

iNAV 2026 Data Blitz Talks

Name of presenting author	Talk title	Session of presenting
Xiaoli Chen	Coexistence of cue-specific and cue-independent spatial representations in human retrosplenial cortex	Session 1, July 7
Sofyan Alyan	Oscillatory Flight Behavior, Landscape Complexity and the Learning of Hippocampal-dependent Visual Landmark Maps in Homing Pigeons	Session 1, July 7
Saikat Ray	Hippocampal coding during real world navigation in bats flying on a remote island	Session 1, July 7
Stephanie Theves	Relational mapping in the hippocampal-cortical system relates to intelligence	Session 1, July 7
Jeffrey Stott	Eye movement signals dominate a canonical input to the head direction compass	Session 1, July 7
Guifen Chen	Experience-dependent maturation of the spatial representation in adult mice	Session 1, July 7
Marta Rodríguez Aramendía	Egocentric anchoring-and-adjustment influences social and spatial perspective-taking	Session 1, July 7
Christian Doeller	Clover-like object vector representations support human spatial cognition	Session 1, July 7
Sun Terletskey-Tsruya	Lost in Translation: Ego-Allo Reference Frame Transformation is Distinct from Allo-Ego Translation	Session 1, July 7
Neil Burgess	Hippocampal theta sweeps indicate goal direction during navigation	Session 1, July 7
Hannah Wirtshafter	Hippocampal conditioning code dominates and disrupts the place code	Session 2, July 8
Yi Gu	Slow synaptic plasticity from the hippocampus underlies gradual mapping and fragmentation of novel spaces by grid cells	Session 2, July 8
Emily Xu	Spatial periodicity of firing in retrosplenial cortex follows path shape and sub-structure	Session 2, July 8
Cara Oster	Human Path Integration Benefits from Global Cardinal Axes in Virtual Environments	Session 2, July 8
Anna Gillespie	The impacts of age on place cell sequences during movement and replay	Session 2, July 8
Mihoby Razafinimanana	Allocentric Spatial Representations Distinguish Human and Macaque Virtual Navigation	Session 2, July 8
Deetje Iggena	Temporal trajectories of spatial representations following a navigational episode	Session 2, July 8
Yangwen Xu	Neural Dissociation of Cognitive Maps and Graphs in the Human Brain	Session 2, July 8
Hyebin Yu	Early Linking Stabilizes Global Heading across Environmental Boundaries	Session 2, July 8
Daniel Yusufi	Flexible and stable entorhinal representations jointly support spatial memory	Session 2, July 8
Jonathan Whitlock	Active pursuit gates egocentric coding in the retrosplenial cortex	Session 2, July 8
Yinqi Huang	The Dynamics of Control in Angular Path Integration	Session 2, July 8
Pascal Malkemper	In the dark: Hippocampal representations of space in a strictly subterranean mammal	Session 2, July 8
James Moultrie	100 Minds in Motion	Session 3, July 10
Marcia Becu	Egocentric Goal Direction Coding in the Human Hippocampus	Session 3, July 10
Alexander Eperon	Cross-context rotation of visuospatial action representations in the human entorhinal cortex	Session 3, July 10
Gerard Callau Navarro	Extra-entorhinal microstructure predicts entorhinal grid-like coding in healthy aging	Session 3, July 10
Sarah Creem-Regehr	Multisensory Cue Use During Navigation Under Simulated Peripheral Visual Field Loss	Session 3, July 10
Maria Ahmad	Oceanic navigation studied in a research voyage in the Marshall Islands	Session 3, July 10
Lucas Randt	A Robust Population Code for Egocentric Space in Mouse Posterior Parietal Cortex	Session 3, July 10
Juliette Dupertuys	Cognitive and behavioural correlates of GPS use in varying navigation contexts	Session 3, July 10
Eldrick Galang	Encoding of Invariant Path Motifs and Schematic Features in the Subiculum on the 12-arm Radial Maze	Session 3, July 10
Andy Alexander	Cortical circuits support predictive pursuit of moving targets	Session 3, July 10
Cassandra Engstrom	How do people search a large-scale space?	Session 3, July 10
Weijia Zhang	Human Single Neurons and Predictive Models Remap Differently in Reward and Transition Spatial Relearning	Session 3, July 10
Sang-Eon Park	Age-related decrease in hippocampal theta power induces boundary-dependent spatial memory decline: Human intracranial EEG study	Session 3, July 10