

Education

2020	M.Sc. Neuroscience , University of Freiburg, Germany
2017	B.Sc. Biochemistry , University of Delhi, India
2014	High School Diploma , India

Employment & Research Experience

05/20 -	Doctoral Student , University of Tübingen, Germany
07/19 - 08/19	Teaching Assistant , Department of Biology, University of Freiburg
02/19 - 04/19	MSc Intern , University Medical Center Freiburg
10/18 - 01/19	MSc Intern , Department of Biology, University of Freiburg
02/18 - 05/18	Research Assistant , Department of Biology, University of Freiburg
05/16 - 07/16	Summer Intern , Reckitt & Benckiser India Limited

Grants & Stipends

2019	Prof. Sabine Freifrau von Kleist Stiftung Travel Grant (738€ for ECVP)
2025	Start-Up Grant, Research Unit Modal and Amodal Cognition

Teaching

2021 - 25	Experimentelle Kognitionswissenschaft B (KOGM2210)
2021 - 22	Teamprojekt Psychologie (KOGM2110)

Other Relevant Experience

2016 - 17	Editorial Board, 'Catalysis' Magazine, University of Delhi
2025 - 26	Certificate Program in Science Communication, University of Tübingen

Skills

Methods	EEG, brain stimulation, motion capture
Programming	R, MATLAB, Python, LaTeX
Software	Microsoft Office
Languages	Hindi (native), English (C1), German (B1)

Peer-reviewed Publications

- **Bhatia, K.**, Osenberg, A., Janczyk, M., & Franz, V. H. (2025). Reviewing evidence for the perception-action model from Garner interference. *Journal of Experimental Psychology: Human Perception and Performance*, 51(2), 217–242. <https://doi.org/10.1037/xhp0001260>

- **Bhatia, K.***, Löwenkamp, C.*, & Franz, V. H. (2022). Grasping follows Weber's law: How to use response variability as a proxy to JND. *Journal of Vision*, 22(12), 13-13. <https://doi.org/10.1167/jov.22.12.13> (* equal contribution)
- Kornmeier, J., **Bhatia, K.**, & Joos, E. (2021) Top-down resolution of visual ambiguity – knowledge from the future or footprints from the past? *PLOS One* 16(10): e0258667. <https://doi.org/10.1371/journal.pone.0258667>
- Frase, L., Mertens, L., Krah, A., **Bhatia, K.**, Feige, B., Heinrich, S.P., Vestring, S., Nissen, C., Domschke, K., Bach, M., & Normann, C. (2021) Transcranial direct current stimulation induces long-term potentiation-like plasticity in the human visual cortex. *Transl Psychiatry* 11, 17. <https://doi.org/10.1038/s41398-020-01134-4>
- Joos, E., Giersch, A., **Bhatia, K.**, Heinrich, S.P., Tebartz van Elst, L., & Kornmeier, J. (2020) Using the perceptual past to predict the perceptual future influences the perceived present – A novel ERP paradigm. *PLOS One* 15(9): e0237663. <https://doi.org/10.1371/journal.pone.0237663>

Invited Talks

- **Bhatia, K.**, Osenberg, A., Janczyk, M., & Franz, V. H. (2023, September 8). Reviewing evidence for perception-action dissociations from Garner interference. Colloquium talk in the Attention & Perception Lab, University of Iowa, USA (via Zoom), host: Cathleen Moore.
- **Bhatia, K.**, Löwenkamp, C., & Franz, V. H. (2022, July 12). Grasping follows Weber's Law. Colloquium talk in the Neural Information Processing group, University of Tübingen, host: Felix Wichmann.

Conference Contributions

- **Bhatia, K.**, Huber, T., Osenberg, A., Janczyk, M., Schenk, T., & Franz, V. H. (2025, March 9-12). Can our Hands Discriminate Object Sizes Better Than our Eyes? [Poster presentation]. 67th Tagung experimentell arbeitender Psycholog:innen, Frankfurt am Main, Germany.
- **Bhatia, K.**, Osenberg, A., Janczyk, M., & Franz, V. H. (2024, August 25-29). Perception-Action Dissociations in the Garner Paradigm: Evaluating Evidence From Manual Size Estimation. [Conference presentation]. 46th European Conference on Visual Perception, Aberdeen, Scotland.
- **Bhatia, K.**, Osenberg, A., Janczyk, M., & Franz, V.H. (2024, May 15-17). Reviewing Evidence for Different Representations in Perception and Action. [Poster presentation]. 1st International Workshop on Modal and Amodal Cognition, Tübingen, Germany.
- **Bhatia, K.**, Osenberg, A., Janczyk, M., & Franz, V. H. (2024, March 17-20). Inducing Garner Effects in Manual Size Estimation. [Poster presentation]. 66th Tagung experimentell arbeitender Psycholog:innen, Regensburg, Germany.
- **Bhatia, K.**, Löwenkamp, C., & Franz, V. H. (2023, August 27-31). Grasping Follows Weber's Law. [Conference presentation]. 45th European Conference on Visual Perception, Paphos, Cyprus.
- **Bhatia, K.**, Osenberg, A., Eichfelder, L., Janczyk, M., & Franz, V. H. (2023, March 26-29). Are There Different Representations in Different Phases of an Action? [Poster presentation]. 65th Tagung experimentell arbeitender Psycholog:innen, Trier, Germany.

- **Bhatia, K.**, Janczyk, M., & Franz, V. H. (2022, August 28-September 1). Is There Garner Interference in Manual Estimation? [Poster presentation]. 44th European Conference on Visual Perception, Nijmegen, Netherlands.
- **Bhatia, K.**, Janczyk, M., & Franz, V. H. (2022, March 20-23). Reviewing evidence for different representations in perception and action. In K. M. Bausenhardt & N. Simi (Chairs), The Role of Modal and Amodal Representations in Cognitive Functions [Symposium]. 64th Tagung experimentell arbeitender Psycholog:innen, Cologne, Germany.
- **Bhatia, K.**, Janczyk, M., Franz, V.H. (2021, August 22-27). Is Garner Interference Valid Evidence for the Perception-Action Model? [Poster presentation]. 43rd European Conference on Visual Perception.
- Bhatia, K., Janczyk, M., & Franz, V. H. (2021, March 14-17). Garner effects with Modal and Amodal Stimuli. In K. M. Bausenhardt & B. Kaup (Chairs), Modal and Amodal Cognition: Functions and Interactions [Symposium]. 63rd Tagung experimentell arbeitender Psycholog:innen, Ulm, Germany.
- **Bhatia, K.**, Joos, E., Giersch, A., Heinrich, S.P., Tebartz van Elst, L., & Kornmeier, J. (2019, August 25-29) How Do Expectations Modulate Perception? [Poster presentation]. 42nd European Conference on Visual Perception, Leuven, Belgium.
- **Bhatia, K.**, Joos, E., Giersch, A., Heinrich, S.P., Tebartz van Elst, L., & Kornmeier, J. (2019, March 25-31) How Do Expectations Modulate Perception? [Conference presentation]. 1st International Interdisciplinary Computational Cognitive Science Spring School, Freiburg, Germany.