

ramanujan srinath

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POSITIONS	Post-doctoral Scholar, Cohen Lab, Neuroscience Institute, University of Chicago	2022–now
	Post-doctoral Associate, Cohen Lab, CNBC, University of Pittsburgh	2020–22
	Post-doctoral Fellow, Nielsen and Connor Labs, Johns Hopkins University	2019–20
	Project Assistant, Ray Lab, Center for Neuroscience, Indian Institute of Science	2012–13
	Software Engineer, Philips Healthcare	2011–12
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
	<i>Solid Shape Representation in Area V4</i> , Nielsen and Connor Labs	
	Bachelor of Engineering, Manipal Institute of Technology	2007–11
	Electronics and Communication	
GRANTS AND AWARDS	Outstanding Scholars in Neuroscience Award (NIH-OSNAP)	2022
	Life Sciences Research Fellowship (Finalist)	2022
	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

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. (2021a). 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.

Pre-prints under review Emonds, A.M.X., **Srinath, R.**, Nielsen, K.J., and Connor, C.E. (2022). Object representation in a gravitational reference frame. 2022.08.06.503060. <https://doi.org/10.1101/2022.08.06.503060>.

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

(writing) **Srinath**, Nielsen, Connor. Rapid emergence of 3D shape based on color/luminance segregation across biological and artificial networks.

TALKS	<i>Postdoc work:</i> OSNAP Symposium	2022
	<i>Postdoc work:</i> Simons Collaboration on the Global Brain Symposium	2021
	<i>Postdoc work:</i> Computational and Systems Neuroscience (CoSyNe)	2021
	<i>PhD work:</i> Kanwisher lab, MIT	2021
	<i>Postdoc interview:</i> Cohen lab, UPitt/CMU	2019
	<i>Postdoc interview:</i> Friewald lab, Rockefeller University	2019
	<i>Postdoc interview:</i> Tsao lab, Caltech	2019
	<i>Postdoc interview:</i> Kiani lab, NYU	2019
	<i>PhD work:</i> Bonner lab, Johns Hopkins	2019
	<i>PhD work:</i> Yuille lab, Johns Hopkins	2018
	<i>Undergrad:</i> Electronics and Communication seminar, Manipal University	2011
POSTERS	*CRCNS, Atlanta: <i>Neural basis of flexible generalization in perceptual decision making</i>	2022
	*University of Chicago Neuroscience Institute Retreat <i>Neural basis of flexible generalization in perceptual decision making</i>	2022
	*Gordon Research Conference: Neurobiology of Cognition <i>Neural basis of flexible generalization in perceptual decision making</i>	2022
	Simons Foundation Symposium: <i>Abstract shape encoding guides choice behavior in humans and artificial neural networks</i>	2022
	SfN: <i>A gravitational reference frame for stable vision across head tilt</i>	2020
	*SfN: <i>Solid shape representation in biological and artificial vision</i>	2019
	*Greater Baltimore SfN: <i>Local clustering of 3D shape preference in area V4</i>	2018
	*SfN: <i>Clustering of 3D and 2D shape information in area V4</i>	2018
	*SfN Ferret Conference: <i>GCaMP6f nonlinearity using two-photon imaging</i>	2017
	*SfN: <i>2D planar vs. 3D volumetric shape processing in area V4</i>	2017
	*Greater Baltimore SfN: <i>GCaMP6f nonlinearity using two-photon imaging</i>	2015
	*SfN: <i>Characterizing GCaMP6f nonlinearity using two-photon imaging of ferret V1</i>	2015
	*JHU Neuroscience Retreat	2014-19
	(* = presenting author)	
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
	Object and scene representation in primate vision, Dr. Stuart Hendry	2016

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, UChicago - Amelia Orwant	2022-23
	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 (* = with PI)	
	<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
	Genetically Modified Foods: Gold Certificate	
OTHER	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