

## Monday, April 4, 2005

<b>8:00-9:05am</b>		<b>Special Lectures 5-8</b> <b>Inner Ear Drug Discovery / Delivery Strategies</b> <i>Moderator: Josef Miller</i>	
8.00am	SL-5	Cochlear Implantation: A Path to Inner Ear Pharmaceuticals	J. Miller
8.15am	SL-6	Two Kinds of Drug Delivery Systems Applied to Meniere's Patients and a Deafened-Animal Model	T. Kubo
8.30am	SL-7	Novel Slow-and Fast-Type Drug Release Round-Window Microimplants for Local Drug Application to the Cochlea: Experimental Studies in Guinea Pigs	W. Arnold
8.45am	SL-8	Microsystems Technology for Long-Term Drug Delivery to the Inner Ear	J. Borenstein
9.00am		<i>Discussion</i>	
<b>9:05-10:05am</b>		<b>Panel Discussion 1</b> <b>Medical Management of Meniere's Disease</b> <i>Moderator: Lorne Parnes</i>	
9.05am	PD-1	Allergy Evaluation and Treatment Outcomes and Quality of Life Assessments for Meniere's Disease Psychological Aspects and Evidence for Diuretics Oral and Intratympanic Corticosteroids	S. Cass M. Stewart P. Tran Ba Huy J. Harris
9.45am		<i>Discussion</i>	
<b>10:30-12:05pm</b>		<b>Mini-Symposium 3</b> <b>Inner Ear Homeostasis Disorders: A New Perspective of SNHL</b> <i>Moderators: Christine. Petit, Richard. Smith</i>	
10.30am	MS-11	Deafness Due to Connexin 26 and/or Connexin 30 Defects: from the Genes Towards Pathogenesis	C. Petit
10.47am	MS-12	Genotypes and Associated Phenotypes for <i>GJB2</i> -related Deafness	R. Smith
11.04am	MS-13	Structure and Dynamics of Connexin26 Gap Junctions: Implications for the Role Gap Junctions Play in Inner Ear Homeostasis	G. Sosinsky
11.21am	MS-14	Differential Effects Of Connexin26 Mutations On Ionic And Biochemical Permeabilities Of Gap Junctions Studied In Vitro	X. Lin
11.38am	MS-15	Inner Ear K <sup>+</sup> Recycling Pathways	B. Schulte
11.55am		<i>Discussion</i>	

**Poster Session B**  
**April 4 (Monday)**  
**1:30 PM – 2:30 PM**

#	Name	Title
P-33	Endo	A Novel Strategy for Treatment of Inner Ear Disease using a Biodegradable Gel
P-34	Monini	Comparison of Different Pharmacological Treatments for Idiopathic Tinnitus
P-35	Sauvaget	Transplantation of Stem Cells into the Lateral Wall of the Inner Ear
P-36	Groves	Postnatal Mammalian Supporting Cells Can Divide and Transdifferentiate into Sensory Hair Cells
P-37	Vrabec	Prevalence of Coch Mutations in Sporadic Cases of Meniere's Disease
P-38	Choung	Meniere's Disease in Children
P-39	De Seta	Dietary Habits and Life Style as Risk Factors in Sudden Deafness
P-40	Havia	The Prevalence of Meniere's Disease in General Population of Finland
P-41	Gates	Evaluating Quality of Life Measures for Meniere's Disease
P-42	Usami	A Unique Mutation Spectrum in the GJB2 (Connexin 26) Gene in the Japanese Population: Severity of Hearing Loss is Correlated with Genotypes
P-43	Gaertner	Herpes Simplex and Meniere's Disease
P-44	Sen	Co-morbidity of Migraine and Meniere's Disease - Is Allergy the Link?
P-45	van Crujjsen	Analysis of Cortisol and other Stress-related Hormones in Patients with Meniere's Disease.
P-46	Deggouj	Meniere's Disease in a Cochlear Implantee: Revisit of the Endolymphatic Hydrops Hypothesis
P-47	Lavinsky	Glucose and Insulin Profiles and their Correlations in Meniere's Disease
P-48	Goycoolea	Spontaneous Musical Auditory Perceptions in Patients who Develop Abrupt Bilateral Sensorineural Hearing Loss. A Desinhibition Syndrome? Preliminary Report.
P-49	Koo	Vibration Induced Nystagmus in Meniere's Disease
P-50	Shimizu	Kanamycin Ototoxicity in Glutamate Transporter Knockout Mice

