

# A M R I T P A L   S I N G H

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## EDUCATION & TRAINING

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### Rutgers University, New Brunswick, NJ

Postdoctoral Associate, Quantitative Development Lab (PI: Michelle Hurst)

2024 - Present

### Cornell University, Ithaca, NY

Ph.D., Developmental Psychology, Minor in Cognitive Science

2024

Dissertation title: *Cultural Foundations of Abstract Thought*

Committee: Daniel Casasanto (PI), Laurent Dubreuil, Felix Thoemmes, Qi Wang

M.A.

2021

### University of Chicago, Chicago, IL

Visiting Ph.D. Student, Dept. of Psychology

Summer 2019

### St. John's College, Annapolis, MD

B.A., Liberal Arts (Philosophy and History of Mathematics & Science)

2015

## AWARDS AND FUNDING

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*Cognitive Science @ Cornell Research Award* (internal research grant; \$1,000)

2023 – 2024

*Flora Rose Summer Fellowship* (internal fellowship; \$6,339)

2023

*Cognitive Science @ Cornell Travel Award* (internal travel grant)

2023

*Cognitive Science @ Cornell Research Award* (internal research grant; \$1,000)

2022 – 2023

*National Defense Science and Engineering Graduate Fellowship* (external fellowship; \$123,800)

2019 – 2022

*Travel Grant* to The 2<sup>nd</sup> Biennial Heterodoxy in Psychology Conference (external student travel grant)

2019

*Cognitive Science @ Cornell Travel Award* (internal travel grant; \$500)

2019

*Cornell Graduate School Travel Grant* (internal travel grant)

2019

*Cornell Graduate School Travel Grant* (internal travel grant)

2018

*Toni McBride Wellness Scholarship* (internal award)

2017

*Hodson Trust Internship Grant* (external funding for summer internship; \$4,000)

2015

Honorable Mention, Greek Translation Prize (St. John's College)

2015

*Hodson Trust Internship Grant* (external funding for summer internship) (\$3,600)

2014

*Hodson Trust Internship Grant* (external funding for summer internship) (\$3,200)

2013

*HERO Campaign Scholarship*

2011

*Absecon Lion's Club Scholarship*

2011

## JOURNAL PUBLICATIONS (\* student mentee co-author)

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- Singh, A., Su, S. \*, Ning, J.V. \*, & Casasanto, D. (Submitted). Abstract Cognition Across Cultures.
- Singh, A., & Casasanto, D. (Under Review). Do Ancient Philosophies Help Us Understand Modern Psychologies?
- Dudik, R. P., Berghea, C. T., Roberts, T. P., Grisé, F., Singh, A., Pagano, R., & Winter, L. M. (2016). Spitzer IRAC observations of IR excess in Holmberg IX X-1: A circumbinary disk or a variable jet? *The Astrophysical Journal*, 831(1), 88.
- Casasanto, D. & Singh, A. (In prep.). The geography of sport: The domain-specificity of cultural mindsets.
- Rosen, R., Staum Casasanto, L., Singh, A., & Casasanto, D. (In prep.). Is that a gun? Race, dialect, and violence stereotype.

## INVITED TALKS

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- Singh, A. (2024, April). *Abstract Cognition across Cultures*. Invited talk given to Quantitative Development Lab, Rutgers University, New Brunswick, USA.
- Singh, A. (2024, July). *Cognitive diversity in abstract thought: Cultural differences in event construal and analogical reasoning*. Invited talk given at Linguistic and Cognitive Science meet Diversity workshop, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.
- Singh, A., & Casasanto, D. (2022, May). *Do ancient philosophies help us understand modern psychologies?* Invited talk given at The Art and Science of Thinking: A Transdisciplinary Workshop, Cornell University, Ithaca, USA.
- Singh, A. (2021, December). *Abstract Thought across Cultures*. Invited talk given to Language and Cognition Lab, Stanford University, Stanford, USA.
- Singh, A., & Pagano, R. (2014, August). *Investigating Black Holes in Dusty Environments: A Spitzer Infrared Study of Ultra-Luminous X-Ray Sources*. Invited talk given at United States Naval Observatory, Washington, D.C., USA.

## TALKS

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- Singh, A., (2023, May). *Not a form, not a swarm: Beauty as family resemblance*. Talk given at 1<sup>st</sup> Beauty at Work Symposium. Catholic University of America, Washington, D.C., USA.
- Singh, A., Li, M., & Casasanto, D. (2021, February). *Culture, time, and abstract thought*. Data blitz presentation at 5<sup>th</sup> Annual Advances in Cultural Psychology Pre-conference for 22<sup>nd</sup> Annual Meeting of the Society for Personality and Social Psychology (SPSP), Virtual conference.

