

## Lauren N. Hecht, Ph.D.

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### ACADEMIC APPOINTMENTS

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<b>Assistant Professor</b> – Department of Psychological Science Gustavus Adolphus College, Saint Peter, MN	2010 – present
<b>Visiting Assistant Professor</b> – Department of Psychology Grinnell College, Grinnell, IA	2009 – 2010
<b>Instructor, Teaching Assistant, Research Assistant</b> – Department of Psychology University of Iowa, Iowa City, IA	2003 – 2009

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### SPECIAL APPOINTMENTS

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<b>Midstates Consortium for Math and Science (MCMS) College Representative</b> Gustavus Adolphus College, Saint Peter, MN	2012 – 2015
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### EDUCATION

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<b>University of Iowa</b> , Iowa City, IA <b>Ph.D.</b> in Psychology Dissertation: <i>Temporal Processing of Figures and Grounds</i>	2003 – 2009
<b>Albion College</b> , Albion, MI <b>B.A.</b> in Philosophy and with Honors in Psychology Honors Thesis: <i>Does a Simple Shading Manipulation Lead to Size Overestimation in 3D Volumes?</i>	1999 – 2003

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### TEACHING EXPERIENCE: Courses Taught

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<b>General Psychology / Introduction to Psychology</b> Gustavus Adolphus College, Saint Peter, MN Grinnell College, Grinnell, IA – <b>with lab</b>	<b>Total: 4 semesters</b> 3 semesters 1 semester
<b>Statistics and Research Methods II / Evaluating Psychological Research / Research Methods in Psychology</b> Gustavus Adolphus College, Saint Peter, MN University of Iowa, Iowa City, IA	<b>Total: 5 semesters</b> 4 semesters 2 semesters
<b>(Introduction to) Cognitive Psychology</b> Gustavus Adolphus College, Saint Peter, MN Grinnell College, Grinnell, IA – <b>with lab</b> University of Iowa, Iowa City, IA	<b>Total: 2 semesters</b> 2 semesters 1 semester 4 semesters

<b>(Psychology of) Attention</b> Gustavus Adolphus College, Saint Peter, MN Grinnell College, Grinnell, IA	<b>Total: 3 semesters</b> 2 semesters 1 semester
<b>Perception</b> Gustavus Adolphus College, Saint Peter, MN	<b>Total: 1 semester</b>
<b>Sensation &amp; Perception</b> Grinnell College, Grinnell, IA	<b>Total: 1 semester</b>
<b>Introduction to Child Development</b> University of Iowa, Iowa City, IA	<b>Total: 1 semester</b>

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## TEACHING EXPERIENCE: Guest Lectures

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<b>Human Vision</b> <i>Computer Vision</i> , Grinnell College, Grinnell, IA Professor: Dr. Jerod Weinman	2010 – Spring
<b>Spatial Vision</b> <i>Sensation &amp; Perception</i> , University of Iowa, Iowa City, IA Professor: Dr. Cathleen Moore	2009 – Spring
<b>Descriptive Statistics</b> <i>Evaluating Psychological Research</i> , University of Iowa, Iowa City, IA Professor: Dr. Eva Klohn	2008 – Spring
<b>Memory</b> <i>Introduction to Cognitive Psychology</i> , University of Iowa, Iowa City, IA Professor: Dr. Eliot Hazeltine	2004 – Fall

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## MENTORING EXPERIENCE

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<b>Amanda (Mandy) Feeks '13</b> – Research Apprenticeship Advisee, Honors Research Advisee Gustavus Adolphus College, Saint Peter, MN	2011 – present
<b>Kathryn Ofstad '13</b> – Honors Research Advisee Gustavus Adolphus College, Saint Peter, MN	2012 – present
<b>Nicole Doerrmann '13</b> – Research Apprenticeship Advisee Gustavus Adolphus College, Saint Peter, MN	2012 – present
<b>Cole Peterson '13</b> – Internship Advisee, Bureau of Criminal Apprehension (BCA) in Saint Paul, MN Gustavus Adolphus College, Saint Peter, MN	Spring 2013
<b>Hannah Durbin '12</b> – Summer Research Advisee, Research Apprenticeship Advisee Current Status Unknown	2011 – 2012
<b>Jean-Paul Noel '12</b> – Honors Research Advisee Fulbright Scholar Ecole Polytechnique Federale the Lausanne, Switzerland	2011 – 2012

