

Bharath Chandra Talluri

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Born: January 26, 1990 at Vijayawada, India
Nationality: Indian

Education

- 2016-Current Ph.D. in Cognitive Neuroscience, **University Medical Center Hamburg-Eppendorf**, Germany
Thesis: Neurobiological basis of sequential bias in decision-making
Advisor: Tobias Donner
- 2012-13 M.Sc. in Cognitive Science, **University of Edinburgh**, UK
Thesis: Characterising the properties of natural and laboratory animal-rearing environments and investigating their impact on models of visual cortex development
Advisor: James Bednar
- 2008-12 B.Tech. in Electrical Engineering, **Indian Institute of Technology Roorkee**, India
Thesis: Autonomous path planning and control of a simulated wheeled mobile robot using feedback linearisation
Advisor: Gopinath Pillai

Research

Research Interests

Perceptual decision-making, Computational modelling, Computational Neuroimaging (fMRI, MEG), Metacognition

Research Visits

- 2016 Guest Scientist, Prof. John-Dylan Haynes' lab, Berlin Center for Advanced Neuroimaging, and Bernstein Center for Computational Neuroscience, Berlin
- 2014-15 Research Intern, Cognitive Neuroscience laboratory, German Primate Center, Goettingen
- 2012-13 Research Assistant, Institute of Perception, Action and Behaviour, University of Edinburgh
- 2011 Research Intern, Institute of Perception, Action and Behaviour, University of Edinburgh

Peer-Reviewed Journal Articles

- **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., Series, 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

Working Papers

- **Talluri, B. C.***, Urai, A. E.*, Tsetsos, K., Bronfman, Z. Z., Brezis, N., Usher, M., Donner, T. H. Intermittent choice alters the gain of sensory evidence for continuous judgment. *in preparation*.
- Poland, E.*, **Talluri, B. C.***, Glim, S., Eichelberger, B., Treue, S., Krishna, B. S. Slow eye movements reflect human decision-making about visual motion discrimination. *in preparation*.

Conference Abstracts

- **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. 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. 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*.

Training

Experimental Techniques: fMRI, Psychophysics using Pupillometry & Eye-tracking

Analysis Techniques: Computational Modelling of behaviour, Multivariate Pattern Analysis of fMRI data

Programming Languages: Matlab, Python, L^AT_EX, C++

Awards & Achievements

- 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 Member in the Board of studies, IIT Roorkee
- 2011 Student Affairs Council award, IIT Roorkee
- 2009 Merit-cum-Means scholarship, IIT Roorkee
- 2008 APP Meritorious scholarship, India
- 2008 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

Talks

- 2016 Department of Electrical Engineering, Indian Institute of Technology Roorkee, India
- 2015 Glaescher lab, University Medical Center Hamburg-Eppendorf, Germany
- 2015 Forstmann lab, University of Amsterdam, The Netherlands

Workshops & Meetings

- 2016 Workshop on network modelling using the Virtual Brain, University Medical Center Hamburg-Eppendorf, Germany
- 2015 Workshop on analysis and modulation of brain networks, University Medical Center Hamburg-Eppendorf, Germany
- 2015 Summer school on computational approaches to Memory and Plasticity, National Center for Biological sciences at Bangalore, India

Memberships

Federation of European Neuroscience Societies
German Neuroscience Society

Last updated: October 8, 2018