## PAPER PRESENTATIONS

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- Singh, A., & Casasanto, D. (2021, September). *Do ancient philosophies help us understand modern psychologies?* Paper presented at 28<sup>th</sup> Conference of the European Society for Philosophy and Psychology, Leipzig, Germany.
- Singh, A., Wang, Q., & Casasanto, D. (2019, July). *Seeing the big picture: Do some cultures think more abstractly than others?* Paper presented at 41<sup>st</sup> Annual Conference of the Cognitive Science Society, Montreal, Canada.
- Rosen, R., Staum Casasanto, L., Singh, A., & Casasanto, D. (2018, July). *Black dialect activates violent stereotypes*. Paper presented at 40<sup>th</sup> Annual Conference of the Cognitive Science Society, Madison, USA.

Casasanto, D., **Singh, A.**, & Wang, Q. (2017, November). *The Geography of Sport: Evidence for the Domain-Specificity of Cultural Mindsets*. Paper presented at 58<sup>th</sup> Annual Meeting of the Psychonomic Society, Vancouver, Canada.

Staum Casasanto, L., Rosen, R., **Singh, A.**, & Casasanto, D. (2017, November). *Is that a gun? Race, dialect, and violence stereotype*. Paper presented at 46<sup>th</sup> New Ways of Analyzing Variation Conference, Madison, USA.

**Singh, A.** (2015, March). *Epimeleia in Aristotle and Heidegger*. Paper presented at Association of Core Texts and Courses Conference, Dallas, USA.

## POSTER PRESENTATIONS (\* student mentee co-author)

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Jani, H.\*, **Singh, A.**, Hurst, M.A. (2025, September). *How do visual formats affect children's proportional reasoning?* Poster to be presented at Project SUPER Research Symposium, Rutgers University, New Brunswick, USA.

Gestland, J.\*, **Singh, A.**, Hurst, M.A. (2025, July). *Does temporal abstraction affect probability judgements?* Poster presented at Summer Research Symposium, Rutgers University, New Brunswick, USA.

**Singh, A.**, Dadika, P., Quilty-Dunn, J., & Hurst, M.A. (2025, July). *Does spatial separation impede encoding of the whole?* Poster presented at 47<sup>th</sup> Annual Conference of the Cognitive Science Society, San Francisco, USA.

Karpel, R., Morgan, O.P., **Singh, A.**, Yap, D.F., Brookshire, G., Pawletko, K., & Casasanto, D. (2025, July). *Replication of Prefrontal Asymmetry in Approach-Avoidance Motivation in fMRI*. Poster presented at 47<sup>th</sup> Annual Conference of the Cognitive Science Society, San Francisco, USA.

**Singh, A.**, Dadika, P., Quilty-Dunn, J., & Hurst, M.A. (2025, June). *Does spatial separation impede encoding of the whole?* Poster presented at 51<sup>st</sup> Annual Meeting of the Society for Philosophy and Psychology, Ithaca, USA.

**Singh, A.**, & Casasanto, D. (2023, July). *Abstract thought across 4 cultures*. Poster presented at 45<sup>th</sup> Annual Conference of the Cognitive Science Society, Sydney, Australia.

**Singh, A.**, (2022, July). *Abstract thought across cultures*. Poster presented at 3<sup>rd</sup> National Defense Science and Engineering Graduate (NDSEG) Fellows Conference, Boston, USA.

**Singh, A.**, Su, S. \*, Jiang, L., & Casasanto, D. (2021, November). *Cultural differences in analogical reasoning*. Poster presented at 62<sup>nd</sup> Annual Meeting of the Psychonomic Society, Virtual conference.

**Singh, A.**, & Casasanto, D. (2021, July). *Do ancient philosophies help us understand modern psychologies?* Poster presented at 43<sup>rd</sup> Annual Conference of the Cognitive Science Society, Vienna, Austria.

**Singh, A.**, Su, S. \*, Jiang, L., & Casasanto, D. (2021, July). *Cultural differences in analogical reasoning*. Poster presented at 43<sup>rd</sup> Annual Conference of the Cognitive Science Society, Vienna, Austria.

