</i>

Sunday, 6 April 2008
San Diego Convention Center – Room 17B
2:00 pm – 5:00 pm

SCIENTIFIC SESSION (MINISYMPOSIUM)

CNS Tumors – Room 17B

2:00 pm	Genetics of Progression of Pleomorphic Xanthoastrocytoma (PXA) in the Pediatric Population <i>Hazrati, L., Solomon, L., Lee, E., Monsalves, E., Ma, J., Tabori, U., Hawkins, C.</i>
2:15 pm	Mismatch Repair Defects Underlying Temozolomide Chemoresistance in Recurrent Glioblastomas <i>Yip, S., Cahill, DP., Louis DN.</i>
2:30 pm	Glioma Invasion: Identification of Determinants of Invasion Using Time-Lapse Imaging <i>Phillips, JJ., Dijkgraaf, GP., Huillard, E., Rowitch, DH., Werb, Z.</i>
2:45 pm	Experimental Gliomas in Mice Using the Sleeping Beauty (SB) Transposon System: Neuropathologic Aspects <i>Rodriguez, FJ, Collier, LS., Green, LE., Bender, A., Giannini, C., Largaespada, DA., Jenkins, RB.</i>
3:00 pm	Classic Ras and R-Ras Function in Neurofibromatosis Type 1-Associated Malignant Peripheral Nerve Sheath Tumors <i>Brossier, NM., and Carroll, SL.</i>
3:15 pm	Modeling Glioma Growth and Invasion in Drosophila <i>Paulus, W., Witte, H., Jeibmann, A., Klaemdt, C.</i>
3:30 pm	Hypoxia- and VEGF-Induced SDF-1alpha/CXCR4 Expression in Glioblastomas: A Potential Resolution of Scherer's Enigma <i>Zagzag, D., Esencay, M., Mendez, O., Yee, H., Smirnova, I., Huang, Y., Lukyanov, E., Newcomb, EW.</i>
3:45 pm	Proteomic Analysis of Factors Secreted by Glioblastoma that Induced Endothelial Tissue Factor <i>Brat, DJ., Tucker-Burden, C., Rong, Y., Chen, G., Durden, D., Van Meir, E., Pohl, J.</i>
4:00 pm	Novel Origins of Medulloblastoma From Olig2+ Progenitors of the Rhombic Lip <i>Ligon, KL., Schuller, U., Heine, V., Dillon, A., Mao, J., Kho, A., Han, YG., Sun T., Ma, Q., Alvarez-Buylla, A., McMahon, A., Rowitch, D.</i>
4:15 pm	Activation of Oncogenic k-ras in Glioneuronal Precursor Cells Results in Simultaneous Expansion of the Subventricular Zone and Infiltrating Glioma <i>Abel, TW., Clark, C., Bierie, B., Chytil, A., Aakre, M., Gorska, A., Moses, H.</i>
4:30 pm	An Audit of Single CNS Masses in Patients with Known Systemic Malignancy <i>Keohane, C., Qassim, A., Bermingham, N., O'Sullivan, M.</i>
4:45 pm	MGMT Promoter Methylation Status Predicts Survival in Pediatric Glioblastoma <i>Zhang, WW., Mehta, V., Courteau, GR., Su, J., Lau, C., Webb, R., Adesina, AM.</i>

2 :00 pm - AANP/NAVBO Symposium
Neurovascular Communications/Interactions
Sponsored by AANP and
North American Vascular Biology Organization
San Diego Convention Center, Room 15A

Sunday, 6 April 2008
San Diego Convention Center
Poster Sessions 7:30 am – 6:00 pm

Neuropathology: CNS Tumors (Session 706)

