# Mary M.N. Nguyen-Choi, PhD, MBA

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## Summary of Qualifications

- Over 8 years of experience working with federal clients on projects encompassing public health informatics, laboratory sciences, technology implementations, project management, business process re-engineering, modeling and simulation, and grants management processes.
- Over She also has over 17 years of professional and laboratory experience encompassing the areas of neuroscience, molecular biology, biochemistry, genetics, and animal behavior.
- Holds a Ph.D. in Neuroscience from the University of Cincinnati, a Master of Business Administration from the Georgia Institute of Technology, and a B.S. in Neuroscience from Vanderbilt University.
- Known for providing scientific, analytical, and business management services to government health care agencies, with a specific focus on scientific policies for public health informatics, analyses related to health care informatics, surveillance, advanced laboratory operations research methodologies, and technology implementations for the CDC.
- Collaborative team member known for excellent written and oral communication skills used to cultivate and maintain positive, effective working relationships with superiors, colleagues, and customers.
- Self-directed, detail-oriented professional with extensive project management, team management, and program management expertise.

## Education

**Georgia Institute of Technology** – Atlanta, GA, 2010-2012
*M.B.A., Operations Research*

**University of Cincinnati** – Cincinnati, OH, 2001-2007
*Ph.D., Neuroscience*

**Vanderbilt University –** Nashville, TN, 1997-2001
*B.S., Neuroscience*

## Employment and Professional Experience

**Booz Allen Hamilton** – Atlanta, GA
***Senior Associate*** (Jan 2018 – Present)
***Lead Associate*** (Jan 2013 – Dec 2017)
***Associate*** (Jan 2011 – Dec 2012)
***Senior Consultant*** (Feb 2010 – Dec 2010)

### Management Information Systems Office (MISO)

- Develop scientific policies for public health informatics
    - Program manager for a portfolio of 14+ bioinformatics projects (~$5 million) consisting of scientific and technical projects, accessing risks, managing project teams performance and adherence to cost, schedule and deliverables.

### Division of Health Informatics and Surveillance (DHIS), NNDSS Modernization Initiative (NMI)

- Develop scientific policies for public health informatics

- Supported the development of all components of the National Notifiable Disease Surveillance System (NNDSS) Modernization Initiative by assisting the NMI federal program manager in developing scientific policies for public health informatics, overseeing the management of assigned tasks, activities, or projects of the three teams working on NMI; the Message Mapping Guide Team, the Message Validation, Processing, and Provisioning System (MVPS) Development Team, and the Partnership Engagement and Technical Assistance Team.

- Perform a variety of activities and analyses related to healthcare informatics
  - Assisted the federal program manager in project management activities and analyses related to health care informatics and surveillance to ensure synchronous project activities and continuous and effective coordination with the contractors developing MVPS and maintaining the DHIS legacy systems.
  - Served as the Change Control Board (CCB) manager for the NMI, working to coordinate and facilitate the CCB meetings, documenting the change requests, and working with the NMI workstreams and CDC programs to analyze the change requests.
  - Coordinated, facilitated, and provided project management for the NNDSS/NMI Arboviral/Zika response working with NMI, the Arboviral program, the three NMI workstreams, the Data Operations Team, the NBS program, APHL, and the CDC O&M/legacy systems group (DMB, CDS, PHIN VADS, MQF).
  - Ran a bi-weekly workgroup meeting that coordinated development timelines and addressed risks and issues to help with the Arboviral/Zika response.
  - Developed a NMI management plan outlining the overall NNDSS lifecycle and assisted in managing the NMI timeline.
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**Division of Health Informatics and Surveillance (DHIS), Message Validation, Processing and Provisioning System (MVPS)**