<b>Anthony Mefford '12</b> – Research Advisee Research Assistant Ernest Gallo Research Center, University of California – San Francisco, San Francisco, CA	2011 – 2012
<b>Brooke Meyer '13</b> – Internship Advisee, Gustavus Adolphus College Habitat for Humanity Gustavus Adolphus College, Saint Peter, MN	2011 – Spring
<b>Mark Bartley '12</b> – Research Apprenticeship Advisee Current Status Unknown	2010 – Spring
<b>Julie Nowariak '13</b> – Research Apprenticeship Advisee Gustavus Adolphus College, Saint Peter, MN	2010 – Spring
<b>Syjong Xiong '12</b> – Research Apprenticeship Advisee Employment Navigator <i>RESOURCE, Inc. Employment Action Center, West St. Paul, MN</i>	2010 – Spring
<b>Katelyn Warburton '13</b> – Research Apprenticeship Advisee Gustavus Adolphus College, Saint Peter, MN	2010 – Spring
<b>Lyra Anderson</b> (transferred) – Research Apprenticeship Advisee Current Status Unknown	2010 – Spring
<b>Rebecca Carter '12</b> (Grinnell College) – Direct Research Advisee Current Status Unknown	2009 – 2010
<b>Ishi Fales</b> (University of Iowa) – Research Advisee Current Status Unknown	2008 – 2011
<b>Benjamin (Ben) Lester '07</b> (University of Iowa) – Research Advisee Ph.D. Candidate in Cognitive Neuroscience University of Oregon, Eugene, OR	2005 – 2007
<b>Joshua (Josh) Cosman '06</b> (University of Iowa) – Research Advisee Postdoc in Cognitive Neuroscience Vanderbilt University, Nashville, TN	2004 – 2006

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## RESEARCH EXPERIENCE

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<b>Perception &amp; Attention Lab</b> Primary Investigator Gustavus Adolphus College, Saint Peter, MN	2010 – present
<b>Perception Lab</b> Primary Investigator Grinnell College, Grinnell, IA	2009 – 2010
<b>Visual Cognition Lab</b> Graduate Researcher (PI: Dr. Shaun Vecera) University of Iowa, Iowa City, IA	2003 – 2009
<b>Cognitive Psychology Lab</b> Undergraduate Researcher (PI: Dr. Michael Anes) Albion College, Albion, MI	2002 – 2003

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## SCHOLARLY ACTIVITIES: Publications – In Print, In Press, or Accepted

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\* – Indicates undergraduate student

- Hecht, L. N.** (2013). Exploring research on the processes mediating perception and consciousness [Review of the book *From perception to consciousness: Searching with Anne Treisman*, by J. Wolfe, & L. Robertson (Eds.)]. *PsycCRITIQUES*, 58(13). [Book Review]
- Hecht, L. N.**, & Vecera, S. P. (2011). Delayed offset detection on figures relative to backgrounds. *Journal of Vision*, 11, 1-8. doi: 10.1167/11.13.15 [Peer-Reviewed Journal]
- Lester, B. D.\*, **Hecht, L. N.**, & Vecera, S. P. (2009). Visual prior entry for foreground figures. *Psychonomic Bulletin & Review*, 16, 654-659. doi: 10.3758/PBR.16.4.654 [Peer-Reviewed Journal]
- Hecht, L. N.**, Abbs, B., & Vecera, S. P. (2008). Auditory object-based attention. *Visual Cognition*, 16(8), 1109-1114. [Peer-Reviewed Journal]
- Hecht, L. N.**, & Vecera, S. P. (2007). Attentional selection of complex objects: Joint effects of surface uniformity and part structure. *Psychonomic Bulletin & Review*, 14(6), 1205-1211. [Peer-Reviewed Journal]