Program #	Title/Presenter
706.1	Subependymal Giant Cell Astrocytoma Incidentally Found in an Elderly Patient: Report of an Autopsy Case <i>Takei, H.</i>
706.2	Rosenthal Fiber-Rich Glioblastoma: A Case Report <i>Takei, H.</i>
706.3	De Novo Anaplastic Ganglioglioma in a 5 Year Old Female: A Case Report <i>Wagner, A.</i>
706.4	Anaplastic Angiocentric Glioma: A Report of Two Cases <i>Donev, K.</i>
706.5	Expression and Localization of Connexin 43 in Glioblastoma <i>Gould, P.</i>
706.6	Angiocentric Glioma: Elevated Proliferation Rate at Clinical Presentation Does Not Preclude Extended Recurrence-Free Survival <i>Li, J.</i>
706.7	Retrospective Survival Comparison of Patients with Cerebral Versus Cerebellar Glioblastomas <i>Rivera, A.</i>
706.8	Prognostic Value of Tumor Microinvasion and Metalloproteinases Expression in Intracranial Pediatric Ependymomas <i>Snuderl, M.</i>
706.9	Cell Kinetics Underlying Grading of Gliomas <i>Alvord, Jr., A.</i>
706.10	Unusual Malignant Glioma with Extensive Fibrosis in an Adult <i>Weidenheim, K.</i>
706.11	Rosette-Forming Glioneuronal Tumors: A Report of Three Cases <i>Hattab, E.</i>
706.12	Intraparenchymal Supratentorial Anaplastic Ependymoma with Massive Intratumoral Hemorrhage: A Case Report <i>Rishi, K.</i>
706.13	Anaplastic Oligodendroglial Tumor Metastatic to the Bone Marrow: Molecular Heterogeneity of Glial Neoplasms and the Clinical Importance of Minor Clones <i>Mohila, C.</i>
706.14	Chondroblastic Osteosarcoma Arising in a Recurrent Glioblastoma <i>Hagen, M.</i>
706.15	Expression and Phosphorylation Status of β -arrestin-1 in Normal, Reactive, and Neoplastic Human Brain <i>Bourne, T.</i>
706.16	The Prevalence of Favorable PTEN and MGMT Biomarker Status in 66 Glioblastomas <i>de Jesus, J.</i>
706.17	Papillary Tumor of the Spinal Cord. Report of Two Cases <i>Mobley, B.</i>
706.18	SOX2: A Glioma-Specific Marker and a Potential Target for Therapy <i>Eschbacher, J.</i>
706.19	Structure-Based JAZ Ligand-J1 and its Analogues Show Strong Cytotoxic Effects on Glioma Cells <i>in vitro</i> – A New Class of Glioma Therapy Drugs? <i>Qui, J.</i>

Sunday, 6 April 2008
San Diego Convention Center
Poster Sessions 7:30 am – 6:00 pm

Neuropathology: CNS Tumors (Session 706)