P-51	Dogheim	Hearing Assessment in Infants at Risk
P-52	Borenstein	Vestibular Protheses for the Balance Impaired
P-53	Candreia	Sequencing Analysis of Aquaporin 1 And 2 in Meniere's Disease
P-54	Nagura	Expression of Muc1, Muc2 and Muc5AC Mucin Genes in the Rat Inner Ear
P-55	Meyer zum Gottesberge	Alpha-Melanocyte-Stimulating Hormone: its Current Significance for the Inner Ear
P-56	Quaraishi	A Mathematical Model of Ion Regulation in the Stria Vascularis
P-57	Morimitsu	Sudden Deafness Caused by Break Down of the Ionic Charge Barrier in the Stria Vascularis
P-58	Moon	Induction of Chemokines by Otitis Media Pathogens in Spiral Ligament Fibrocytes
P-59	Hayashi	The Cell Functional Control Analysis of Molecular Chaperone in Meniere's Disease
P-60	Hayashi	The Expression and Genetic Variations of Molecular Chaperone in Meniere's Disease
P-61	Teranishi	Expression of Cyclic GMP-dependent Protein Kinase-I in the Mouse Inner Ear
P-62	Yoo	Immune Response in Tubulin Induced Hearing Loss in Mice

**Oral Presentation Session 3A – Clinical**  
**April 4 (Monday), 2:30 PM – 3:45 PM**  
*Moderators: Patrice Tran Ba Huy, Kimitaka Kaga*

#	Time	Name	Medical/Non-Surgical Treatment
O-29	2:30-2:39	Bouccara	Evaluation of the Effect of the Meniett™ Device on Vertigo Frequency in Patients with Meniere's Disease
O-30	2:39-2:48	Gates	Long Term Results of Usage of the Meniett Device for Meniere's Disease
O-31	2:48-2:57	Barbara	Long-term Follow-up of Meniett Treatment
O-32	2:57-3:06	Garduno-Anaya	Four Years of Prospective Evaluation of Dexamethasone Inner Ear Perfusion in Unilateral Meniere's Disease.
3:06-3:12			<i>Discussion (6 mins)</i>
O-33	3:12-3:21	Cass	Chemical Labyrinthectomy using Intratympanic Gentamicin for Treatment of Disabling Vertigo Associated with Meniere's Disease
O-34	3:21-3:30	Esteve-Fraysse	Long Term, Vertigo Hearing and Quality of Life Outcome in Patients with Intratympanic Gentamicin for Meniere's Disease.
O-35	3:30-3:39	Perez	Assessment of Vestibular Handicap in Patients with Meniere's Disease after Treatment with Intratympanic Gentamicin
O-36	3:39-3:48	Sala	Meniere's Disease, Transtympanic Gentamicin and Hearing Function
3:48-3:54			<i>Discussion (6 mins)</i>

3:54-4:15  
*Coffee  
Break*

**Oral Presentation Session 3B – Clinical**  
**April 4 (Monday), 4:15 PM – 5:30 PM**  
*Moderators: Poul Bretlau, Emilio Garcia Ibanez*

