Sean A. McGlynn
Curriculum Vitae

Georgia Institute of Technology
School of Psychology
654 Cherry Street
Atlanta, GA 30332-1070

Work: (404) 894-8344
Fax: (404) 894-8905
Email: smcglynn6@gatech.edu
Web: http://hfaging.gatech.edu

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia 2013-Present
Completing the requirements for a Ph.D in Engineering Psychology
Expected Graduation: Spring 2018
Advisor: Wendy A. Rogers, Ph.D.

M.S. in Engineering Psychology (March 2016)
Advisor: Wendy A. Rogers, Ph.D.
Thesis: *Investigating proximal predictors of intraindividual affect variability in older adults*

University of Connecticut, Storrs, Connecticut 2007-2011
B.A. in Cognitive Science, **B.A.** in Psychology (May 2011)
Minor in Neuroscience
Advisor: Letitia R. Naigles, Ph.D.

PROFESSIONAL EXPERIENCE

Graduate Research Assistant 2013-Present
Human Factors and Aging Laboratory, School of Psychology, Georgia Institute of Technology (Atlanta, GA)

- Current Research Activities:
  - *Assessing Well-being in Older Adults* 2013-Present
    - Investigating possible predictors of short-term variability in emotional well-being and how variability relates to physical health. The overarching goal of this project is to support the design of future home healthcare systems to enhance quality of life for older adults.
  - *Human-Robot Interaction* 2013-Present
    - Investigating older adults' attitudes, emotions, engagement, and stress using a social robot called Paro

- Understanding human-human friendship development frameworks and their potential applicability to future human-robot relationships

Laboratory Technician 2011-2013
RW Medical School, University of Medicine and Dentistry of NJ
Lab Director: Dr. Michael Matise

- Investigated the role of mesenchymal stem cells in embryonic and adult mice following spinal cord injury
- Performed brain surgeries and spinal cord lacerations on adult mice.
- Perfused, extracted, cryosectioned, and performed immunohistochemistry staining on adult mouse spinal cord tissue
- Examined and photographed tissue using a confocal microscope

Undergraduate Research Assistant 2010-2011
Psychopharmacology Lab, Dr. John Salamone, University of Connecticut, Storrs, CT

- Handled, weighed, and tested animals in operant chambers
- Collected lever-pressing data for fixed-ratio experiments

JOURNAL PUBLICATIONS

McGlynn, S. A., Kemple, S., Mitzner, T. L., King, C. H. A., & Rogers, W. A. (2016). Understanding the potential of PARO for healthy older adults. *International Journal of Human-Computer Studies, 100,* 33-47.

Gable, T. M., Chen, D. W., Darling, C. M., **McGlynn, S. A.**, Kazi, S., Preusse, K. C., ... & Schaeffer, L. M. (2016). Heuristic-Driven Recommendations for Improving US Voting. *Ergonomics in Design*, *24*(3), 4-8.

Yu K., **McGlynn S.**, Matise M.P. (2013). Floor plate-derived sonic hedgehog regulates glial and ependymal cell fates in the developing spinal cord. *Development, Apr; 140(7)*, 1594-1604.

PROCEEDINGS PUBLICATIONS

McGlynn, S. A., & Rogers, W. A. (2017). Considerations for Presence in Teleoperation. In *Proceedings of the Companion of the 2017 ACM/IEEE International Conference on Human-Robot Interaction* (pp. 203-204). ACM.

McGlynn, S. A., Geiskkovitch, D., Mitzner, T. L., & Rogers, W. A. (2016). PARO's Stress-Reduction Potential for Older Adults. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 60, No. 1, pp. 1799-1803). SAGE Publications.

McGlynn, S. A., Geiskkovitch, D., Mitzner, T. L., & Rogers, W. A. (2016). Understanding the potential of PARO as a stress reduction tool for older adults. In *Proceedings of the Human Factors and Ergonomics Society Europe Chapter 2015 Annual Conference.*

McGlynn, S. A., & Rogers, W. A. (2015). Provisions of human-robot friendship. In *Proceedings of the Tenth Annual ACM/IEEE International Conference on Human-Robot Interaction Extended Abstracts* (pp. 115-116). ACM.

