

**Jaime E. White**  
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**Education**

- 2012 – Present      Ph.D. candidate in Neuroscience, Delaware State University  
Advisor: Dr. Theresa Szabo-Maas  
Dissertation: *Expression of the G protein-coupled estrogen receptor, GPR30, varies by physiological state and sex.*
- 2010 – 2012      M.S. in Cellular & Molecular Neuroscience, Delaware State University,  
Advisor: Dr. Theresa Szabo-Maas  
Thesis: *Expression of the plasma-membrane associated G protein-coupled receptor 30, GPR30, in the brain of the goldfish, Carassius auratus.*
- 2006 – 2010      B.S. in Pre-Professional Biology, Delaware State University

**Research Experience**

- 2010 – Present      M.S. Thesis Research – Neuroendocrinology  
Studied expression of estrogen receptor protein in the central nervous system and factors regulating receptor expression using multiple immunohistological techniques and brightfield, epifluorescent and confocal microscopy.
- 2008 – 2010      Research Assistant/Undergraduate Student - Biophysics Lab, DSU  
Advisor: Dr. Chandran Sabanayagam, Department of Physics  
Project: *Molecular motors and viral DNA packaging.*
- 2007-2008      Biophysics Research Intern, HBCU Undergraduate Program, DSU  
Advisor: Dr. Chandran Sabanayagam, Department of Physics

**Other Work Experience**

- 2009-2010      Office Assistant, Biology Department, DSU

**Journal Publications in Progress**

1. **White JE**, Adebajo T, Szabo-Maas TM (in progress) Comparative distribution of G protein-coupled estrogen receptor 30 (GPR30) in the brain of the goldfish, *Carassius auratus*, and zebrafish, *Danio rerio*.

2. **White JE\***, Adebajo T\*, Szabo-Maas TM (in progress) Enhanced expression of the G protein-coupled estrogen receptor GPR30 in the peripheral vs. central nervous system. (\*Co-first authors)
3. Adebajo TT, **White JE**, Szabo-Maas TM (in progress) Estrogen receptor alpha, ER $\alpha$ , co-immunoprecipitates with myelin basic protein in the CNS of goldfish and zebrafish.

### **Abstracts**

**White JE**, Adebajo T, Szabo-Maas TM (2014) Comparative expression of GPR30 in the brains of goldfish and zebrafish. Program No. 640.03. 2014 Abstract Viewer and Itinerary Planner. Washington, D.C.: Society for Neuroscience. Online.

Adebajo T, **White JE**, Szabo-Maas TM (2014) Multiple distinct estrogen receptor alpha protein isoforms in the central nervous system of adult teleost. Program No. 640.04. 2014 Abstract Viewer and Itinerary Planner. Washington, D.C.: Society for Neuroscience. Online.

Szabo TM, **White J** (2013) Expression of the plasma-membrane associated G protein-coupled receptor, GPR30, in the brain of the goldfish, *Carassius auratus*. The 2<sup>nd</sup> Annual Delaware Neuroscience Retreat at Nemours Alfred I DuPont Hospital for Children in Newark, DE.

**White J**, Adebajo T, McLean T, Szabo-Maas T (2012) Expression of the plasma membrane associated G protein-coupled receptor, GPR30, in the brain of the goldfish, *Carassius auratus*. The 5<sup>th</sup> Annual Delaware Chapter for the Society for Neuroscience Poster Session at Delaware Biotechnology Institute (DBI) Newark, DE.

Szabo TM, **White J** (2012) Expression of the plasma-membrane associated G protein-coupled receptor, GPR30, in the brain of the goldfish, *Carassius auratus*. Program No. 383.15. 2012 Abstract Viewer and Itinerary Planner. New Orleans, LA: Society for Neuroscience. Online.

**White J**, Szabo-Maas T. (2012) Expression of the plasma-membrane associated G protein-coupled receptor, GPR30, in the brain of the goldfish, *Carassius auratus*. Graduate Student Association Research Symposium, Delaware State University, Dover, Delaware.

**White J**, Szabo-Maas T. (2012) Expression of the plasma-membrane associated G protein-coupled receptor, GPR30, in the brain of the goldfish, *Carassius auratus*. Legislative Hall Showcase, Legislative Hall, Dover, Delaware.