- Develop scientific policies for public health informatics
  - Lead in providing requirements management and tracking oversight to ensure that the development of the MVPS aligned with technical, C/I/O programmatic and NEDSS Modernization Initiative requirements across the MVPS development lifecycle.
  - Supported activities toward the development of strategies for transition planning and cutover management.
- Perform a variety of activities and analyses related to healthcare informatics
  - Provided support to the MVPS task by serving as the requirements manager to communicate and manage the requirements process between the developer, programmatic SMEs, the MVPS technical team, and the NMI workstream leads.
  - Generated a requirements collection and management plan and process to include change control. She utilized various tools and processes for the collection and tracking of requirements (i.e., traceability matrices, JIRA bug defect tracking).
  - Generated business process and business requirements documents and artifacts at varying levels to facilitate the ability to communicate across stakeholder groups, including technical support, system developer/integrator, and CDC leadership.
  - Provided management of scope and scope control to ensure internal and external stakeholders are receiving desired functionality as part of the MVPS solution.
  - Provided detailed requirements definition to assist User Acceptance Testing, supported activities that focus on ensuring the effectiveness of the transition process from initial post-production support to steady state and developing a transition plan, provided thought leadership in the support of plan developments and strategic activities, managed relationships and was a liaison between CDCP for various stakeholders including NMI workstream leads, MVPS SME and contractors, and programmatic leads.

**Booz Allen Hamilton, Associate, Grants Management System Business Case and Requirements Gathering, CDC Procurement and Grants Office (PGO)**

- Manage grants, cooperative agreements, and contracts
    - Played a key role in conducting business analysis, data information collection for the early stages of a business case for a CDC-wide grants management system to inform the decision of top CDC officials in a grants management system to increase efficiency and lower costs.
    - Involved with mapping key grants management processes, provided tracking of project and data collection, and performed requirements gathering.
    - Assisted  in the management of the contract across 4 initiatives, 18 tasks, and 24 people
    - Lead business analyst responsible for the development of a business case and business requirements CDC-wide enterprise grants management system
    - Captured requirements from clients to guide and advise project developers on best practices to capture data with a diverse group client interviewees and to translate the captured information into business requirements and substantiate those for application development
    - Generated EPLC documentation

**Association of Public Health Laboratories (APHL), Resource and Capacity Modeling**

- Develop scientific policies for public health informatics
    - Utilized modeling skills for the Association of Public Health Laboratories (APHL) in modeling 38 state influenza laboratories to help laboratories shape their policies for public health laboratory capacity building and informatics capabilities.
    - Developed the overall analysis for APHL and worked with the team to develop the final paper for this project which will help shape scientific policies for laboratory capacity during times of pandemic.
- Perform a variety of activities and analyses related to healthcare informatics
    - Created a standard model for influenza laboratories and validating that model.
    - Worked to help laboratories not only identify the benefits of additional staff and equipment but also the effects of the loss of those resources on both capacity and days to complete testing.
    - Created additional modeling parameters that allowed laboratories to see the impact of sample pooling at various pool sizes and prevalence levels.

**National Center for Immunization and Respiratory Diseases, Influenza Division (NCIRD/ID), Seasonal and Pandemic Influenza Laboratory Process Mapping**

- Develop scientific policies for public health informatics
    - Worked with the Influenza Division at the CDC to develop Visio process maps for their top 19 critical processes.
- Perform a variety of activities and analyses related to healthcare informatics
    - Helped to gather data, draft the process maps and conducted interviews to check the accuracy of these maps.
    - Gathered information for each process map around staff, equipment, processing times and interactions with various data sources. This information will be used in both potential modeling efforts and integrating the data sources between laboratories.
    - Compiled the data into the process maps and coded overlays that can be turned on and off to show information on just staff and equipment or processing times or both.

**Office of Public Health Preparedness and Response, Division of Emergency Operations (OPHPR/DEO), Automated Turbo-Tagged Reports Tool (TTRT)**

- Perform a variety of activities and analyses related to healthcare informatics

- Served as the primary liaison and task lead between Booz Allen and the Division of Emergency Operations (DEO) in the development of a web-based, automated capability for standardizing the reports and documents needed in planning for and responding to public health emergencies.
- Provided support to the DEO task by serving as the project manager to gather data and design the TTRT tool, leading the data collection/ requirement efforts, generating bi-weekly reports, leading weekly internal status updates, leading and managing client meetings and deliverables, designing and performing experimental analysis of process improvements when using the web-based, TTRT tool.

