

ASSFN 2010 Biennial Meeting
 June 14-16, 2010
 New York Marriott Downtown Hotel ❖ New York, NY

Monday, June 14

7:00	Breakfast Seminar	Cell Transplantation in Neurosurgery	Roy Bakay, Moderator, Thomas Freeman, Lorenz Studer
8:00		Opening Remarks & Presidential Address	Philip Starr
8:30	Invited Lecture	Functional Imaging	David Eidelberg
9:00	Invited Lecture	Gene Therapy for Functional Neurological Disorders	Michael Kaplitt
9:30	Open Papers	Movement Disorders I	Ron Alterman, Christopher Honey, Moderators
	930-942	71	Enhancing Stem Cell Survival with GDNF In MPTP Parkinson-Like Monkeys
	942-954	171	Stimulation-induced Beta Suppression And Firing Rate Elevation In The Contralateral Subthalamic Nucleus In Parkinson's Disease
	954-1006	168	Human Ventromedial Subthalamic Nucleus Neurons are Sensitive to Reward Contingency and Expectation
	1006-1018	133	Population Computation Suppression Through Synchrony
	1018-1030	143	Predictors of Neurocognitive Impairment following Deep Brain Stimulator Implantation for Essential Tremor
10:30	Break		
11:00	Open Papers	Movement Disorders II	Peter Konrad, Paul Larson, Moderators
	1100-1112	39	Closed Loop Deep Brain Stimulation for Parkinson's Disease
	1112-1124	16	Deep Brain Stimulation Of The Subthalamic Nucleus Reveals Altered Glutamate Dynamics In The Subthalamic Nucleus Of Hemi-parkinsonian Rats
	1124-1136	164	The Anatomical and Electrophysiological Subthalamic Nucleus by 3.0 T MRI
	1136-1148	34	Levodopa and Deep Brain Stimulation may have Different but Overlapping Mechanisms
	1148-1200	74	Focal Efficacy Seen Consistently In Essential Tremor (et) Patients Undergoing Vim Deep Brain Stimulation (dbs)
12:00	Honored Guest Luncheon Lecture	<u>Stereotactic and Functional Neurosurgery</u> : Vox Clamantis in Confiniis	David Roberts

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1:30	Invited Lecture	Molecular Pathways in Movement and Psychiatric Disorders	Paul Greengard
2:00	Invited Lecture	DBS for Dementia	Andres Lozano
2:30	Open Papers	Psychiatric Surgery	Ali Rezai, Rees Cosgrove, Moderators
230-242	13	DBS in NAcc Reduces Alcohol Intake in P-Rats During Stable Drinking and After Alcohol Deprivation	
242-254	121	Bilateral GPe-DBS for Tourette Syndrome: A Double-blind Prospective Controlled Study of Seven Patients	
254-306	22	DBS of the Amygdala for the Treatment of Posttraumatic Stress Disorder	
306-318	113	Distinct Subpopulations of Human Dorsal Anterior Midcingulate Cortex Neurons	
318-330	120	Long Term Follow Up Study Of Surgical Treatment For Drug Addiction	
330-342	103	Posterior Hypothalamotomy for Intractable Aggressivity	
3:45	Break		
4:15	Open Papers	Pain	Joshua Rosenow, Alon Mogilner, Moderators
415-427	38	Deep Brain Stimulation For Pain: 76 Cases In Two Centres	
427-439	28	Occipital Nerve Stimulation for Intractable Headaches in the Chiari Malformation Population: a Single - Institution Experience	
439-451	81	Spinal Cord Stimulation Placement Guided by Intra-Operative Central H-reflex	
451-503	159	Diffusion Tensor Imaging as a Guide to the Classification of Trigeminal Neuralgia	
503-515	123	Cervicomedullary Junction Spinal Cord Stimulation for the Management of Head and Facial Pain	
515-527	57	Motor Cortex Stimulation for Intractable Facial Pain:	
5:30	Adjourn		

