

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. Acerone, J. Lorenzo
- SP2.5 Synaptic Inhibition Triggers Long Lasting Increases in Intrinsic Excitability of Vestibular Nucleus.** A. Nelson, C. Krispel, C. Sekirnjak, 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
- SP3.9 Eye-, head- and gaze-movement during horizontal and vertical gaze pursuit in SCA6.** N. Takeichi, B. W. Peterson, H. Sasaki, I. Yabe, K. Tashiro, T. Tsubuku, S. Fukuda, J. Fukushima, K. Fukushima
- 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-Ocular Responses.** G. Quarck, O. Etard, P. Denise
- SP4.9 Binocular Asymmetries in the Vestibulo-Ocular 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
- SP4.11 Modeling Contributions of the Linear Vestibulo-ocular Reflex During Off-Vertical Axis Rotation (OVAR).** M. Kunin, K. Kushiro, S. Yakushin,,, M Dai, B. Cohen, T. Raphan
- 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. Diekmann, 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. MÅrtensson, M. Karlberg
- SP5.10 The Influence of Head Position on Postural Sway During Galvanic Vestibular Stimulation.** D. M. Wrisley, P. J. Sparto, S. L. Whitney, M. S. Redfern, J. M. Furman
- 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. Jaekl, 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
- SP8.11 Modeling Tilt and Translation Responses in Humans Using Observer Theory.** D. M. Merfeld, L. H. Zupan

- 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
- SP8.14 Neck Reflex Stabilization in a Three-Dimensional Head Model.** G. C. Y. Peng, M. Armand, D. S. Zee
- 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
- SP8.18 A Model of the Influence of Canal, Otolith and Visual Cues on Spatial Orientation and Eye Movements.** L. H. Zupan, D. M. Merfeld, C. Darlot
- SP8.19 Modeling the relation between head orientation, head movement and otolith responses in humans.** T. Haslwanter, R. Jaeger