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## SCHOLARLY ACTIVITIES: Publications – Under Review, Under Revision, or In Preparation

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\* – Indicates undergraduate student

- Hecht, L. N.**, & Vecera, S. P. (under review). Temporal resolution of figures and grounds.
- Noel, J-P.\*, Mefford, A.\*, & **Hecht, L. N.** (under revision). Meta-awareness selectively modulates exocentric and egocentric spatial judgments.
- Hecht, L. N.**, Spencer, J. P., & Vecera, S. P. (in preparation). A dynamic neural field model of temporal order judgments for figures and grounds.
- Hecht, L. N.**, Cosman, J. D.\*, & Vecera, S. P. (under revision). An effect of figure ground assignment: Figural enhancement.
- Hecht, L. N.**, & Vecera, S. P. (in preparation). Scale of attention influences figure-ground assignment.
- Hecht, L. N.**, & Vecera, S. P. (in preparation). Object-based curve tracing in the upper and lower visual fields.
- Hecht, L. N.**, Lee, H. & Vecera, S. P. (in preparation). The role of surfaces and edges in completing occluded objects.

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## SCHOLARLY ACTIVITIES: Conference Presentations

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\* – Indicates undergraduate student

- Hecht, L. N.**, & Vecera, S. P. (2012, May). *Attentional selection of simple and complex objects*. Poster presented at the 12<sup>th</sup> Annual Meeting of the Vision Sciences Society (VSS). Abstract published in *Journal of Vision*, 12(9), 923. doi: 10.1167/12.9.923
- Noel, J-P.\*, Mefford, A.\*, & **Hecht, L. N.** (2012, May). *Awareness of attentional system and spatial judgments*. Poster presented at the 12<sup>th</sup> Annual Meeting of the Vision Sciences Society (VSS). Abstract published in *Journal of Vision*, 12(9), 667. doi: 10.1167/12.9.667