**Employment and Professional Experience**

**Center for Behavioral Neuroscience, Georgia State University –** Atlanta, GA
***Post-doctoral Fellow*** (2007-2009 | 40 hours per week | $38,000/Year)

- Develop scientific policies for public health informatics
  - Independently wrote, reviewed, and edited research articles, grants, and protocols
  - Independently researched and synthesized hypotheses, designed and implemented scientific research experiments, and analyzed data using behavioral, neuroendocrine, and molecular biology techniques to investigate the neurobiological mechanisms underlying aggression.
- Perform a variety of activities and analyses related to healthcare informatics
  - Prepared protocols and submissions for compliance with federal laws and regulatory agency guidelines for agencies such as the Institutional Animal Care and Use Committee (IACUC), Institutional Environmental Health and Biosafety, and Radiation Safety.
  - Presented findings at regional and national meetings
  - Provided scientific leadership in extramural research collaborations
  - Mentored undergraduate and graduate students, and trained post-doctoral fellows in research techniques
  - Lectured in undergraduate level courses

**Graduate PhD Program in Neuroscience, University of Cincinnati** – Cincinnati, OH
***Graduate Research Assistant*** (2001-2007 | 40 hours per week | $24,000/Year)

- Develop scientific policies for public health informatics
  - Wrote, reviewed, and edited research articles, grants, and protocols
  - Formulated and tested scientific hypotheses using behavioral, neuroendocrine, and molecular biology techniques to investigate the neuroendocrine and neurochemical alterations underlying chronic psychosocial stress
- Perform a variety of activities and analyses related to healthcare informatics
  - Presented findings at national and international meetings including invited talks
  - Trained undergraduate, graduate students, and post-doctoral fellows in research techniques

**Grants and Funding**

2008-2009 Venture Grant ($26,330), Center for Behavioral Neuroscience

**Honors and Awards**

2007-2009 Post-doctoral Fellowship, National Science Foundation, Center for Behavioral Neuroscience
2006 Chapter Travel Award, Ohio Miami Valley Chapter of the Society for Neuroscience
2005 University Research Council Student Summer Graduate Fellowship, University of Cincinnati
2003 New Investigator Travel Award, Society for the Study of Ingestive Behavior
2002-2004 Graduate Student Governance Association Travel Award, University of Cincinnati
2001-2003 National Institutes of Health Training Grant, University of Cincinnati

**Leadership Activities**

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| 2008-2009 | Volunteer Coordinator, Emerging Leaders Network, Georgia Biomedical Partnership |
| 2003-2006 | Coordinator, Neuroscience Program Retreat, University of Cincinnati |
| 2002-2003 | Coordinator, UC Student-Invited Neuroscience Seminar Series |

**Professional Society Memberships**

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|---|---|
| 2008-2009 | Emerging Leaders Network, Georgia Biomedical Partnership |
| 2002-2009 | Society for Neuroscience |

**Publications**

1. Lee, H.S., Nelms, J.L., Nguyen, M., Silver, R., Lehman, M.N. (2003). The eye is necessary for a circadian rhythm in the suprachiasmatic nucleus. *Nature Neuroscience*, 6:111 – 112.

2. Tamashiro, K.L.K., Nguyen, M.M.N., Fujikawa, T., Xu, T., Ma, L.Y., Woods, S.C., Sakai, R.R. (2004). Metabolic and endocrine consequences of chronic social stress in a visible burrow system (VBS). *Physiology & Behavior*, 80: 683 - 693.

3. Nguyen, M.M.N., Tamashiro, K.L.K., Ma, L.Y., D'Alessio, D.A., Woods, S.C., Sakai, R.R. Effects of testosterone on body composition in a model of chronic psychosocial stress. *Appetite*, 42(3): 387.

4. Tamashiro, K.L.K., Nguyen, M.M.N., Ma, L.Y., D'Alessio, D.A., Woods, S.C., Sakai, R.R. Enhanced glucose tolerance following recovery from social stress. *Appetite*, 42(3): 401.

5. Tamashiro, K.L.K, Nguyen, M.M.N., Sakai R.R. (2005). Social stress: From rodents to primates. *Frontiers in Neuroendocrinology*, 26: 27-40.

6. Duncan, E.A., Tamashiro, K.L.K, Nguyen, M.M.N., Gardner, S.R., Woods, S.C., Sakai, R.R. (2006). The impact of moderate daily alcohol consumption on aggression and the formation of dominance hierarchies in rats. *Psychopharmacology (Berl.)*, 189(1): 83-94.

7. Choi, D.C., Nguyen, M.M.N., Tamashiro, K.L.K., Sakai, R.R., Herman, J.P. (2006). Chronic social stress in the visible burrow system modulates stress-related gene expression in the bed nucleus of the stria terminalis. *Physiology and Behavior*, 89(3): 301-310.

