

Bharath Chandra Talluri

Cognitive Neuroscientist
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Academic Positions

2020-21 Postdoctoral fellow, **University Medical Center Hamburg-Eppendorf**, Germany
with: Tobias H. Donner

Education

2015-21 Ph.D. *summa cum laude*, **University Medical Center Hamburg-Eppendorf**, Germany
Advisor: Tobias H. Donner

2012-13 M.Sc. in Cognitive Science, **University of Edinburgh**, UK
Master's thesis supervised by: James Bednar

2008-12 B.Tech. in Electrical Engineering, **Indian Institute of Technology (I.I.T) Roorkee**, India
Bachelor's thesis supervised by: Gopinath Pillai

Awards & Honors

2019-20 Postdoc transition grant, Deanery for Research, University Medical Center Hamburg-Eppendorf
2019 People's Choice award, Three Minute Thesis (3MT) competition, Hamburg Research Academy
2019 Travel grant, eScience Institute, University of Washington in Seattle, USA
2018 Travel award, German Neuroscience Society
2016 Travel grant, Boehringer Ingelheim Fonds foundation for basic research in medicine
2015 Travel award, Ecole des Neurosciences Paris Ile-de-France
2011-12 Member in the Board of studies, I.I.T Roorkee
2010-11 Student Affairs Council award, I.I.T Roorkee
2009-10 Merit-cum-Means scholarship, I.I.T Roorkee
2008-12 A.P.P. Meritorious scholarship, India
2008-09 T.I.M.E scholarship for best performance in entrance examination, India
2008 All India Rank 965 (99.7 percentile) in the Indian Institutes of Technology Joint Entrance Examination

Research

Research Interests

Perceptual Decision-Making, Computational Modelling, Computational Neuroimaging (fMRI, MEG)

Research Visits

2019 & 2016 Guest Scientist, Prof. John-Dylan Haynes' lab, Berlin Center for Advanced Neuroimaging
2014-15 Research Intern, Prof. Stefan Treue's lab, German Primate Center, Goettingen
2012-13 Research Assistant, Institute of Perception, Action & Behaviour, University of Edinburgh
2011 Research Intern, Prof. Robert Fisher's lab, School of Informatics, University of Edinburgh

Original Articles

- **Talluri, B. C.**, Urai, A. E., Bronfman, Z. Z., Brezis, N., Tsetsos, K., Usher, M., Donner, T. H. (2021). Choices change the temporal weighting of decision evidence. *Journal of Neurophysiology*. 125(4), 1468-1481. doi: 10.1152/jn.00462.2020.
- **Talluri, B. C.***, Urai, A. E.*, Tsetsos, K., Usher, M., Donner, T. H. (2018). Confirmation bias through selective overweighting of choice-consistent evidence. *Current Biology*. 28(19), 3128-3135. doi: 10.1016/j.cub.2018.07.052.
- **Talluri, B. C.**, Hung, S.-C., Seitz A. R., Seriès, P. (2015). Confidence-based integrated reweighting model of task-difficulty explains location-based specificity in perceptual learning. *Journal of Vision*. 15(10):17, 1-12. doi: 10.1167/15.10.17.

* equal contribution

Commentaries

- **Talluri, B. C.**, Braun, A, Donner, T. H. (2021). Decision making: How the past guides the future in frontal cortex. *Current Biology*. 31(6), R303-R306. doi: 10.1016/j.cub.2021.01.020.
- **Talluri, B. C.**, Urai, A. E., Donner, T. H. (2019). Our own choices generate biases for subsequent decisions. *The Science Breaker*. doi: 10.25250/thescbr.brk203.

Conference Abstracts

- Esnaola-Acebes, J. M., **Talluri, B. C.**, Donner, T., Roxin, A., Wimmer, K. (2020). Post-decision biases in a neural network model of stimulus estimation and categorization. *Bernstein Conference 2020*. doi: 10.12751/nncn.bc2020.0046.
- Esnaola-Acebes, J. M., **Talluri, B. C.**, Donner, T. H., Roxin, A., Wimmer, K. (2019). Neural network mechanisms underlying Confirmation bias in stimulus estimation. *Conference on Cognitive Computational Neuroscience (CCN) at Berlin, Germany*. doi: 10.32470/CCN.2019.1209-010.
- Esnaola-Acebes, J. M., Roxin, A., Wimmer, K., **Talluri, B. C.**, Donner, T. H. (2019). Stimulus integration and categorization with bump attractor dynamics. *Annual Computational Neuroscience Meeting (CNS) at Barcelona, Spain*.
- **Talluri, B. C.***, Urai, A. E.*, Tsetsos, K., Usher, M., Donner, T. H. (2018). Confirmation bias in continuous decisions: Giving more weight to choice-consistent evidence. Poster presented at FENS Forum (*with travel award*) at Berlin, Germany.
- **Talluri, B. C.***, Urai, A. E.*, Tsetsos, K., Bronfman, Z. Z., Brezis, N., Usher, M., Donner, T. H. (2017). Intermittent overt choice alters the temporal weighting of sensory evidence in a continuous visual estimation task. Poster presented at European Conference on Visual Perception at Berlin, Germany.
- Rudiger, P., Stevens, J.-L., **Talluri, B. C.**, Perrinet, L., Bednar, J. (2014). Relationship between natural image statistics and lateral connectivity in the primary visual cortex. *Cosyne Abstracts at Salt Lake city, USA*.

Other Documents

- Papadimitriou, G., Fisher, R., Shillcock, R., **Talluri, B. C.** (2013). Psychophysics of autostereogram videos: Contrast, Repetition, Blur and Colour, *unpublished manuscript*.

Talks

- 2020 Seriès lab, School of Informatics, University of Edinburgh, UK [virtual]
- 2020 Laboratory of Sensorimotor Research, National Eye Institute, NIH, USA [virtual]
- 2020 Short talk at Monsoon Brain Meeting [virtual]
- 2019 Gold Lab, University of Pennsylvania, Philadelphia, USA
- 2019 Garrett group, Max Planck Institute for Human Development, Berlin, Germany
- 2018 de la Rocha lab, Institut D'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain
- 2016 Department of Electrical Engineering, I.I.T Roorkee, India
- 2015 Glaescher lab, University Medical Center Hamburg-Eppendorf, Germany
- 2015 Forstmann lab, University of Amsterdam, The Netherlands

Professional Development

- 2020 Brains, Minds and Machines virtual summer course
- 2019 Neurohackademy (*participation with travel grant*), University of Washington in Seattle, USA
- 2016 Workshop on network modelling using the Virtual Brain, University Medical Center Hamburg-Eppendorf
- 2015 Workshop on analysis and modulation of brain networks, University Medical Center Hamburg-Eppendorf
- 2015 Summer school on computational approaches to Memory and Plasticity, National Center for Biological sciences at Bangalore, India

Professional Service

- Reviewer Scientific Reports, PLoS One, CCN abstracts
- Co-reviewer Current Biology, eLife
- Memberships German Neuroscience Society
- Outreach Regular speaker at Skype a Scientist

Non-Academic achievements

- 2012 Black belt (first dan), awarded by World Taekwondo Federation
- 2012 Administration Convener for Department of Electrical Engineering at Cognizance, the annual technical festival of I.I.T Roorkee
- 2011-12 Secretary, Himalayan Explorers' Club, I.I.T Roorkee
- 2010 Award of Excellence, Himalayan Explorers' Club, I.I.T Roorkee

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