

TANYA TAVASSOLIE
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EDUCATION

Franklin & Marshall College

Bachelor of Arts

Lancaster, PA

May 2011

- Major: Biological Foundations of Behavior, Neuroscience
- Charles N. Stewart Award in Neuroscience
- Dean's List (Fall 2010 and Spring 2011)

RESEARCH EXPERIENCE

Child Development Lab, University of Maryland

Faculty Research Assistant with Nathan Fox

College Park, MD

June 2011-present

- Helped to coordinate project exploring the mirror neuron system in 9- and 12-month-old infants
- Collected and managed electrophysiological (EEG) and behavioral data and implemented behavioral coding schemes
- Trained in EEG data acquisition using high-density EGI system, and administration of Wechsler Abbreviated Scale of Intelligence and the Mullen Scales of Cognitive Development
- Subject recruitment and extensive contact with participants and their families through scheduling and running visits
- Conducted behavioral assessments in school-age children as part of a longitudinal project exploring temperament and the development of anxiety

F&M Independent Research Project

Independent Research 490 advised by Meredith Bashaw

Lancaster, PA

September 2010-May 2011

- Independent research with advisor on stress response as a function of developmental stage and enrichment in rats
- Analyzed statistical data independently, strong analytical skills needed
- Methods developed independently with the help of advisor

Biology Department Student Employee

Student Laboratory Assistant

Lancaster, PA

September 2010-May 2011

- Independently performed data analysis using Mathematica used in longitudinal tree swallow study
- Individual instruction from professor and completed during individually planned hours

F&M Hackman Scholars Program

Research Scholar with Meredith Bashaw and Daniel Ardia

Lancaster, PA

Summer 2010

- Worked independently to assess stress associated with thermoregulation in tree swallow chicks and as part of a group with a Biology professor to learn about the life-history trade-offs of tree swallows
- Worked individually with Psychology professor to compare lab and field extraction methods for progesterone in wild giraffe
- Prepared poster for College research fair and performed statistical analyses using SPSS

- Maintained meticulous excel spreadsheet calculating large quantities of data

Johns Hopkins University
Research Trainee, Otolaryngology

Baltimore, MD
Summer 2009

- Used computerized tomography (CT) scan to measure bone dehiscence for Superior Canal Dehiscence Syndrome with an Otolaryngologist
- Worked independently and as part of a team to write paper published in 2012
- Presented quantitative and qualitative data in graphs and tables
- Used SPSS and Excel to convey clearly and concisely the information from the study
- Independently prepared poster for conference
- Worked with confidential patient information in highly secured environments

PUBLICATIONS AND PRESENTATIONS

Tavassolie, T., Bashaw, M. J. (2013, May). *Exploring the Tub: Enrichment and age affect young rats' performance in the Morris water maze*. Accepted poster for Association for Psychological Science Conference in Washington, DC.

Tavassolie, T., Finch, K., Mamdouhi, T., & Cannon, E. (2012, April). *Latency to grasp toy and mu rhythm: an exploratory study of mu desynchronization in 9-month-old infants*. Accepted poster for Society for Research in Child Development Conference in Seattle, WA.

Tavassolie, T.S., Penninger, R.T., Zuniga, M.G., Minor, L.B., & Carey, J.P. (2012). Multislice computed tomography in the diagnosis of superior canal dehiscence: How much error, and how to minimize it? *Otology & Neurotology*, 33, 215-222.

Tavassolie, T.S. (2011). *Math screening—Identifying students at risk: Literature review*. Paper commissioned by EPS/School Specialty Literacy and Intervention.
<http://eps.schoolspecialty.com/downloads/other/acad-math/MathScreening-LiteratureReview.pdf>

Tavassolie, T. S., Penninger, R. T., Minor, L. B., & Carey, J. P. (2010, February). *Multi-slice CT overestimates superior canal dehiscence size*. Poster session presented at the Association for Research in Otolaryngology Conference, Anaheim, CA.

CONFERENCES ATTENDED

Animal Behavior Society Conference
College Student Member

Williamsburg, VA
July 2010

- Attended to gain a better understanding of animal behavior research and current studies
- Helped initiate Independent Research 490 for 2010-2011 academic year

OTHER ACADEMIC WORK EXPERIENCE

Honorary Degree Committee
Student Committee Member

Lancaster, PA
September 2009-May 2011

- Committee of faculty and students to determine commencement speaker and honorary degree recipients for Commencement 2010 and 2011

- Worked as a group to consolidate many nominations and requests
- Research on nominees to arrive at consensus for speaker and degree recipients

F&M Brooks College House Congress
Congress Representative

Lancaster, PA
September 2007-May 2011

- Worked on a team to plan events for entire student body and members of the House to create healthy social environment enjoyable for students and faculty
- Collectively brainstormed for new common room addition to the House building to increase sustainability of the construction and promote sustainable awareness among the F&M administration, collaborated on ideas from students to create a comfortable and relaxing common room addition
- Organized two “Brooks Buddies” events: outreach program for 3rd-5th graders from two local Lancaster City public elementary schools for a day of athletic activities to promote healthy living for children

F&M Brooks College House Congress
Secretary/Treasurer

Lancaster, PA
September 2008-May 2009

- Individually managed \$15,000 budget for Brooks College House, kept clear records of all money spent and earned by Congress in order to remain in budget throughout the year
- Necessary group work with entire congress and executive board to maintain order and reach consensus about decisions and events planned
- Held accountable for organized and detailed notes during every meeting, documented voting results and team commitments/decisions
- Built rapport with various constituencies (students and faculty) in different settings to gain community support and group involvement

Lancaster General Hospital Resident Preceptorship Program
Student Shadow

Lancaster, PA
September 2008-May 2009

- Shadowed family medicine residents during morning rounds and gained a better understanding of resident life and hospital setting
- Observed patient-doctor interactions in rural clinics and city hospitals
- Necessary communication with residents and doctors gave an insightful eye on the stress and environmental issues dealt with on daily basis in hospitals

Additional Skills

- Aurally proficient in Farsi
- Proficient in SPSS