Program #	Title/Presenter
706.20	Primary Central Nervous System Lymphoma: A Review of 21 Cases <i>da Silva, A.</i>
706.21	Unusual Cerebellopontine Angle (CPA) Tumors: Report of Three Cases <i>Kozarski, T.</i>
706.22	Tumor-to-Meningioma Metastasis: Report of Two Cases <i>Takei, H.</i>
706.23	Leptomeningeal Sarcoma 16 Years After Cranial Radiation in a Child with Acute Lymphoblastic Leukemia That Spread to the Central Nervous System (CNS) <i>Llena, J.</i>
706.24	Metastasizing Breast Carcinoma to the Brain: A Clinicopathologic and Immunohistochemical Study of 14 Matched Pairs <i>Hattab, E.</i>
706.25	Metastatic Papillary Thyroid Carcinoma in Brain: Report of Three Cases <i>Li, J.</i>
706.26	Evaluation of Hormone Receptor Status and Proliferation with a Novel Isoform of Proliferating Cell Nuclear Antigen (ca-PCNA) in Predicting Recurrence of Pediatric Meningioma <i>Rushing, E.</i>
706.27	Intracranial Chondroma of the Falx in a Child; Case Report & Review of the Literature <i>Aljerian, K.</i>
706.28	Aggressive Pediatric Meningioma with Soft Tissue and Lymph Node Metastases: A Case Report <i>Doxtader, E.</i>
706.29	Tumor to Tumor Metastasis Causing Rapid Meningioma Enlargement: A Case Report <i>Tolocica, I.</i>
706.30	Incidentally Discovered Papillary Glioneuronal Tumor with 3-Year Follow-up <i>Newell, K.</i>
706.31	Primary CNS Lymphomatoid Granulomatosis in a 62-Year-Old Woman with an Otherwise Unremarkable Medical History: A Case Report <i>Olson, R.</i>
706.32	Examination of Blood-Brain Barrier (BBB) Integrity in a Mouse Brain Tumor Model <i>On, N.</i>
706.33	Lipomatous Supratentorial Primitive Neuroectodermal Tumor with Glioblastomatous Differentiation <i>Chamberlain, W.</i>
706.34	Leptomeningeal Melanosis – A True Pediatric Pathology/Cytology Challenge <i>Rajaram, V.</i>
706.35	Myofibroblastoma Presenting as a Cystic Lesion with a Mural Nodule in the Brain Parenchyma <i>Gupta, G.</i>
706.36	Glioma-like Proliferation within Tissues Excised as Tubers in Patients with Tuberous Sclerosis Complex: A Diagnostic Problem <i>Fischer, I.</i>

Sunday, 6 April 2008
San Diego Convention Center
Poster Sessions 7:30 am – 6:00 pm

Neuropathology: CNS Tumors (Session 706)

Program #	Title/Presenter
706.37	Novel Variant of Cortical Dysplasia in Two Cases of Infantile Intractable Epilepsy <i>Khanlou, N.</i>
706.38	SOX2 Immunoreactivity in Cortical Dysplasia and in Tumors with Composite Glial and Neuronal Histologic Features: Evidence for a Common Route of Histogenesis <i>Eschbacher, J.</i>
706.39	Cytomorphology of Myxopapillary Ependymoma <i>Takei, H.</i>
706.40	Neuropathologic Features of Corticectomies (Including Tubers) From Tuberous Sclerosis Patients <i>Mehta, R.</i>
706.41	Activated Notch Pathway Proteins and FoxG1 are Co-Expressed in Medulloblastoma: Correlation with Phenotype <i>Peters, L.</i>
706.42	Solitary Intracerebral Juvenile Xanthogranuloma in an 8-Year – Old Boy <i>Hattab, E.</i>
706.43	DNA Copy Number Change Analysis for an Anaplastic Ependymoma Case with Recurrence <i>Sharma, S.</i>
706.44	Immunohistochemical Expression of PTTG in Brain Tumors <i>Salehi, F.</i>

Neuropathology: Dementia (Session 707)

Program #	Title/Presenter
707.1	Neuronal Hypertrophy in Asymptomatic Alzheimer's Disease in the BLSA <i>Iacono, D.</i>
707.2	Asymptomatic AD is Associated with Hypertrophy of CA1-Hippocampus Neurons in the NUN Study <i>Iacono, D.</i>
707.3	Severe Cerebral Amyloid Angiopathy in Alzheimer's Disease is associated with Frequent Old Microinfarcts <i>Soontornniyomkij, V.</i>
707.4	Effects of FGF-2 Overexpression in the Dutch/Iowa APP Transgenic Mouse <i>Donahue, J.</i>
707.5	Altering Agrin Expression Influences $\alpha\beta$ Deposition in APP (Swe)/PS1 (ex9) Transgenic Mice <i>Donahue, J.</i>
707.6	The Distribution of Karyopherin $\alpha\beta$ Proteins in Alzheimer's Disease <i>Sheffield, L.</i>
707.7	Dense Neurofibrillary Degeneration of the Posterior Cortex, BA 19/37, in a cognitively Normal Monozygotic Twin at High Risk for Alzheimer's Disease <i>McKee, A.</i>
707.8	Neuropathological Characterization of Early Onset Alzheimer Disease Associated with The V717L APP Mutation <i>Spina, S.</i>
707.9	Lipopolysaccharide Toxicity to Hippocampal Intermediate Neuronal Progenitors is Diminished in Mice Lacking Prostaglandin E2 Receptor Subtype EP1 <i>Keene, C.</i>

