Bharath Chandra Talluri

Postdoctoral Fellow
National Institutes of Health, Bethesda, USA

Cognitive Neuroscientist
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Academic Positions

2021-   Visiting fellow, Laboratory of Sensorimotor research, National Eye Institute, **National Institutes of Health**, Bethesda, USA
with: Hendrikje Nienborg

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

2022   Second place, Three Minute Talk (TmT) competition, National Eye Institute
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
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

Travel Awards

2019   eScience Institute, University of Washington in Seattle [participation in Neurohackademy]
2018   German Neuroscience Society [participation in FENS Forum]
2016   Boehringer Ingelheim Fonds foundation for basic research in medicine [3 month research visit to Berlin]
2015   School of Neuroscience (Ecole des Neurosciences) Paris

Research

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.***, Kang, I.*, Lazere, A., Quinn, K. R., Kaliss, N., Yates, J. L., Butts, D. A., Nienborg, H. (2022). Activity in primate visual cortex is minimally driven by spontaneous movements. bioRxiv. *doi: 10.1101/2022.09.08.507006.*

- **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.*

Selected Conference Abstracts

- Hall, H., Hassan, M.H.M.O., Verma, A., Dutta, B., Pattisapu, S., Sharma, V., **Talluri, B. C.** (2022). Asymmetric functional connectivity is not specific to reward-related task activity in OFC. Neuromatch Conference 2022. *doi: 10.57736/nmc-a47f-1ec1*

- Wimmer, K., **Talluri, B. C.**, Donner. T., Roxin, A., Esnaola-Acebes, J. M. (2022). Neural network mechanisms underlying post-decision biases. Cosyne 2022.

- 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.*

- **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.

- 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.

Talks

2021   Online symposium on Computational Neuroscience, University of Osnabrueck, Germany
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 Biomédiques 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

Teaching & Mentoring

2022   Project Mentor, Neuromatch Academy
2022   Journal club leader, NIH summer journal club on decision-making

Roles & Responsibilities

2022   Member of Organising Committee, National Eye Institute's 2022 Focus on Fellows event
2022-   Member of LSR Fellows council, NIH
2022   Judge at NIH Postbacc Poster day
2012   Administration Convener for Department of Electrical Engineering at Cognizance, the annual technical festival of I.I.T Roorkee
2011-12   Member in the Board of studies, I.I.T Roorkee
2011-12   Secretary, Himalayan Explorers' Club, I.I.T Roorkee

Professional Service

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

Non-Academic achievements

2012   Black belt (first dan), awarded by World Taekwondo Federation
2010   Award of Excellence, Himalayan Explorers' Club, I.I.T Roorkee

Last updated: December 5, 2022