8. Melhorn, S.J., Tamashiro, K.L.K, Nguyen, M.M.N., Ma, L.Y., Sakai, R.R. (2006). Influence of chronic social stress on food intake. *Appetite*, 46(3): 369.

9. Nguyen, M.M.N., Melhorn, S.J., Tamashiro, K.L.K, Ma, L.Y., Sakai, R.R. (2006). Influences of androgens on body weight regulation and food intake during chronic psychosocial stress and recovery. *Appetite*, 46(3): 373.

10. Tamashiro, K.L.K, Hegeman, M.A., Nguyen, M.M.N, Melhorn, S.J., Ma, L.Y., Woods, S.C., Sakai, R.R. (2007). Dynamic body weight and body composition changes in response to subordination stress. *Physiology and Behavior*, 91(4): 440-448.

11. Tamashiro, K.L.K, Nguyen, M.M.N, Ostrander, M.M., Gardner, S.R., Ma, L.Y., Woods, S.C., Sakai, R.R. (2007). Social stress and recovery: implications for body weight and body composition. *American Journal of Physiology Regulatory, Integrative and Comparative Physiology*, 293: 1864-1874.

12. Nguyen, M.M.N., Tamashiro, K.L.K., Melhorn, S.J., Ma, L.Y., Gardner, S.R., Sakai, R.R. (2007). Androgenic influences on behavior, body weight, and body composition in a

model of chronic social stress. *Endocrinology*, 148(12): 6145-6156.

13. Choi, D.C., Furay, A.R., Evanson, N.K., Ulrich-Lai, Y.M., Nguyen, M.M.N., Ostrander, M.M., Herman, J.P. (2008). The role of the posterior medial bed nucleus of the stria terminalis in modulating hypothalamic-pituitary-adrenocortical axis responsiveness to acute and chronic stress. Psychoneuroendocrinology, Epub 2008 Mar 28.

14. Tamashiro, K.L.K, Nguyen, M.M.N, Ma, L.Y., Woods, S.C., D'Alessio, D.A., Sakai, R.R. (2008). Chronic intermittent social stress improves glucose tolerance despite increased visceral adiposity in male rats. *Endocrinology*, (manuscript submitted).

**Presentations**

1. Nguyen, M.M.N., Tamashiro, K.L.K, Ma, L.Y., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2004). "Effects of testosterone on body composition in a model of chronic psychosocial stress." Society for the Study of Ingestive Behavior Annual Meeting, Cincinnati, OH.

2. Nguyen, M.M.N. (2006). "Androgenic influences in a model of social stress." Ohio-Miami Valley Chapter – Society for Neuroscience, Neuroscience Day, Miami University, Oxford, OH.

**Meeting Abstracts**

1. Tamashiro, K.L.K., Nguyen, M.M.N., Choi, D., Herman, J.P., Markham, C.M., Blanchard, D.C., Blanchard, R.J., Ma, L.Y., Sakai, R.R. (2002). Behavioral and neuroendocrine profiles of mixed-gender and male-only VBS rat colonies. Society for Behavioral Neuroendocrinology Annual Meeting, Amherst, MA.

2. Choi, D.C., Tamashiro, K.L.K., Nguyen, M.M.N., Sakai, R.R., Segar, T.M., Herman, J.P. (2002). Regulation of stress responses and central GABA-ergic systems following psychosocial stress in a visual burrow. Society for Neuroscience Annual Meeting, Orlando, FL.

3. Nguyen, M.M.N., Tamashiro, K.L.K, Ma, L.Y., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2003). Chronic psychosocial stress effects on body composition, behavioral, and neuroendocrine profiles of mixed-gender VBS rat colonies. Society for the Study of Ingestive Behavior Annual Meeting, Groningen, Netherlands.

4. Tamashiro, K.L.K., Nguyen, M.M.N., Ma, L.Y., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2003). Chronic social stress and recovery: Changes in body composition. Society for the Study of Ingestive Behavior Annual Meeting, Groningen, Netherlands.

5. Nguyen, M.M.N., Tamashiro, K.L.K, Ma, L.Y., Sakai, R.R. (2003). Behavioral profiles of varied VBS colony compositions. Society for Behavioral Neuroendocrinology Annual Meeting, Cincinnati, OH.

