

ramanujan srinath

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POSITIONS	CNBC, University of Pittsburgh	2020–now
	Post-doctoral Fellow, Cohen Lab	
	Mind/Brain Institute, Johns Hopkins University	2019–20
	Post-doctoral Fellow, Nielsen and Connor Labs	
	Center for Neuroscience, Indian Institute of Science	2012–13
	Project Assistant, Ray Lab	
	Philips Healthcare	2011–12
	Software Engineer	
INTERNSHIPS	Project Intern, Honeywell Technology Solutions Lab	2011
	Industrial Trainee, Bharat Electronics Ltd.	2010
	Intern, Manipal Dot Net Ltd.	2009–10
	Industrial Trainee, Tata Communications Ltd.	2009
EDUCATION	PhD, Neuroscience, Johns Hopkins University	2013–19
	Solid Shape Representation in Area V4, Nielsen and Connor Labs	
	Bachelor of Engineering, Manipal Institute of Technology	2007–11
	Electronics and Communication	
GRANTS AND AWARDS	Life Sciences Research Fellowship (Finalist)	2021
	Manipal University Merit Fellowship (100% tuition waiver)	2007–11
	Erose Educational Infotech Merit Scholarship (cash award)	2002–06

PUBLICATIONS

In Prep (writing) **Srinath***, Vistein*, Daniels, Oshins, Osikpa, Garalde, and Nielsen. Considerations for functional imaging in ferrets using chronic two-photon microscopy. (* = equal contribution)

(pre-submission) **Srinath** and Connor. Rapid emergence of 3D shape based on color/luminance segregation across biological and artificial networks.

(pre-submission) Emonds, **Srinath**, Nielsen, Connor. A Neural Basis for Rotationally Stable Vision.

(doing follow-up experiments) **Srinath**, Emonds, Osikpa, Connor, Nielsen. Segregated laminar processing of 3D shape information in V4.

Peer Reviewed **Srinath, R.**, Ruff, D.A., and Cohen, M.R. (2021b). Attention improves information flow between neuronal populations without changing the communication subspace, *Current Biology* (2021), <https://doi.org/10.1016/j.cub.2021.09.076>

Srinath, R., Emonds, A., Wang, Q., Lempel, A.A., Dunn-Weiss, E., Connor, C.E., and Nielsen, K.J. (2021). Early Emergence of Solid Shape Coding in Natural and Deep Network Vision. *Curr. Biol.* 31, 51–65.e5.

Srinath, R., and Ray, S. (2014). Effect of amplitude correlations on coherence in the local field potential. *J. Neurophysiol.* 112, 741–751.

TALKS	Simons Collaboration on the Global Brain	2021
	Computational and Systems Neuroscience (CoSyNe)	2021
	Kanwisher lab, MIT	2021
	Cohen lab, UPitt/CMU	2019
	Friewald lab, Rockefeller University	2019
	Tsao lab, Caltech	2019
	Kiani lab, NYU	2019
	Bonner lab, Johns Hopkins	2019
	Yuille lab, Johns Hopkins	2018
	ECE seminar, Manipal University	2011
POSTERS	SfN: A gravitational reference frame for stable vision across head tilt	2020
	*SfN: Solid shape representation in biological and artificial vision	2019
	*Greater Baltimore SfN: Local clustering of 3D shape preference in area V4	2018
	*SfN: Clustering of 3D and 2D shape information in area V4	2018
	*Ferret Conference: GCaMP6f nonlinearity using two-photon imaging	2017
	*SfN: 2D planar vs. 3D volumetric shape processing in area V4	2017
	*Greater Baltimore SfN: GCaMP6f nonlinearity using two-photon imaging	2015
	*SfN: Characterizing GCaMP6f nonlinearity using two-photon imaging of ferret V1	2015
	*JHU Neuroscience Retreat	2014-19
	(* = <i>presenting author</i>)	
TEACHING	Teaching Assistant	
	Great Discoveries in Neuroscience, Dr. Jay Baraban	2016/2018
	Visual Systems, Dr. Stuart Hendry	2016
	Structure of the Nervous System, Dr. Stuart Hendry	2014
	Lectures	
	Neuroscience of Communication, Dr. Leah B. Helou	2021
MENTORSHIP	<i>Graduate students</i>	
	Cohen lab, UPitt - Christian Potter (rotation)	2020-21
	Connor lab, JHU - Qingyang Wang, Allen Chen, Yaqing Ye	2018-20
	<i>Undergraduate students</i>	
	Cohen lab, UPitt - Neha Murthy	2021-22
	Connor lab, JHU - Lydia Carroll, Kevin Peng	2013-15
PROFESSIONAL	<i>Ad-Hoc Peer Review</i>	

SERVICE	Neuron*, Journal of Neurophysiology*, Simons Foundation (* = <i>with PI</i>)	
	<i>Membership</i>	
	Society for Neuroscience	2014-20
	American Physiological Society	2012-15
	International Chair, University of Pittsburgh Postdoctoral Association	2021-22
	Placement officer, ECE	2010-11
	Founder and convener, OpenMicMIT	2009-10
OUTREACH	Skype-a-Scientist	2020-21
	Emily L. Harris, James Clemens High School	
	Mary-Beth Kretz, Toms River High School East	
	Adrienne Atkins, STEMsational Girls Club Foundation	
	Dupont India Whitepaper Challenge	2005
OTHER	Genetically Modified Foods: Gold Certificate	
	Lead actor, Fall MainStage Productions, JHU Barnstormers	2013-15
	Lead actor, Assorted Productions, Dramanon, Manipal	2009-11
	National Cadet Corp	2001-03
	Classical Carnatic violinist	2003-09