Sessions-At-A-Glance: Vestibular Influences on Movement
Satellite Meeting

SP1.1  Afferent responses to mechanical stimulation and drug application in mouse in-vitro labyrinth. A. J. Camp, H. Lee, R. J. Callister, A. M. Brichta

SP1.2  Presynaptic Ca Channels in Frog Semicircular Canal Hair Cells. P. Perin, A. Pascale, J. Pace, P. Valli

SP1.3  Voltage responses of type I and type II hair cells of the chick embryo semicircular canal. S. Masetto, M. Bosica, P. Perin, G. Zucca, O. P. Ottersen, P. Valli

SP1.4  Junctional transmission in calyx-bearing and bouton afferents in the turtle posterior crista. J. T. Xue, J. C. Holt, J. M. Goldberg

SP1.5  Responses of Irregular Vestibular Nerve Afferents to High-Frequency Rotations. T. E. Hullar, D. M. Lasker, J. P. Carey, L. B. Minor

SP1.6  Responses to low and high intensity stimuli in chinchilla semicircular canal afferents. M. Plotnik, J. M. Goldberg

SP1.7  Intra-axonal Recordings from Canal Afferents in the Mouse In-Vitro Labyrinth. A. M. Brichta, A. J. Camp, H. Lee, R. J. Callister

SP1.8  A Cellular and Pharmacological Analysis of Efferent Responses in Turtle Posterior Crista Afferents. J. C. Holt, J. Xue, J. M. Goldberg

SP1.9  A Report of 2 Cases of Ageotropic Horizontal Canal Benign Paroxysmal Positional Vertigo Managed with a New Head Shaking Method and Analyses of the Results of 25 Cases. Gyu Cheol Han, Hyung Gyu Jeon

SP1.10  Properties of Adaptation in Hair Cells of the Mouse Utricle. Melissa Vollrath, Ruth Anne Eatock

SP1.11  Directional selectivity and dynamic responses of vestibular afferents following regeneration from ototoxic damage. M Zakir, JD Dickman

SP1.12  Vestibular neuritis visualized by 3 Tesla MRI. M.Karlberg, M.Annertz, M.Magnusson

SP2.1  Dynamics of primate vestibular neurons during rotation. J. D. Dickman, A. Haque, D. E. Angelaki

SP2.2  Neural coding of 3D rotational and translational motion: Convergence patterns of vestibular signals. D. E. Angelaki, J. D. Dickman

SP2.3  3-Dimensional Analysis of Responses of Vestibular Neurons to Translations and Rotations. B. W. Peterson, C. Chen-Huang

SP2.4  Characterization of vestibular nuclei afferents using transneuronal transport of pseudorabies virus. B. J. Jian, J. P. Card, A. Acerese, J. Lorenzo

SP2.5  Synaptic Inhibition Triggers Long Lasting Increases in Intrinsic Excitability of Vestibular Nucleus. A. Nelson, C. Krispel, C. Sekimjak, S. du Lac

SP2.6  Ca++-dependent K+ channels are required for rapid increases in VOR gain following vestibular damage. B. M. Faulstich, S. H. Moghadam, C. T. Bond, J. P. Adelman, S. du Lac

SP2.7  Vestibular Compensation: A Top-down Hypothesis. P. Vidal, M. Beraneck, A. Uno, N. Vibert

SP2.8  Acetyl-DL-Leucine Effects on Vestibular Neurons Explains its Efficacy During Vertigo Crises. N. Vibert, C. de Waele, P. Vidal

SP3.1  Vestibular Climbing Fibers Modulate Simple Spikes in Cerebellar Purkinje Cells. N. H. Barmack, V. Yakhnitsa

SP3.2  Optokinetic Stimulation Modifies Transcription of Two Gene Products in Floccular Purkinje Cells. Z. Qian, N. H. Barmack
SP3.3 Impaired Spatial Memory of Vestibular and Optokinetic Stimulation in Rabbits Following Nodulectomy. N. H. Barmack, V. Yakhnitsa, A. Ferrarese, P. Errico, V. E. Pettorossi, H. Fushiki

