

November 26, 2018

home
references
wiki
blog
journal club



Sam Lewallen

-
-
-

`slewallen@fas.harvard.edu`

Click [HERE](#)

for MIT/Harvard computational
neuroscience journal club

0.1 About

I'm a theoretical neuroscientist, with a background in pure mathematics. I'm currently a Swartz fellow at Harvard University in the Center for Brain Science.

0.2 Publications

Probing variability in a cognitive map using manifold inference from neural dynamics
Ryan J Low*, Sam Lewallen*, Dmitriy Aronov, Rhino Nevers, David W Tank (2018).
bioRxiv.

-
-

A map-like micro-organization of grid cells in the medial entorhinal cortex
Yi Gu, Sam Lewallen, Amina A Kinkhabwala, Cristina Domnisoru, Kijung Yoon, Jeffrey L Gauthier, Ila R Fiete, David W Tank (2018). *Cell*.

-
-

Grid cell responses in 1D environments assessed as slices through a 2D lattice
KiJung Yoon*, Sam Lewallen*, Amina A Kinkhabwala, David W Tank, Ila R Fiete (2016). *Neuron*.

-
-

Stimulus-dependent correlations in threshold-crossing spiking neurons
Yoram Burak, Sam Lewallen, Haim Sompolsky (2009). *Neural Computation*.

-
-
-

(1,1) L-space knots

Joshua Evan Greene, Sam Lewallen, Faramarz Vafaee** (2018). *Compositio Mathematica*.

-
-
-

Strong L-spaces and left orderability

Adam Simon Levine, Sam Lewallen** (2012). *Mathematical Research Letters*.

-
-
-

* Joint first authors

** Authors in alphabetical order

0.3 Theses

Floergåsbord

Phd thesis

-

The volume conjecture

Undergraduate thesis

-