6. Tamashiro, K.L.K., Nguyen, M.M.N., Ma, L.Y., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2003). Repeated cycles of social stress and recovery: Changes in body composition. Society for Behavioral Neuroendocrinology Annual Meeting, Cincinnati, OH.

7. Ostrander, M.M., Tamashiro, K.L.K., Nguyen, M.M.N., Sakai, R.R., Herman, J.P., Richtand, N.M. (2003). Psychosocial stress and locomotor response to amphetamine. Society for Behavioral Neuroendocrinology Annual Meeting, Cincinnati, OH.

8. Nguyen, M.M.N., Tamashiro, K.L.K, Choi, D.C., Ma, L.Y., Markham, C.M., Blanchard, D.C., Blanchard, R.J., McEwen, B.S., Hardy, M.P., Herman, J.P., Sakai, R.R. (2003). Expression of glutamic acid

decarboxylase (GAD65) in testosterone clamped VBS animals. Society for Neuroscience Annual Meeting, New Orleans, LA.

9. Tamashiro, K.L.K., Nguyen, M.M.N., Ostrander, M.M., Ma, L.Y., Yu, A., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2003). Endocrine and body composition changes following chronic social stress and recovery. Society for Neuroscience Annual Meeting, New Orleans, LA.

10. Nguyen, M.M.N., Tamashiro, K.L.K, Ma, L.Y., Zhang, D.M., Hardy, M.P., Herman, J.P., Sakai, R.R. (2004). Testosterone influences on social hierarchy formation in the Visible Burrow System. Society for Neuroscience Annual Meeting, San Diego, CA.

11. Tamashiro, K.L.K., Nguyen, M.M.N., Ma, L.Y., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2004). Metabolic consequences of chronic social stress. Society for Neuroscience Annual Meeting, San Diego, CA.

12. Nguyen, M.M.N., Tamashiro, K.L.K, Ma, L.Y., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2004). Effects of testosterone on body composition in a model of chronic psychosocial stress. Society for the Study of Ingestive Behavior Annual Meeting, Cincinnati, OH.

13. Tamashiro, K.L.K., Nguyen, M.M.N., Ma, L.Y., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2004). Enhanced glucose tolerance following recovery from social stress. Society for the Study of Ingestive Behavior Annual Meeting, Cincinnati, OH.

14. Nguyen, M.M.N., Tamashiro, K.L.K., Choi, D.C., Gardner, S.R., Hegeman, M.A., Hardy, M.P., Herman, J.P., Sakai, R.R. (2005). Influences of androgens on the HPA axis in a model of chronic social stress. American Neuroendocrine Society Workshop, San Diego, CA.

15. Tamashiro, K.L.K., Nguyen, M.M.N., Gardner, S.R., Hegeman, M.A., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2005). Enhanced glucose tolerance after chronic social stress: Effects of increased activity and weight loss. American Neuroendocrine Society Workshop, San Diego, CA.

16. Sakai, R.R., Tamashiro, K.L.K., Nguyen, M.M.N., Gardner, S.R., D'Alessio, D.A., Woods, S.C. (2005). Effects of chronic stress on food intake and body composition associated with the metabolic syndrome. American Neuroendocrine Society Workshop, San Diego, CA.

17. Hegeman, M.A., Tamashiro, K.L.K., Gardner, S.R., Nguyen, M.M.N., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2005). Influence of high-fat diet on chronic social stress. American Neuroendocrine Society Workshop, San Diego, CA.

18. Duncan, E.A., Tamashiro, K.L.K., Nguyen, M.M.N., Gardner, S.R., Hegeman, M.A., Sakai, R.R., and Woods, S.C. (2005). Voluntary alcohol consumption disrupts the formation of a social hierarchy in the visible burrow system. American Neuroendocrine Society Workshop, San Diego, CA.

19. Choi, D.C., Furay, A.R., Evanson, N.K., Nguyen, M.M.N., Ostrander, M.M., Ulrich-Lai, Y.M., Herman, J.P. The posterior bed nucleus of the stria terminalis regulates HPA axis responses to chronic variable stress. American Neuroendocrine Society Workshop, San Diego, CA.

20. Nguyen, M.M.N., Tamashiro, K.L.K., Choi, D.C., Gardner, S.R., Hegeman, M.A., Hardy, M.P., Herman, J.P., Sakai, R.R. (2005). Influences of androgens in a model of chronic social stress. Society for Neuroscience, Washington, DC.

