

# REBECCA J. GRAYHEM

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## PERSONAL INFORMATION

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## EDUCATION

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- M.A., Psychology, Northeastern University, 2007
- Ph.D., Psychology, Northeastern University, anticipated Summer 2010
- B.A., Psychology, Wheeling Jesuit University, Magna Cum Laude, 2005

## AWARDS & HONORS

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- Outstanding Researcher Award, Wheeling Jesuit University, 2005
- Highest overall Cumulative Psychology GPA recognition, Wheeling Jesuit University, 2005
- Distinction on Psychology Comprehensive Exams, 2005
- Head student research assistant of Human Psychophysiology Laboratory, Wheeling Jesuit University, 2004-2005.
- Psi Chi, National Honor Society in Psychology, Wheeling Jesuit University chapter president 2004-2005
- Appalachian College Association Advanced Statistics and Data Management Fellowship, Emory, VA, 2004
- NASA Space Grant, 2004

## PROFESSIONAL ACTIVITIES

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- Student Member, Vision Science Society, 2007
- Student Member, Eastern Psychological Association, 2007-2008, 2005-2006.
- Student Member, Society for the Study of Ingestive Behavior, 2006-2007.
- Student Member, North American Society for the Psychology of Sport and Physical Activity, 2004-2005

## RESEARCH JOURNAL PUBLICATIONS

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- Raudenbush, B., Esgro, W., Grayhem, R., Sears, T., & Wilson, I. (in press) Effects of odor administration on driving performance, safety, alertness, and fatigue. Environment and Performance.
- Raudenbush, B., Canter, R.J., Corley, N., Grayhem, R., Koon, J. Lilley, S., Meyer, B., & Wilson, I. (in press) Pain threshold and tolerance differences among intercollegiate athletes: Implications of past sports injuries and willingness to compete. Journal of Sport and Exercise Psychology.

## PUBLISHED ABSTRACTS

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- Canter, R.J., Grayhem, R., Lilley, S., Wilson, I., & Raudenbush, B. (2004). Effects of past sports injuries on pain threshold, pain perception, and willingness to compete during injury. Journal of Sport and Exercise Psychology, 26, supplement.
- Schuler, A., Grayhem, R., & Raudenbush, B. (2004). Effects of hunger level, fasting, and body composition on pain threshold and tolerance. Appetite, 37, supplement.
- Schuler, A., Grayhem, R., & Raudenbush, B. (2004). Attention and pain perception during cold pressor test: Impact of hunger level, fasting, and body composition. Psychophysiology, 41, supplement.
- Raudenbush, B., Esgro, W., Grayhem, R., Sears, T., & Wilson, I. (2005). Effects of odorant administration on driving alertness, fatigue, safety, and performance. Psychophysiology, 42, supplement.
- Raudenbush, B., Grayhem, R., Esgro, W., & Sears, T. (2005). Effects of odor administration on driving performance, safety, alertness, and fatigue. Chemical Senses, 30, supplement.
- Raudenbush, B., Esgro, W., Grayhem, R., Sears, T., & Wilson, I. (2006). Effects of odorant administration on driving alertness, fatigue, safety, and performance. Journal of Sport and Exercise Psychology, 28, supplement.

## TEACHING & RESEARCH EXPERIENCE

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- Teaching Assistant, Northeastern University Lab in Sensation and Perception, spring 2006, fall 2006, fall 2007
- Research Assistant, Northeastern University, 2005-present; Wheeling Jesuit University 2002-2005; Center for Educational Technologies, 2002-2005.
- Statistics Tutor, Wheeling Jesuit University, 2004-2005.
- Research Technician subcontracted through Raudenbush Statistical and Research Consulting, 2004-2005.

## RESEARCH IN PROGRESS

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- Reeves, A., & Grayhem, R., (2007) Early scotopic dark adaptation; change in gain versus change in noise.
- Grayhem, R. & Reeves, A. (2007) Investigating visual imagery and the Perky effect using a vernier acuity task.

## RESEARCH PRESENTATIONS

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- Canter, R.J., Grayhem, R., Liley, S., Wilson, I., Raudenbush, B., Meyer, B., Corley, N., Koon, J., & Kozlowski, A. (June 2004). Effects of past sports injuries on pain threshold, pain perception, and willingness to compete during injury. Presented at the Conference of North American Society for the Psychology of Sport and Physical Activity, Vancouver, British Columbia, Canada.
- Canter, R.J., Grayhem, R., Lilley, S., Wilson, I., Raudenbush, B., Meyer, B., Corley, N., Koon, J., & Kozlowski, A. (March 2005). Pain threshold differences among contact and non-contact play athletes: Psychological variables leading to greater physical injury potential. Presented at the Conference of the Eastern Psychological Society, Boston, Massachusetts.
- Grayhem, R., Raudenbush, B., & Schuler, A. (March 2005). Attention and pain perception during a cold pressor test: Impact of hunger level, fasting, and body composition. Presented at the Conference of the Eastern Psychological Society, Boston, Massachusetts.
- Raudenbush, B., Grayhem, R., Esgro, W., & Sears, T. (April, 2005). Effects of odor administration on driving performance, safety, alertness, and fatigue. Presented at the Conference of the Association for Chemical Reception Sciences, Sarasota, Florida.
- Grayhem, R., & Reeves, A. (March, 2007). Does mental imagery facilitate perception? Presented at the Northeastern University Master's Convention.