- Noel, J.-P.\*, & Mefford, A.\* (2012, May). *Awareness of attentional system and spatial judgments*. Poster presented at the 2012 Celebration for Creative Inquiry, Gustavus Adolphus College. **Role: Faculty Sponsor.**
- Noel, J.-P.\*, Mefford, A.\*, & **Hecht, L. N.** (2011, November). *Awareness as a spatial baseline?* Talk presented by J.-P. Noel and A. Mefford at the Midstates Consortium for Math and Science (MCMS) 2011 Undergraduate Research Symposium in the Biological Sciences & Psychology.
- Noel, J.-P.\*, Mefford, A.\*, & **Hecht, L. N.** (2012, May). *Awareness of attentional system and spatial judgments*. Poster presented at the 10<sup>th</sup> Biennial Toward a Science of Consciousness Conference.
- Nowariak, J.\*, Bartley, M.\*, & Xiong, S.\* (2011, May). *Prior experience and change blindness*. Poster presented at the 2011 Celebration for Creative Inquiry, Gustavus Adolphus College. **Role: Faculty Sponsor.**
- Hecht, L. N.**, & Vecera, S. P. (2010, November). *Attentional selection of complex objects*. Poster presented at the 18<sup>th</sup> Annual Workshop on Object Perception, Attention, and Memory (OPAM), Saint Louis, MO.
- Hecht, L. N.**, & Vecera, S. P. (2010, May). *Temporal extension of figures: Evidence from the attentional blink*. Poster presented at the 10<sup>th</sup> Annual Meeting of the Vision Sciences Society (VSS). Abstract published in *Journal of Vision*, 10(7), 286. doi: 10.1167/10.7.286
- Hecht, L. N.**, & Vecera, S. P. (2009, November). *Processing duration of figures and grounds*. Poster presented at the 50<sup>th</sup> Annual Meeting of the Psychonomic Society, Boston, MA.
- Hecht, L. N.**, Spencer, J. P., & Vecera, S. P. (2009, November). *A dynamic neural field model of temporal order judgments for figures and grounds*. Poster presented at the 17<sup>th</sup> Annual Workshop on Object Perception, Attention, and Memory (OPAM), Boston, MA.
- Hecht, L. N.**, & Vecera, S. P. (2009, May). *Scale of attention influences figure-ground assignment*. Poster presented at the 9<sup>th</sup> Annual Meeting of the Vision Sciences Society (VSS). Abstract published in *Journal of Vision*, 9(8), 934. doi: 10.1167/9.8.934
- Hecht, L. N.**, Abbs, B., & Vecera, S. P. (2009, March). *Auditory object-based attention*. Poster presented at the 11<sup>th</sup> Annual James F. Jakobsen Graduate Conference, Iowa City, IA.
- Hecht, L. N.**, Abbs, B., & Vecera, S. P. (2008, November). *Auditory object-based attention*. Talk presented at the 16<sup>th</sup> Annual Workshop on Object Perception, Attention, and Memory (OPAM), Chicago, IL. Research summary published in *Visual Cognition*, 16(8), 1109-1114.
- Hecht, L. N.**, Lester, B. D.\*, & Vecera, S. P. (2007, November). *The effects of visual prior entry based on figure-ground assignment: Evidence of a figural benefit*. Poster presented at the 15<sup>th</sup> Annual Workshop on Object Perception, Attention, and Memory (OPAM), Long Beach, CA.
- Hecht, L. N.**, & Vecera, S. P. (2006, May). *Selecting multipart objects: Is uniformity necessary?* Poster presented at the 6<sup>th</sup> Annual Meeting of the Vision Sciences Society (VSS). Abstract published in *Journal of Vision*, 6(6), 595. doi: 10.1167/6.6.595
- Cosman, J. D.\*, **Hecht, L. N.**, & Vecera, S. P. (2006, May). *An effect of figure-ground assignment: Perceptual enhancement*. Poster presented at the 6<sup>th</sup> Annual Meeting of the Vision Sciences Society (VSS). Abstract published in *Journal of Vision*, 6(6), 751. doi: 10.1167/6.6.751
- Hecht, L. N.**, & Vecera, S. P. (2005, May). *Object-based curve tracing in the upper and lower visual fields*. Poster presented at the 5<sup>th</sup> Annual Meeting of the Vision Sciences Society (VSS). Abstract published in *Journal of Vision*, 5(8), 1030. doi: 10.1167/5.8.1030

**Hecht, L. N.**, Lee, H., & Vecera, S. P. (2004, November). *Is amodal completion influenced by color similarity?* Poster presented at the 12<sup>th</sup> Annual Workshop on Object Perception, Attention, and Memory (OPAM), Minneapolis, MN.

**Hecht, L. N.\***, & Anes, M. (2003, May). *Does a simple shading manipulation lead to size overestimation in 3-D volumes?* Poster presented at the 3<sup>rd</sup> Annual Meeting of the Vision Sciences Society (VSS). Abstract published in *Journal of Vision*, 3(9), 843. doi: 10.1167/3.9.843

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## GRANTS, AWARDS, & HONORS

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<b>Committee for Support of Faculty Scholarship (CSFS) Grant</b> Grinnell College, Grinnell, IA	2009
<b>Graduate College Summer Fellowship – \$3000</b> University of Iowa, Iowa City, IA	2009
<b>1<sup>st</sup> Place Award in the Social Sciences &amp; Education Division at the 11<sup>th</sup> Annual James F. Jakobsen Graduate Conference</b> University of Iowa, Iowa City, IA	2009
<b>Outstanding Graduate Student as Mentor Award (Nominee)</b> University of Iowa, Iowa City, IA	2006
<b>Graduate Student Senate (GSS) Travel Funds Award – \$300</b> University of Iowa, Iowa City, IA	2005
<b>Department of Psychology Teaching Assistant Award</b> University of Iowa, Iowa City, IA	2004
<b>University of Iowa Outstanding Teaching Assistant Award (Nominee)</b> University of Iowa, Iowa City, IA	2004