Sunday, 6 April 2008
San Diego Convention Center
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Neuropathology: Dementia (Session 707)

Program #	Title/Presenter
707.10	Co-Existence of Diffuse Multisystem Tauopathy and Cerebral Amyloid Angiopathy in an Elderly Patient with Dementia <i>Rivera, A.</i>
707.11	Relative Neuron Loss (NL) in Substantia Nigra (SN) and Locus Coeruleus (LC) in Neurodegenerative Disorders <i>Hedreen J.</i>
707.12	Expression Analysis of Progranulin and TDP-43 Genes in FTL-D-U and FTL-D-MND <i>Mishra, M.</i>
707.13	Tau Negative FTL-D Without Abnormal TDP-43 Immunoreactivity <i>Josephs, K.</i>
707.14	Re-Evaluation of Archival "DL-DH" Cases for Frontotemporal Lobar Degeneration with Ubiquitin Inclusions: Antigen Retrieval is Essential <i>Gearing, M.</i>
707.15	Polyglutamine Immunoreactivity is Present in FTL-D-U and Normal Controls <i>Herndon, E.</i>
707.16	Incidence and Extent of Lewy Body-related α -Synucleinopathy in Human Aging Olfactory Bulb <i>Sengoku, R.</i>
707.17	Diagnosis and Grading of the Parkinson's Disease Phenotype <i>Richfield, E.</i>
707.18	Neuroprotective Effects of Pyruvate and Piroxicam in Animals Treated with 1-methyl-4-phenyl-1,2,3,6 tetrahydropyridine (MPTP) <i>Soliman, Y.</i>
707.19	Mode of Cell Death in C6 Glial Cell Exposed to 1-methyl-4-phenylpyridinium (MPP+) <i>Badisa, R.</i>
707.20	Downregulation of Stearoyl-CoA Desaturase in Huntington's Disease <i>Lingrell, S.</i>
707.21	Chagas' Disease Parasite Neurotrophic Factor Ameliorates Neurotoxin-Induced Degeneration <i>in vivo</i> <i>Caradonna, K.</i>

Neuropathology: Other (708)

Program #	Title/Presenter
708.1	Immune Reconstitution Inflammatory Syndrome of the Brain : Clinicopathological Study of Six Cases <i>Rushing, E.</i>
708.2	Intracranial Mycotic Aneurysm: A Case Report <i>Rishi, K.</i>
708.3	Coccidioides spp. Presenting as Hyphal Form in a Basilar Artery Mycotic Aneurysm <i>Eschbacher, J.</i>
708.4	<i>In situ</i> Hybridization for Fungal Ribosomal RNA Sequences Using Locked Nucleic Acid (LNA) Probes <i>Montone, K.</i>

Sunday, 6 April 2008
San Diego Convention Center
Poster Sessions 7:30 am – 6:00 pm

Neuropathology: Other (Session 708)