Tuesday June 15

7:00	Breakfast Seminar	Neural Prostheses in Neurosurgery	Ted Schwartz, Moderator, Leigh Hochberg, Eric Leuthardt
8:00		Introduction of Honored Guest	Michael Schulner
8:05	Honored Guest Lecture	Epilepsy as the Stereotactic Paradigm: Successes, Limits and Opportunities	David Roberts
8:30	Invited Lecture	Peripheral Stimulation for Craniofacial Pain	Konstantin Slavin
8:55	Open Papers	Epilepsy I	Mojgan Hodaie, Aviva Abosch, Moderators
	855-907	101	Results Of The RNS™ System Pivotal Trial: A Multicenter Double Blinded Randomized Sham Controlled Pivotal Investigation Of The Safety And Efficacy Of Responsive Stimulation For Treatment Of Medically Intractable Partial Onset Seizures In Adults.
	907-919	48	Development of a Large Animal Model for Investigation of Deep Brain Stimulation for Epilepsy
	919-931	91	Anterior Nucleus of Thalamus Stimulation for Epilepsy: Issues Conducting Class I Trials of Surgical Therapies
	931-943	6	Anatomo-functional Organization Of The Insular Cortex In Epileptique Humans:
	943-955	104	The Significance of Concordance of Electrographic Data in Surgical Outcome of Patients with Non-Lesional, Extra-Temporal Epilepsy
9:55	Break		
10:10	Open Papers	Epilepsy II	Robert Gross, Daniel Yoshor, Moderators
	1010-1022	112	High Frequency Oscillations Evoked by Microstimulation
	1022-1034	107	Clinical Utility of Functional Magnetic Resonance Imaging for Brain Mapping of Language and Motor Function
	1034-1046	80	Evaluation of White Matter Tracts in Patients Undergoing Temporal Lobectomies for Medically-Intractable Epilepsy
	1046-1058	142	Tailored Temporal Lobectomy for Medically Intractable Epilepsy: Predictors of Engel's Class 1 Outcome
	1058-1110	79	Lateralization Of Temporal Lobe Epilepsy With Long-term Ambulatory Intracranial Monitoring Using The RNS™ System
11:10	Invited Lecture	Preliminary Investigations of Multiple Hippocampal Transection Surgery for selected patients with Temporal Lobe Epilepsy	Robert Maciunas
11:30	Executive Board		

Meeting
Tuesday June 15

11:30	Lunch: Poster Viewing		Poster Review Committee: Zelma Kiss, Eric Richter, Joseph Neimat, Ashesh Mehta
1:00	Invited lecture		Physiological Mechanisms of Basal Ganglia Disorders Emad Eskandar
1:30	Invited lecture		Pedunculopontine Nucleus Deep Brain Stimulation Clement Hamani
2:00	Invited Lecture		DBS for Tourette's - Update Robert Maciunas
2:30	Open Papers		Movement Disorders III Kathryn Holloway, Nicholas Boulis, Moderators
	230-242	158	An Analysis of Anatomical Variability of the Globus Pallidus in 220 Brains: Implications for Stereotactic Neurosurgery
	242-254	61	Human Subthalamic Nucleus Activity Is Involved In Motor Adaptation
	254-306	108	Intra-operative Electrographicography in Movement Disorders: A New Approach to Understanding Pathophysiology
	306-318	175	Task-dependent Local Field Potential Fluctuations in Subthalamic Nucleus and Frontal Cortex
	318-330	12	Linear Measurements Of Ventricular Volume Correlate With Complications Following DBS
	330-342	82	Subthalamic neurons recorded in humans are differentially altered by Propofol and Remifentanyl.
3:45	Break		
4:15	Open Papers		Movement Disorders IV Kelly Foote, Gordon Baltuch, Moderators
	415-427	144	Age Over 70 Does Not Preclude Good Outcomes in Patients Implanted With the Deep Brain Stimulator
	427-439	146	Deep Brain Stimulation Of The Subthalamic Nucleus Affects Prefrontal Oxyhemoglobin Concentration During Emotion Induction In Parkinson's Disease
	439-451	56	High Frequency Stimulation Of The STN In PD Increases Global Cerebral Blood Flow.
	451-503	78	Assessment of Olfactory Processing in Parkinson's Disease Patients
	503-515	160	DBS Hardware Configurations Using Single or Dual Channel Pulse Generators Markedly Affects 3.0 T MRI DBS Lead Heating
	515-527	33	Effective STN DBS Sites May Differ for Tremor, Bradykinesia and Gait Disturbances in Parkinson's Disease
5:30	Adjourn		
7:00	Gala Dinner		Museum of Jewish Heritage