McGlynn, S. A., Kemple, S. C., Mitzner, T. L., King, C. H., & Rogers, W. A. (2014). Understanding older adults' perceptions of usefulness for the Paro robot. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (pp. 1914-1918). Santa Monica, CA: Human Factors and Ergonomics Society.

McGlynn, S. A., Kemple, S. C., Mitzner, T. L., & Rogers, W. A. (2014). Therapeutic robots for older adults: Investigating the potential of Paro. *Proceedings of the 9th ACM/IEEE International Conference on Human-Robot Interaction* (pp. 246-247). Bielefeld, Germany.

CONFERENCE PRESENTATIONS

McGlynn, S. A., & Rogers, W. A. (2017). *Considerations for Presence in Teleoperation*. Presented at the 2017 ACM/IEEE International Conference on Human-Robot Interaction, Vienna, Austria

McGlynn, S. A., Geiskkovitch, D., Mitzner, T. L., & Rogers, W. A. (2016). *PARO's stress-reduction potential for older adults*. Presented at the the Human Factors and Ergonomics Society Annual Meeting, Washington, D.C., USA.

McGlynn, S. A., & Rogers, W. A. (2016). *Investigating Daily Predictors of Emotion Level and Variation in Older Adulthood*. Presented at the 2016 Georgia Gerontology Society Annual Conference, Jekyll Island, Georgia USA.

McGlynn, S. A., & Rogers, W. A. (2016). *Understanding intraindividual variability in positive and negative affect in older adults.* Presented at the Cognitive Aging Conference, Atlanta, Georgia, USA.

McGlynn, S. A., Kemple, S. C., Mitzner, T. L., & Rogers, W. A. (2015). *Provisions of human-robot friendship.* Presented at the 10th ACM/IEEE International Conference on Human-Robot Interaction. Portland, Oregon, USA.

McGlynn, S. A., Kemple, S. C., Mitzner, T. L., King, C. H., & Rogers, W. A. (2014). *Understanding older adults' perceptions of usefulness for the Paro robot*. Presented at the Human Factors and Ergonomics Society Annual Meeting. Chicago, Illinois, USA.

McGlynn, S. A., Kemple, S. C., Mitzner, T. L., & Rogers, W. A. (2014). *Investigating subjective well-being as an indicator of physical health in older adults.* Presented at the Cognitive Aging Conference, Atlanta, Georgia, USA.

McGlynn, S. A., Kemple, S. C., Mitzner, T. L., & Rogers, W. A. (2014). *Therapeutic robots for older adults: Investigating the potential of Paro.* Presented at the 9th ACM/IEEE International Conference on Human-Robot Interaction, Bielefeld, Germany.

COLLOQUIA | BROWN BAGS | WORKSHOPS

McGlynn, S. A., & Rogers, W. A. (March, 2017). *Design Guidelines for Enhancing Virtual Reality Presence for Older Adults.* Cognitive Aging Brown Bag Research Seminar, School of Psychology, Georgia Institute of Technology, Atlanta, GA

McGlynn, S. A., & Rogers, W. A. (November, 2016). *Towards a psychological model of presence in virtual reality.* Engineering Psychology Colloquium Series, School of Psychology, Georgia Institute of Technology, Atlanta, GA

McGlynn, S. A., & Rogers, W. A. (April, 2016). *Understanding proximal predictors of intraindividual affect variability in older adults.* Cognitive Aging Brown Bag Research Seminar, School of Psychology, Georgia Institute of Technology, Atlanta, GA

McGlynn, S. A., & Rogers, W. A. (January, 2016). *Proximal predictors of affect variability in older adults.* Engineering Psychology Colloquium Series, School of Psychology, Georgia Institute of Technology, Atlanta, GA

McGlynn, S. A., & Rogers, W. A. (March, 2015). *Investigating predictors of affect intraindividual variability in older adults: Applications for health monitoring.* Engineering Psychology Colloquium Series, School of Psychology, Georgia Institute of Technology, Atlanta, GA