**Singh, A.**, Su, S. \*, & Casasanto, D. (2020, November). *Analogical reasoning across cultures*. Poster presented at the 2<sup>nd</sup> Annual Culture and Cognition Pre-conference for 61<sup>st</sup> Annual Meeting of the Psychonomic Society, Virtual conference.

**Singh, A.**, Li, M. \*, Su, S. \*, & Casasanto, D. (2020, September). *Cultural differences in the interpretation of verb phrases*. Poster presented at 1<sup>st</sup> Meeting of Experiments in Linguistic of Meaning, Virtual conference.

Casasanto, D., **Singh, A.**, & Wang, Q. (2019, November). *The Geography of Sport: Evidence for the Domain-Specificity of Cultural Mindsets*. Poster presented at the 1<sup>st</sup> Culture and Cognition Pre-conference for the 60<sup>th</sup> Annual Meeting of the Psychonomic Society, Montreal, Canada.

**Singh, A.**, Wang, Q., & Casasanto, D. (2018, November). *Do Westerners think more abstractly than East Asians?* Poster presented at 59<sup>th</sup> Annual Meeting of the Psychonomic Society, New Orleans, USA.

Casasanto, D., Singh, A., & Wang, Q. (2018, July). *The Geography of Sport: Evidence for the Domain-Specificity of Cultural Mindsets*. Poster presented at 40<sup>th</sup> Annual Conference of the Cognitive Science Society, Madison, USA.

## TEACHING & MENTORSHIP

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### Teaching:

Instructor, Introduction to Cognitive Science, Cornell University	2024
Instructor, Ideas of the Mind in Philosophy, Science, and Literature, Cornell University	2024
Co-host, Sprocket: The Cognitive Science Film Series (film seminar series), Cornell University	2023
TA, Human Brain & Mind: An Introduction to Cognitive Neuroscience, Cornell University	2023
TA, Language and Power, Cornell University	2023
TA, Human Brain & Mind: An Introduction to Cognitive Neuroscience, Cornell University	2022
TA, Cultural Psychology, Cornell University	2019
Invited guest lecture for Cultural Psychology: <i>Culture and Perception</i>	2019
TA, Human Brain & Mind: An Introduction to Cognitive Neuroscience, Cornell University	2018

**Master student supervision:** Bingjie Liu, Luyang Jiang, Mingtong Li\*, Shikun Su, Zhiyi Wang

**Undergraduate honors thesis supervision:** Aileen Roldan, Madi Howell

### Undergraduate research assistant supervision:

Aidel Townsley	Brian Kim	Cassidy Salentine*	Cordelia Aachen	Corrine Roma*
Hailey Jani	Jessica Diaz	Jiangxue Ning*	Julia Schoellkopff	Jun Gestland
Kamilah Scales	Khushi Seth	Lucas Evans	Radha Pandya	Ryan Sanfillippo

\* Went on to psychology graduate program

## SERVICE

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**Editorial board:** Theoretical and Philosophical Psychology (Frontiers in Psychology) 2021 – Present

### Ad hoc reviewer:

Memory & Cognition; Journal of Cognitive Psychology; International Journal of Bilingualism, TopiCS

### Departmental service:

Graduate Studies Committee, Dept. of Psychology, Cornell University 2018 – 2020

Graduate student panels, Dept. of Psychology, Cornell University 2023, 2020, 2019

Created fellowship database for Cornell Human Development & Psychology graduate students.

Trained 14 members of the University of Chicago Psychology Dept. on TMS.

### Outreach and community:

Co-organized and curated *The Beautiful Brain*, a neuroscience art exhibit at Cornell University. 2024

St. John's College Alumni Association Board; director. 2020 – 2025

Humanities Lab, forum for scholars at the interface of the sciences and humanities; member. 2020 – 2024

Neurophilosophy Discussion Group, a University of Chicago interdisciplinary group covering topics in neuroscience, cognitive science, and philosophy; cofounder. 2017 – 2023

Free Science on the Go! Outreach program; science demonstrator.	2019
PRYDE Career Ex mentoring session.	2019
ELSO Discussion program for international students to practice English; discussion facilitator.	2019
The Think Tank, a mobile neuroscience outreach lab; Led demos and maintained mobile lab van.	2016 – 2017

## SKILLSETS

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**Programming and software:** R, Python, HTML, CSS, JavaScript, Millisecond; JSPsych, Inquisit,

**Spoken languages:** (Fluent) English, Punjabi; (Basic) Hindi, Urdu

**Research skills:** Behavioral experiments, Online experiments, Transcranial Magnetic Stimulation (Magstim system); Statistical methods (mixed effects models)