<b>Surgical Treatment</b>			
O-37	4:15-4:24	Quaranta	Long-term Outcome of Meniere's Disease: Endolymphatic Mastoid Shunt Versus Medical Therapy
O-38	4:24-4:33	Kitahara	Endolymphatic Sac Drainage and Steroid-instillation Surgery: Long-term Results of 50 Operations
O-39	4:33-4:42	Sterkers	Long-term Results of Surgical Treatment of High Jugular Bulb Mimicking Meniere's Disease.
O-40	4:42-4:51	Gibson	The Effect of Removal of the Extra-osseous Portion of the Endolymphatic Sac in Ears Affected by Meniere's Disease
4:51-4:57			<i>Discussion (6 mins)</i>
O-41	4:57-5:06	Wong	Revision Endolymphatic Mastoid Shunt: Is there a Role?
O-42	5:06-5:15	Garcia Ibanez	Long Term Results in Middle Fossa Vestibular Neurectomy
O43	5:15-5:24	Marcus	Long-term Follow-up after Vestibular Neurectomy by the Posterior Fossa Approach in the Treatment of Meniere's Disease.
5:24-5:30			<i>Discussion (6 mins)</i>

**Oral Presentation Session 4 A – Basic Science**

**April 4 (Monday); 2:30 PM – 3:45 PM**

*Moderators: Evelyne Ferrary, Takeshi Kubo*

#	Time	Name	Inner Ear Homeostasis-II
O-44	2:30-2:39	Matsunaga	Degeneration and Regeneration of Cochlear Fibrocytes Mediate Hearing Loss and its Recovery in a Model of Acute Cochlear Mitochondrial Dysfunction
O-45	2:39-2:48	Cundiff	Analysis and Expression of Connexin 26 Mutations
O-46	2:48-2:57	Zhao	What is the Function of Connexin26 in the Cochlea? Potassium Recycling or Intercellular Signaling and Nutrient/Energy Supplies?
2:57-3:03		<i>Discussion (6 mins)</i>	
O-47	3:03-3:12	Choo	Co-expression of Pendrin, Vacuolar H <sup>+</sup> -ATPase A4 Subunit and Carbonic Anhydrase 2 in the Mouse Endolymphatic Sac
O-48	3:12-3:21	Miyashita	Mitochondria-rich Epithelial Cells Play an Important Role in Na Transport of the Endolymphatic Sac.
O-49	3:21-3:30	Couloigner	Ionic and Protein Content of the Human Endolymphatic Sac Luminal Fluid
O-50	3:30-3:39	Cha	Human Spag11 (ep2e) and its Rat Homologue Bin1b are Inducible Beta-defensin-like Antimicrobial Peptides that are Expressed in the Inner Ear Endolymphatic Sac
3:39-3:45		<i>Discussion (6 mins)</i>	

3:45-4:15  
*Coffee  
Break*

**Oral Presentation Session 4 B– Basic Science**

**April 4 (Monday); 4:15 PM – 5:30 PM**

*Moderators: Thomas Ven der Water, Dennis Trune*

<b>Potential Therapies for Inner Ear Homeostasis Disorders</b>			
O-51	4:15-4:24	Oh	The Change of Expression of Vasopressin Type 2 Receptor and Aquaporin 2 in the Rat Cochlea During Maturation
O-52	4:24-4:33	Stjernschantz	Localization of Prostanoid Receptors and Cyclo-oxygenase Enzymes in the Cochlea of Guinea Pig and Man
O-53	4:33-4:42	Trune	Role of Mineralocorticoid Receptor in Glucocorticoid-Responsive Hearing Loss
O-54	4:42-4:51	Caye-Thomasen	Erythropoietin and Erythropoietin Receptor Expression in the Inner Ear and Treatment of Noise Induced Hearing Loss with Local Erythropoietin Application in the Guinea Pig
4:51-4:57		<i>Discussion (6 mins)</i>	
O-55	4:57-5:06	Park	Cisplatin Induces the Death of Auditory Cells through Production of Pro-inflammatory Cytokines
O-56	5:06-5:15	Van de Water	The Role of The Mitogen Activated Protein Kinase (MAPK)/c-jun-n-terminal Kinase (JNK) Signal Pathway in the Oxidative Stress Initiated Death of Auditory Sensory Cells: A Novel Therapeutic Strategy
O-57	5:15-5:24	Kalinec	An Auditory Cell Line as a Tool for the Discovery of Otoprotectant Drugs
5:24-5:30		<i>Discussion (6 mins)</i>	

