Stanford



Ivan Raikov

Research Engineer, Neurosurgery

Bio

ACADEMIC APPOINTMENTS

- Research Engineer, Neurosurgery

LINKS

- Soltesz Lab: http://www.solteszlab.com

Publications

PUBLICATIONS

- **The EMBER Trial: A Hybrid Type 1 Randomized Clinical Trial of a Self-Guided Motivational Tool to Engage Veterans in Weight Management.** *Journal of general internal medicine*
  Breland, J. Y., Frayne, S. M., Raikov, I., Shanahan, B. T., Maguen, S., Timko, C., Fletcher, T. L.
  2026

- **Considerations for Risk Stratification in Hot Spotter Programs-Reply to Singh and Srivastav.** *Medical care*
  Blonigen, D. M., Macia, K. S., Raikov, I., Yoon, J., Weber, J.
  2026

- **Do we really know how many veterans have cancer in the Veterans Health Administration?**
  Phibbs, C., Singh, N., Trivedi, R., Raikov, I., Turner, C., Helenihi, T.
  LIPPINCOTT WILLIAMS & WILKINS.2026: e13745

- **Dentate gyrus interneurons modulate winner-take-all network dynamics in freely behaving mice.** *Neuron*
  Hainmueller, T., Heynold, E. A., Paleologos, N., Raikov, I. G., Soltesz, I., Buzsáki, G.
  2026

- **Risk for Acute Care Utilization in Housing-Insecure Adults: A National Study of a Hot Spotter Program in the US Veterans Health Administration.** *Medical care*
  Blonigen, D. M., Macia, K. S., Raikov, I., Yoon, J., Weber, J.
  2026

- **Inhibitory plasticity supports replay generalization in the hippocampus.** *Nature neuroscience*
  Liao, Z., Terada, S., Raikov, I. G., Hadjiabadi, D., Szoboszlay, M., Soltesz, I., Losonczy, A.
  2024

- **A PRIMER ON CHALLENGING THE "SECOND-CLASS CITIZEN" TREATMENT OF NATIVE HAWAIIAN/PACIFIC ISLANDER VETERANS WITH CANCER**
  Singh, N., Jain, A., Kaushik, S., Raikov, I., de Moraes, O., Helenihi, T., Giannitrapani, K., Lorenz, K., Trivedi, R.
  OXFORD UNIV PRESS INC.2024: S113

- **Behavioral weight management use in the Veterans Health Administration: Sociodemographic and health correlates.** *Eating behaviors*

Breland, J. Y., Raikov, I., Hoggatt, K. J., Phibbs, C. S., Maguen, S., Timko, C., Saechao, F., Frayne, S. M.
2024; 53: 101864

- **LoCS-Net: Localizing convolutional spiking neural network for fast visual place recognition.** *Frontiers in neurorobotics*
  Akcal, U., Raikov, I. G., Gribkova, E. D., Choudhuri, A., Kim, S. H., Gazzola, M., Gillette, R., Soltesz, I., Chowdhary, G.
  2024; 18: 1490267
- **The EMBER trial for weight management engagement: A hybrid type 1 randomized controlled trial protocol.** *Contemporary clinical trials*
  Breland, J. Y., Fletcher, T. L., Maguen, S., Timko, C., Raikov, I., Boothroyd, D. B., Frayne, S. M.
  2023: 107364
- **Hidden behavioral fingerprints in epilepsy.** *Neuron*
  Gschwind, T., Zeine, A., Raikov, I., Markowitz, J. E., Gillis, W. F., Felong, S., Isom, L. L., Datta, S. R., Soltesz, I.
  2023
- **Peer support and whole health coaching to address the healthcare needs of homeless veterans: a pilot study.** *BMC primary care*
  Blonigen, D., Smelson, D., Smith, J., Baldwin, N., McInnes, D. K., Raikov, I., Weber, J., Hyde, J.
  2022; 23 (1): 331
- **Epistemic Autonomy: Self-supervised Learning in the Mammalian Hippocampus.** *Trends in cognitive sciences*
  Santos-Pata, D., Amil, A. F., Raikov, I. G., Renno-Costa, C., Mura, A., Soltesz, I., Verschure, P. F.
  2021
- **Entorhinal mismatch: A model of self-supervised learning in the hippocampus.** *iScience*
  Santos-Pata, D., Amil, A. F., Raikov, I. G., Renno-Costa, C., Mura, A., Soltesz, I., Verschure, P. F.
  2021; 24 (4): 102364
- **Maximally selective single-cell target for circuit control in epilepsy models.** *Neuron*
  Hadjiabadi, D., Lovett-Barron, M., Raikov, I. G., Sparks, F. T., Liao, Z., Baraban, S. C., Leskovec, J., Losonczy, A., Deisseroth, K., Soltesz, I.
  2021
- **Data-Driven Modeling of Normal and Pathological Oscillations in the Hippocampus** *MULTISCALE MODELS OF BRAIN DISORDERS*
  Raikov, I., Soltesz, I.
  edited by Cutsuridis
  2019; 13: 185–92
- **Spatiotemporal network coding of physiological mossy fiber inputs by the cerebellar granular layer** *PLOS COMPUTATIONAL BIOLOGY*
  Sudhakar, S., Hong, S., Raikov, I., Publio, R., Lang, C., Close, T., Guo, D., Negrello, M., De Schutter, E.
  2017; 13 (9): e1005754
- **Network Models of Epilepsy-Related Pathological Structural and Functional Alterations in the Dentate Gyrus** *REWIRING BRAIN: A COMPUTATIONAL APPROACH TO STRUCTURAL PLASTICITY IN THE ADULT BRAIN*
  Raikov, I., Plitt, M., Soltesz, I.
  edited by VanOoyen, A., ButzOstendorf, M.
  2017: 485–503
- **Interneuronal mechanisms of hippocampal theta oscillations in a full-scale model of the rodent CA1 circuit.** *eLife*
  Bezaire, M. J., Raikov, I., Burk, K., Vyas, D., Soltesz, I.
  2016; 5