

Sebastian Montesinos

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EDUCATION

Princeton University | September 2025 – Present | *Princeton, NJ*

Doctor of Philosophy (PhD) Candidate

Advisor: **Tania Lombrozo PhD**

Amherst College | September 2018 – May 2022 | *Amherst, MA*

Bachelor of Arts, Major: Psychology

Advisor: **Michael A. Cohen PhD**

GPA: 3.99/4.00 (Weighted: 4.08/4.3), Magna Cum Laude with Distinction

AWARDS & HONORS

Graduate Research Fellowship (GRFP) | April 2024 | *National Science Foundation*

Competitive fellowship for doctoral research in science

Intramural Research Training Award (IRTA) | May 2022 | *National Institutes of Health*

Two-year stipend to conduct post-baccalaureate research at the NIH

Junior Phi Beta Kappa | September 2022 | *Amherst College*

Awarded to the top one-percent of rising seniors

Rose Olver Prize | May 2021 | *Amherst College*

\$6000 in funds to conduct Honors Thesis research

RESEARCH EXPERIENCE

Princeton University | September 2025 – present | *Princeton, NJ*

PhD Candidate: *Concepts and Cognition Lab*

Supervisors: **Tania Lombrozo PhD**, Professor of Psychology

National Institute of Mental Health | September 2022 - Present | *Bethesda, MD*

IRTA Fellow: *Laboratory of Brain and Cognition, Section on Learning and Plasticity*

Supervisors: **Chris I. Baker PhD**, Investigator and Chief, **Lina Teichmann PhD**,

Postdoctoral Research Fellow

Amherst College | January 2019 – May 2022 | *Amherst, MA*

Research Assistant: *Cognition and Perception Laboratory*

Supervisor: **Michael A. Cohen PhD**, Professor of Psychology and Neuroscience

TEACHING EXPERIENCE

Warrior-Scholar Project | September 2020 – September 2021 | *Amherst, MA*

Tutor: *Amherst College Writing Center*

Supervisor: **Cassie Sanchez PhD**, Writing Associate

Amherst College | September 2020 – December 2020 | *Amherst, MA*

Teaching Assistant: *Department of Psychology, Statistics and Experimental Design*

Supervisor: **Julia McQuade PhD**, Professor of Psychology

PEER-REVIEWED PUBLICATIONS

Ritchie, J. B., **Montesinos, S.**, & Carter, M. J. (2024). What is a visual stream? *Journal of Cognitive Neuroscience*, 1–12. https://doi.org/10.1162/jocn_a_02191.

Montesinos, S., & Baker, C. I. (2024). From tasks to models of visual mental imagery: Comment on “visual mental imagery: Evidence for a heterarchical neural architecture” by Spagna et al.. *Physics of Life Reviews*, 49, 121–122. <https://doi.org/10.1016/j.plrev.2024.04.003>.

PRESENTATIONS

Montesinos, S., Teichmann, L., Japee, S., Baker, C. (2024). Testing Generalization from static to dynamic faces using magnetoencephalography (MEG). *Vision Sciences Society Annual Meeting, St Pete, FL, USA*. Poster Talk.

Teichmann, L., Lam, K. C., Garside, D., Benitez-Andonegui, A., **Montesinos, S.**, Pereira, F., Conway, B., Baker, C. (2024). The temporal dynamics of individual colour-space geometries in the human brain. *Vision Sciences Society Annual Meeting, St Pete, FL, USA*. Symposium talk.

Montesinos, S., Teichmann, L., Japee, S., Baker, C. (2024). Testing generalization from static to dynamic faces using magnetoencephalography (MEG). *Cognitive Neuroscience Society Annual Meeting, Toronto, Canada*. Poster Talk.

Montesinos, S., Japee, S., Baker, C. (2023). Temporal Characteristics of Mental Imagery. *MEG North America, Bethesda, MD, USA*. Poster Talk.

Montesinos, S., Japee, S., Baker, C. (2023). Temporal Characteristics of Mental Imagery. *NIMH IRP Fellow's Scientific Training Day, Bethesda, MD, USA*. Poster Talk.

Teichmann, L., Garside, D., Benitez-Andonegui, A., **Montesinos, S.**, Pereira, F., Conway, B., Baker, C. (2023). The emergence of individual colour-space geometries in the human brain. *Society for Neuroscience, Washington, USA*. Poster talk.

Teichmann, L., Garside, D., Benitez-Andonegui, A., **Montesinos, S.**, Pereira, F., Conway, B., Baker, C. (2023). The temporal evolution of colour-space geometries in the human brain. *Organization for Human Brain Mapping, Montreal, Canada*. Poster talk.

Montesinos, S., Cohen, M. (2022). Inattentional Blindness in Virtual Reality. *Psychology Honors Department Senior Thesis Day, Amherst MA, USA*. Poster talk.

ACADEMIC SERVICE

Manuscript Reviewer

2024 | *Trends in Cognitive Science*

SKILLS

Programming

Python (Proficient) | Experiment building, Data Analysis and Visualization, Machine Learning |

Psychopy, SciKit-Learn, [Github](#)

R (Advanced Beginner) | Data Analysis & Visualization

Technical Skills

MEG | Operation, MNE Preprocessing and Sensor-Level Analysis, Eye-Tracking

Other Skills

Spanish (Proficient)

REFERENCES

Tania Lombrozo PhD

PhD Supervisor

Professor, Princeton University | Department of Psychology

Princeton, NJ 08550

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Chris I. Baker PhD

Post-Baccalaureate Supervisor

Chief, Laboratory of Brain and Cognition | Section on Learning and Plasticity

National Institute of Mental Health, Bethesda MD 20814

Office: (301) 435-6058

bakerchris@mail.nih.gov

Michael A. Cohen PhD

Undergraduate Honors Thesis Advisor

Assistant Professor, Amherst College | Department of Psychology

Amherst, MA 01002

Office: (413) 542-5958

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Andrew Dole PhD

Undergraduate Advisor

Professor, Amherst College | Department of Religion

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