SP3.4 A VVOR deficit reveals combined bilateral vestibulopathy and cerebellar dysfunction. A. A. Migliaccio, G. M. Halmagyi, L. A. McGarvie, P. D. Cremer, L. B. Minor

SP3.5 Muscarine-induced enhancement of spontaneous EPSCs in Purkinje cells in the rat vestibulo-cerebellum. Y. Takayasu, M. Iino, S. Ozawa, N. Furuya

SP3.6 Changes in head-on-trunk position influence vestibular responses of fastigial nucleus neurons. J. F. Kleine, M. Hoshi, Y. F. Guan, U. Büttner

SP3.7 Gravity-Dependence of Ocular Drift in Patients With Cerebellar Downbeat Nystagmus. S. Marti, A. Palla, D. Straumann

SP3.8 Context dependent signal processing in the cerebellar flocculus and ventral paraflocculus during gaze saccades. Timothy Belton and Robert McCrea


SP4.1 Recovery of the high-acceleration vestibulo-ocular reflex after vestibular neuritis. A. Palla, D. Straumann

SP4.2 Normal Performance and The Expression of Learning in the Vestibuloocular reflex at High Frequencies. R. Ramachandran, S. G. Lisberger

SP4.3 Short-term adaptation of the VOR: role of non-retinal slip error signals and saccade substitution. N. de Pennington, D. Zee, M. Walker, M. Shelhamer

SP4.4 Adaptation of the Response to Head Heaves, Surges and Thrusts. M. Shelhamer, D. S. Zee, S. Ramat

SP4.5 An Investigation of the Angular Vestibuloocular Reflex at Very High Frequencies Using a Prosthesis. M. A. Saginaw, D. M. Merfeld, W. Gong

SP4.6 VOR Adaptation Reveals Signals Modulating Gain Control For Smooth Pursuit Eye Movements. M. R. Carey, S. G. Lisberger

SP4.7 Anticipatory VOR suppression in humans during repeated cued head movements. G. R. Barnes, G. D. Paige

SP4.8 Total Sleep Deprivation Can Increase Vestibulo-Occular Responses. G. Quarck, O. Etard, P. Denise

SP4.9 Binocular Asymmetries in the Vestibulo-Occular Reflex (VOR). G. C. Y. Peng, D. S. Zee

SP4.10 Plasticity of the Horizontal Angular Vestibulo-ocular Reflex During High-Acceleration Head Rotations. L. B. Minor, D. M. Lasker, R. A. Clendaniel


SP4.12 Three Dimensional Orienting Eye Movements During Translation While Rotating (TWR) in the Monkey. X. Zhang, S. Yakushin, D. Ogorodnikov, B. Cohen, T. Raphan

SP5.1 Vestibular influences on locomotion: walking versus running. K. Jahn, M. Strupp, E. Schneider, T. Brandt

SP5.2 Kinematics of Head Posture during Galloping Locomotion in Erythrocebus patas. J. S. Sipla

SP5.3 Podokinetic stabilisation of body orientation in space on a rotating platform in the dark. W. Becker, S. Raab, R. Jürgens

SP5.4 Fusion of Vestibular, Optokinetic and Podokinesthetic Information During Rotations Towards Instructed Targets. R. Jürgens, W. Becker, V. Dickmann, G. Nasios

SP5.5 The importance of vestibular information for postural control depends on velocity of surface tilt. J. Kluzik, F. Hlavacka, F. B. Horak

SP5.6 Habituation to Galvanic Vestibular Stimulation Depends on Sensory Reweighting. M. Cenciarini, R. J. Peterka, F. B. Horak
SP5.7  Time Delay Compensation Mechanisms in the Human Postural Control System. K. D. Statler, R. J. Peterka
SP5.8  Rotations in a Vertebrate Setting: Group Theoretic Analysis of Vestibulocollic Projections. G. McCollum, R. Boyle
SP5.9  Neck but not mastoid vibration causes short latency EMG activation of lower leg postural muscles. M. Magnusson, G. Andersson, A. MÄrtensson, M. Karlberg
SP5.11 Ankle and hip joint kinematics affect neck muscle activation during whole-body rotation. D. Solomon, A. Jenkins, V. Kumar