McGlynn, S. A., Mitzner, T. L., & Rogers, W. A. (October, 2014). *Affect variability and physical health in older adults.* Cognitive Aging Brown Bag Research Seminar, School of Psychology, Georgia Institute of Technology, Atlanta, GA

McGlynn, S. A., Kemple, S. C., Mitzner, T. L., & Rogers, W. A. (April, 2014). *Robotic Pets.* Engineering Psychology Colloquium Series, School of Psychology, Georgia Institute of Technology, Atlanta, GA

McGlynn, S. A., Kemple, S. C., Mitzner, T. L., & Rogers, W. A. (March, 2014). *Therapeutic robots for older adults.* Poster presented at the Workshop: "Socially Assistive Robots for the Aging Population: Are we trapped in stereotypes?" 9th ACM/IEEE International Conference on Human-Robot Interaction, Bielefeld, Germany.

McGlynn, S. A., Kemple, S. C., Mitzner, T. L., & Rogers, W. A. (February, 2014). *Older adults' interactions with Paro.* Cognitive Aging Brown Bag Research Seminar, School of Psychology, Georgia Institute of Technology, Atlanta, GA

MANUSCRIPTS UNDER REVIEW | IN REVISION | IN PREPARATION

McGlynn, S. A., & Rogers, W. A. (in prep). Understanding the proximal predictors of intraindividual affect variability in older adults. *Journal of Gerontology.*

PROFESSIONAL ACTIVITIES, AFFILIATIONS, AND SERVICE

Undergraduate Coordinator 2014-Present
Human Factors and Aging Laboratory

- Responsible for recruiting, training, and managing all undergraduate research assistants in daily laboratory activities

Human Factors and Ergonomics Society (HFES)
Student Member 2013-Present

- HFES Georgia Tech Chapter
President 2016-Present
- HFES Georgia Tech Chapter
President-Elect 2015-2016
- HFES Georgia Tech Chapter
Treasurer 2014-2015
- HFES Georgia Tech Chapter
Webmaster 2013-2014
- HFES Aging Technical Group

Newsletter Co-Creator Fall 2013
Human Factors and Aging Laboratory
- Responsible for development of the annual lab newsletter
- Available at: http://hfaging.gatech.edu/docs/newsletter8.pdf

GRANTS AND AWARDS

Georgia Gerontology Society (GGS) Scholarship 2016
- Virginia M. Smyth Scholarship awarded to one outstanding graduate student who is committed to pursuing a career in the field of aging

Cognitive Aging Training Grant 2013-Present
- Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant from the National Institutes of Health (National Institute on Aging), Grant #T32AG000175

Residential Care Facilities Authority of Fulton County 2014 & 2015
- Fellowship awarded for research that focuses on improving the quality of life for older adults
- Selection criteria based on outstanding academic record and commitment to and potential for leadership in the field of aging

1st Place - HFES National Voting Design Competition 2014
- Competition sought design of a voting system that was cutting-edge, innovative, and had an interactive user experience that would redefine the future of voting
- Performed task analyses, designed a dynamic mock-up of a voting website, created a video tutorial of the mock-up, presented poster and mock-up to competition judges

Human-Robot Interaction Conference - Student Volunteer 2014 & 2017
- Awarded travel funding for volunteering at the Human-Robot Interaction

GRADUATE COURSEWORK

Engineering Psychology:

- Engineering Psychology I
- Engineering Psychology II
- Human-Robot Interaction

Psychology:

- Sensation & Perception
- Cognitive Psychology
- Psychology of Aging
- Developmental Psychology
- Survey of Aging
- Neurocognitive Models of Aging

Quantitative:

- Research Design
- Statistical Analysis I (ANOVA)
- Statistical Analysis II (Multiple Regression)
- NCSU Statistical Modeling Workshop (Multiple Regression, Latent Variable Modeling, Multilevel Modeling)

COMPUTER EXPERIENCE

- Adobe Acrobat Professional
- Adobe InDesign
- MAXQDA
- Microsoft Office
- Macintosh iWork
- SPSS
- SAS