Wednesday June 16

7:00	Breakfast Seminar		"Consciousness: Disorders and Surgical Treatment"	Andres Lozano, Moderator, Nicholas Schiff and Rudolfo Llinas
8:00	Invited Lecture		Standards for Clinical Research in Neurosurgery	Doug Kondziolka
8:30	Invited Lecture		Technological Evolution in Radiosurgery	William Friedman
9:00	Open Papers		Radiosurgery/Tumors	Robert Goodman and Michael Schulner, Moderators
		900-912	141	Immediate Pain Relief elicited after Radiosurgery for Classical and Symptomatic Trigeminal Neuralgia
		912-924	9	Balloon Compression Technique in the Management of Persistent Intraoperative Intratumoral Hemorrhage Resulting From Stereotactic Biopsy
		924-936	139	Diffusion Tensor Imaging of Convection Enhanced drug delivery in patients with Recurrent Glioblastoma Multiforme
		936-948	19	Frameless Stereotactic Biopsy: Safety And Efficacy in 535 Cases
		948-1000	45	Real-time Convection Enhanced Delivery Using the ClearPoint System: An integrated platform for MRI-guided direct intracerebral drug delivery
10:00	Break			
10:30	Open Papers		DBS: Technical Aspects	Antonio DeSalles and John Adler, Moderators
		1030-1042	124	Novel MRI sequences achieving low Specific Absorption Rate (SAR) for Patients with Implanted Deep Brain Stimulators (DBS)
		1042-1054	30	Intra-Operative CT For DBS Surgery: Technique And Accuracy Assessment
		1054-1106	51	Comprehensive Analysis of Seizure Risk after Deep Brain Stimulation: Proposed Indications for Prophylaxis
		1106-1118	46	The Effect Of Intraventricular Penetration On Brain Shift In Deep Brain Stimulation Surgery
		1118-1130	50	Transventricular Electrode Trajectories Are Associated With Increased Length Of Stay And Clinical Complications
11:30	Business Meeting			
12:00	Luncheon Lecture		Kathleen Hulser Public Historian, Senior Curator of History New York Historical Society	

Wednesday June 16

1:15	Invited Lecture	Advances in Image Guided Neurosurgery	Richard Bucholz
1:45	Invited Lecture	Optogenetic Neuromodulation	Jaimie Henderson
2:15	Open Papers	Emerging Technologies and Neuroprosthetics I	Brian Kopell, Jason Schwalb, Moderators
215-227	59	Human Fetal Neural Stem Cell Transplantation for ALS: a Phase I Safety Trial	
227-239	117	Cervical Spinal Cord Stimulation for Prevention of Arterial Vasospasm after Aneurysmal SAH: Implications of Electrode Location	
239-251	110	Functional Organization of the Human Superior Temporal Gyrus for Speech Representation	
251-303	54	Self Paced Ecog-Based BCI In Freely Moving Rats: First step to control effectors in a noisy environment	
303-315	151	Stimulation of Lateral Hypothalamus in three patients with Chronic Refractory Morbid Obesity using Standard Movement Disorder Programming Parameters	
3:15	Break		
3:30	Open Papers	Emerging Technologies and Neuroprosthetics II	Atom Sarkar, Philip Starr, Moderators
330-342	95	STN DBS Results in Striatal fMRI BOLD Activation with Dopamine Efflux as Measured by FSCV	
342-354	76	Use Of Biomaterials To Promote Central Fiber Tract Regeneration In Experimental Models	
354-406	18	Cortical Electrical Stimulation: The Holy Grail of Focal Adenosine Delivery for Cortical Epilepsy	
406-418	75	Monitoring of Adenosine and Dopamine using the Wireless Instantaneous Neurotransmitter Concentration System in the Rats with Unilateral 6-HydroxyDopamine Lesions by High Frequency Stimulation	
418-430	24	Cerebral Microdialysis During Surgery Of Parkinson's Disease: Basic And Stimulation-induced Levels Of Neurotransmitters	
4:30	Awards Ceremony		Michael Schulder and Phil Gildenberg