SP6.1  The role of visual and vestibular cues in determining perceptual stability during head movement. P. Jäckl, L. R. Harris, M. Jenkin
SP6.2  The subjective visual horizontal and vertical in 65 patients after vestibular deafferentation. A. Hafström, P. Fransson, M. Karlberg, M. Magnusson
SP6.3  Translation Perception and its Relationship to Reflex Eye Movements. N. Au Yong, S. H. Seidman, G. D. Paige
SP6.4  Influences of vestibular and non-vestibular cues in the estimation of the subjective vertical. K. Jaggi-Schwarz, B. J. M. Hess
SP6.5  The effect of head position on illusory self-motion in artificial gravity. F. Mast, N. Newby and L.R. Young

SP7.1  Human Eye-Movement Responses to Galvanic Vestibular Stimulation are Linear, Symmetrical and Additive. H. G. MacDougall, A. E. Brizuela, I. S. Curthoys
SP7.2  Predicting Superior Colliculus Spike Trains For Strongly Perturbed Saccades. J. Goossens, J. Van Opstal
SP7.3  Demodulation Techniques For The Analysis Of Eye Movements. B. Razavi, S. H. Seidman
SP7.4  Meniere's disease patients have abnormalities of vergence. J. E. Bos, P. Eric Vente, M. P. M. ten Tusscher
SP7.5  Dynamic Bielschowsky Head-Tilt Test. K. P. Weber, A. Palla, K. Landau, D. Straumann
SP7.6  3D coordinates of visually guided saccades and smooth pursuit eye movements depend on gravity. B.J.M. Hess, D.E. Angelaki

SP8.1  Modelling predictive processes of gaze control during head-fixed and head-free pursuit. G. R. Barnes
SP8.2  A physiologically-based computational model of horizontal vestibular nystagmus using GENESIS. A. D. Cartwright, D. P. Gilchrist, A. M. Burgess, I. S. Curthoys
SP8.3  A linear, steady state model of canal-otolith interaction in the VOR predicts ambulation performance. B. T. Crane, J. L. Demer
SP8.4  A Gaze Control Hypothesis: Head-Eye Interactions Account for Observed Kinematics. E. G. Freedman
SP8.5  Modelling gravity-induced changes in position and orientation of Listing's plane. S. Glasauer, E. Schneider, U. Büttner, T. Brandt
SP8.6  A Model of Efferent-Mediated Limit-Cycle Behavior. J. M. Goldberg, M. Plotnik, V. Marlinski
SP8.7  A model to explore the relationship between tilt/translation discrimination and velocity storage. A. M. Green, D. E. Angelaki
SP8.8  Modelling the orientation and gain of the Vestibulo-Ocular Reflex as the output of three channels. L. R. Harris, K. Beykirch, M. Fetter
SP8.9  A Dynamic Model for the Vertical VOR, OKR and Visual-vestibular Interactions in the Primate. Y. Hirata, S. M. Highstein
SP8.10 Constraints imposed on a predictive model of gaze shifts by adaptive changes observed following canal plugging. L. Ling, R. Soetedjo, S. Newlands, C. Siebold, J.O. Phillips, A.F. Fuchs
SP8.12  Modeling of the Horizontal Angular VOR Evoked by High-Acceleration Rotations in the Squirrel Monkey.  L. B. Minor, D. M. Lasker

SP8.13  Biophysical basis of Spike Frequency Modulation.  L. E. Moore, N. Vibert, P. Vidal


SP8.15  Model for Identification of the Vestibular Contribution to Human Postural Control.  R. J. Peterka

SP8.16  Biomechanical Models of the Semicircular Canals.  R. D. Rabbitt, S. M. Rajguru

SP8.17  During Gaze Shifts, Brainstem Saccadic Neurons are Modulated in Real-Time by Head Movement Signals.  P. A. Sylvestre, H. L. Galiana, K. E. Cullen


SP8.19  Modeling the relation between head orientation, head movement and otolith responses in humans.  T. Haslwanter, R. Jaeger