Program #	Title/Presenter
708.5	Caudate Nucleus Atrophy Associated with HIV Encephalitis <i>Newell, K.</i>
708.6	EV71 Induces COX-2 Expression and PGE2 Synthesis Through MAPKs and NF- κ B Pathways in SK-N-SH Cells <i>Tung, W.</i>
708.7	Bradykinin Induces Matrix Metalloproteinase-9 Expression and Cell Migration Through a PKC- δ - Dependent ERK/Elk-1 Pathway in Astrocytes <i>Tsai, H.</i>
708.8	CD24 Inhibits Demyelination in a Mouse Cuprizone-Demyelination Model <i>Ray-Chaudhury, A.</i>
708.9	Whole body Bi-214 and Bedroom Radon Concentration in Multiple Sclerosis <i>Lykken, G.</i>
708.10	Reversible Posterior Leukoencephalopathy Syndrome: Report of 3 Autopsy Cases <i>Takei, H.</i>
708.11	Disseminated Subpial Demyelination Presenting as Respiratory Stridor <i>Dulai, M.</i>
708.12	Subarachnoid Hemorrhage Induces Reactive Gliosis and Brain Injury <i>Murakami, K.</i>
708.13	TDP-43 Immunoreactivity in Anoxic, Ischemic and Proliferating Lesion of the Central Nervous System <i>Lee, E.</i>
708.14	Technical and Practical Limitations of Whole Slide Digital Imaging in the Analysis of Intracranial Thrombectomies <i>Tsang, M.</i>
708.15	Eosinophilic Intracytoplasmic Inclusions within the Cerebral Cortex in Chronic Seizure Disorder – A Report of Two Cases and a Review of the Literature <i>Cunliffe, C.</i>
708.16	Spinal Cord Malformation Containing a Papillary Neoplasm <i>Sharer, L.</i>
708.17	Evaluation of Atopy and Immune Functions in Children with Autism Spectrum Disorders (ASD): Identification of an ASD Subset with Distinct Clinical and Immunological Findings <i>Jyonouchi, H.</i>
708.18	Cryptic Unbalanced t (4q;18q) In a Pediatric Patient with Neuropathologic Findings <i>Horbinski, C.</i>
708.19	Neuromuscular Presentation of Severe Neonatal Onset Glycogenosis Type IV <i>Rivera-Zengotita, M.</i>
708.20	Mitochondrial Immunofluorescence Assay as an Adjunctive Tool in the Diagnosis of Mitochondrial Myopathy <i>Rivera-Zengotita, M.</i>
708.21	Diagnostic Testing for Congenital Muscular Dystrophies in a Cohort of USA Patients <i>Moore, S.</i>

Sunday, 6 April 2008
San Diego Convention Center
Poster Sessions 7:30 am – 6:00 pm

Neuropathology: Other (Session 708)

Program #	Title/Presenter
708.22	Adult Myopathies with Tubular Aggregates: Clinical Correlates <i>Gultekin, S.</i>
708.23	Caveolin Inclusion Myopathy <i>Lach, B.</i>
708.24	Morphologic Assessment of Muscle Biopsy abnormalities in Patients with Congenital Fiber Type Disproportion and Tropomyosin 3 Mutation <i>Lawlor, M.</i>
708.25	Cardiac Pathology in a Case of Limb-Girdle Muscular Dystrophy Type 2I (LGMD-2I) <i>Margeta, M.</i>
708.26	I-Z-I Complex Myopathy <i>Rhodes, R.</i>
708.27	Thymoma and Myasthenia Gravis in a Patient with Sarcoidosis <i>Kurukumbi, M.</i>
708.28	Myonuclear Degeneration in LMNA Null Mice <i>Bornemann, A.</i>
708.29	Diagnostic Role of Peripheral Nerve Biopsy in Churg-Strauss Syndrome <i>Narendra, S.</i>
708.30	Evaluation of a Novel Vibration Perception Threshold Instrument <i>May, K.</i>

Monday, 7 April 2008
San Diego Convention Center – Room 17A
8:30 am – 11:30 am

SAUL KOREY LECTURE: Room 17A

8:30 am	Brain Tumor Classification: Little Steps and Big Jumps <i>David N. Louis, MD</i> <i>Massachusetts General Hospital</i>
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9:30 am – 9:50 am Awards Presentations

9:50 am – 11:30 am Presentation of Meritorious Contributions

11:30 am Closing Ceremony