21. Tamashiro, K.L.K., Nguyen, M.M.N., Gardner, S.R., Hegeman, M.A., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2005). Effects of physical activity and weight loss on glucose tolerance after chronic social stress. Society for Neuroscience, Washington, DC.

22. Hegeman, M.A., Tamashiro, K.L.K., Gardner, S.R., Nguyen, M.M.N., D'Alessio, D.A., Woods, S.C., Sakai, R.R. (2005). Influence of high-fat diet on chronic social stress. Society for Neuroscience, Washington, DC.

23. Ostrander, M.M., Tamashiro, K.L.K., Duncan, E.A., Nguyen, M.M.N., Herman, J.P., Sakai, R.R. (2005). Behavioral responses to natural reward, morphine, and amphetamine following chronic social stress. NIDA Early Career Investigators Poster Session at the American Psychological Association Annual Convention, Washington, DC.

24. Krause, E.G., Nguyen, M.M., Ma, L.Y., Sakai, R.R. (2006). Angiotensin type 1 receptor antisense in the subfornical organ attenuates isoproterenol-induced water intake. Society for Neuroscience, Atlanta, GA.

25. Choi, D.C., Furay, A.R., Evanson, N.K., Nguyen, M.M.N., Ostrander, M.M., Ulrich-Lai, Y.M., Herman, J.P. (2006). Lesions of subnuclei in the posterior bed nucleus of the stria terminalis exacerbate HPA axis responses to chronic variable stress. Society for Neuroscience, Atlanta, GA.

26. Nguyen, M.M., Choi, D.C., Herman, J.P., Sakai, R.R. (2006). Influences of androgens on vasopressin and corticotropin releasing hormone expression in animals exposed to social stress. Society for Neuroscience, Atlanta, GA.

**Volunteer Experience and Activities**

**Independent STEM Volunteer Activities,** 2010-Present

- **Georgia BioEd** – Working with executive director at the Georgia BioEd Institute to help build out the Equipment Depot initiative to help provide laboratory supplies, consumables and lendable equipment to middle and high school educators in Georgia
- **Arbor Montessori** – Developed and taught a public health lesson to lower elementary classroom (1st-3rd graders) at Arbor Montessori about the importance of hand washing and microorganisms using Glo Germ and a blacklight. As part of the lesson, students had to think through an experimental design with various experimental and control groups as well as the importance of using the scientific method and documenting findings. Students could physically see how various methods of hand washing (e.g., soap, no soap, wash time, hand sanitizer, paper towels) impacts the removal of Glo Germ gel from their hands. The lesson and materials were also donated to the classroom so that the teacher could continue using the material to teach future students.
- **Arbor Montessori** – Arranged Brain Awareness Day at Arbor Montessori to engage and educate the entire student body (pre-K through 8th graders) on the brain and neuroscience. Students were able to explore various neuroscience booths and participated in hands-on activities as groups to learn about the brain and nervous system. The younger children learned the importance of wearing a helmet and protecting your head while the older students learned what comparative neurobiology was by looking at various brains from different organisms including humans.
- **Girl Scouts of Greater Atlanta** – Helped girl scout Brownie troop earn their Science Badge by developing lesson and teaching them about kitchen chemistry with acids and bases
- **Montgomery Elementary** – Volunteered at Montgomery Elementary to run the brain exhibits at Science Night

**Center for Behavioral Neuroscience - Brain Awareness Month,** 2007-2009

- **Zoo Atlanta Brain Expo** – Developed and ran various brain awareness stations for the Brain Expo at Zoo Atlanta (e.g., Build a Neuron, Two Point Discrimination, Drunk Goggles, Temperature Discrimination) providing neuroscience lessons, education, and outreach to the general Atlanta community focusing on children of all ages as part of Brain Awareness Month. This is a fun, interactive, K-12 and community

education program for children and adults that features more than 30 hands-on education stations exploring various topics related to the brain and behavior. Hundreds of visitors take part in Expo activities.

- **Metro Atlanta K-12 Classrooms** – Visited K-12 classrooms throughout Metro Atlanta as a scientist to share the importance of brain and brain health with students. During the visits, taught the students age appropriate lessons (e.g., neuroanatomy, comparative neurobiology, touch-a-real brain, brain/muscle interactions needed to move arms and legs, 5 senses and proprioception, etc.) as well as provide information about careers in science and neuroscience