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## PROFESSIONAL MEMBERSHIPS

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Association for Psychological Science (APS); Vision Sciences Society (VSS); Psychonomic Society; Psi Chi; Sigma Xi

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## PROFESSIONAL DEVELOPMENT

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<i>How Learning Works</i> – J-term Reading and Discussion Group	January 2012
<i>Dynamic Field Theory Summer School</i> – Led by Dr. John P. Spencer & Dr. Gregor Schöner	Summer 2009

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## SERVICE: Professional

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Ad Hoc Reviewer for: *Attention, Perception & Psychophysics (and Perception & Psychophysics); Journal of Experimental Psychology: Human Perception and Performance; Psychological Science; Psychonomic Bulletin & Review; Visual Cognition*

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**SERVICE: College & University**


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<b>Midstates Consortium for Math and Science (MCMS) College Representative</b> Gustavus Adolphus College, Saint Peter, MN	2012 – present
<b>Academic Operations Committee Member</b> Gustavus Adolphus College, Saint Peter, MN	2011 – present
<b>Sigma Xi Grant Proposal Reviewer</b> Gustavus Adolphus College, Saint Peter, MN	2012 – present
<b>Summer Registration Advisor</b> Gustavus Adolphus College, Saint Peter, MN	2011 – present
<b>IEX Term Advisory Committee – Academic Operations Committee Representative</b> Gustavus Adolphus College, Saint Peter, MN	2011 – 2012
<b>First Year Orientation Group Facilitator</b> Gustavus Adolphus College, Saint Peter, MN	2011, 2012
<b>Co-leader of Summer Registration Training for New Advisors</b> Gustavus Adolphus College, Saint Peter, MN	2012
<b>Panelist &amp; Tour Guide for New Tenure-Track Faculty Orientation</b> Gustavus Adolphus College, Saint Peter, MN	2011
<b>Interviewer for Scholarship Days 2011 – Presidential Scholarship</b> Gustavus Adolphus College, Saint Peter, MN	2011, 2013
<b>Celebration for Creative Inquiry Volunteer</b> Gustavus Adolphus College, Saint Peter, MN	2011

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**SERVICE: Department**


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<b>Psi Chi Faculty Advisor</b> Gustavus Adolphus College, Saint Peter, MN	2011 – present
<b>Psychological Science Tutor Database Coordinator</b> Gustavus Adolphus College, Saint Peter, MN	2012 – present
<b>Facebook Group for Majors Administrator</b> Gustavus Adolphus College, Saint Peter, MN	2012 – present
<b>General Psychology Mentors Coordinator</b> Gustavus Adolphus College, Saint Peter, MN	2012
<b>Visiting Faculty Job Search Committee Member</b> Gustavus Adolphus College, Saint Peter, MN	2012
<b>Sophomore Social Department Representative</b> Gustavus Adolphus College, Saint Peter, MN	Fall 2012
<b>Programming Assistant for an Honors Student</b> Gustavus Adolphus College, Saint Peter, MN	Spring 2011

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**SERVICE: Community & Other Institutions**


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<b>PADI Divemaster</b> Assistant for Open Water, Advanced Open Water, and Specialty Certification Dives Haack SCUBA, Iowa City, IA	2008 – present
<b>Adult Psychology Panelist</b> Gustavus Adolphus College, Saint Peter, MN	2012
<b>Panelist for Grinnell Women in Science Student Group Discussion</b> Grinnell College, Grinnell, IA	2009
<b>Programmer for a Statistics Student Group</b> Grinnell College, Grinnell, IA	2009
<b>Advanced SCUBA Course Assistant, PADI Divemaster</b> University of Iowa, Iowa City, IA	2009
<b>Discover SCUBA Instructor / Assistant</b> Haack SCUBA, Iowa City, IA	2009 – 2011
<b>SCUBA Course Assistant</b> University of Iowa, Iowa City, IA	2008 – 2010
<b>Cognition &amp; Perception Program Assistant: Tour Guide, Transportation Assistant</b> University of Iowa, Iowa City, IA	2003 – 2009