**White J**, Szabo-Maas T. (2011) Expression of the plasma-membrane associated G protein-coupled receptor, GPR30, in the goldfish, *Carassius auratus*, with special reference to the Mauthner cell. The 4<sup>th</sup> Annual Delaware Chapter for the Society for Neuroscience Poster Session, Delaware Biotechnology Institute (DBI) Newark, DE.

**White J**, Szabo-Maas T. (2011) Expression of the plasma-membrane associated G protein-coupled receptor, GPR30, in the goldfish, *Carassius auratus*, with special reference to the Mauthner cell.

Program No. 501.07. 2011 Abstract Viewer and Itinerary Planner. Washington DC: Society for Neuroscience. Online.

**White J**, Szabo-Maas T (2011) Expression of the plasma-membrane associated G protein-coupled receptor, GPR30, in the goldfish, *Carassius auratus*, with special reference to the Mauthner cell. Drexel University Discover Day, Drexel University, Philadelphia, PA.

**White J**, Sabanayagam C (2010) Molecular Motors and viral DNA packaging. Annual Honors Days Presentation, Delaware State University, Dover, DE.

**White J**, Blanchard S, Sabanayagam C (2008) The effects of DNA structure on viral DNA packaging. HBCU-UP Research Program Student Poster Session, Delaware State University, Dover, DE.

### **Presentations**

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|---------------------------------|---|
| Spring 2013                     | Journal Club Presentation, Department of Biological Sciences, DSU<br>Paper: A Dominant Negative ER $\beta$ Splice Variant Determines the Effectiveness of Early or Late Estrogen Therapy after Ovariectomy in Rats. |
| December 7 <sup>th</sup> , 2012 | Ph.D. Qualifying Exam Research Proposal Defense<br>Title: Attenuation of Glutamate Transporter Expression in the Adult Rat Hypothalamus as a result of Major Depressive Disorder                                    |
| April 16 <sup>th</sup> , 2012   | Master's Thesis Defense: "Expression of the plasma-membrane associated G protein-coupled receptor, GPR30, in the brain of the goldfish, <i>Carassius auratus</i> ."   |

### **Teaching**

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| Spring 2013 | Teaching Assistant, Department of Biological Sciences, DSU<br>Biology 103, Human Biology Lab, Delaware State University |
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### **Awards & Honors**

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| Spring 2010   | Outstanding Academic Achievement Award, Biology Department, Delaware State University    |
| Fall 2009     | Departmental Scholar, Biology, Delaware State University                                 |
| Fall 2009     | Dean's List, College of Math, Natural Sciences and Technology, Delaware State University |
| 2008 -Present | Alpha Chi National Honor Society, Delaware State University                              |

Spring 2008	President's List, Delaware State University
Fall 2007	Dean's List, College of Math, Natural Sciences and Technology, Delaware State University

### **Professional Memberships**

2010 – Present	Member, Society for Neuroscience
2010 – Present	Member, Graduate Student Association, Delaware State University
2009-2010	Member, Alliance for Minority Participation (AMP), Delaware State University
2006-2010	Member, Biology Club, Delaware State University

### **Workshops**

June 2014	Training: Zebrafish Behavioral Recording and Analysis System and Software, Aquaculture Facilities, DSU.
April 2014	Workshop: <i>Career Development: Getting the job</i> , Career Services Center, DSU.
March 2014	Workshop: <i>Career Development: Labor Market Research</i> , Career Services Center, DSU.
January 2014	Workshop: Writing a Scientific Paper, Instructor: Judy Keene, Martin Luther King, Jr. Student Center, DSU. Sponsored by NIH Graduate Partnership Grant to Melissa Harrington, DSU.
November 2013	Workshop: <i>Career Development: Cyber Safety</i> , Career Services Center, DSU.
March 2013	Training: Electrophysiological Techniques, Lab of Alberto Pereda, Dominick P. Purpura Department of Neuroscience, Albert Einstein College of Medicine, Bronx, NY.
January 2013	Workshop: Grant Writing, Instructor: Judy Keene, Martin Luther King, Jr. Student Center, DSU. Sponsored by NIH Graduate Partnership Grant to Melissa Harrington, Biology Dept., DSU.
Fall 2012	Training: Cryostat, Biology Department, DSU.
Fall 2011	Training: Leica SP5 Confocal Microscope, Optics Center,

Department of Physics, DSU.

Fall 2010                      Training: Freezing Microtome, Princey Mennella, Department of Biology, DSU.

**Service**

2011 – 2013                      Volunteer, Annual Brain Bee Competition, DSU

November 2012                      Presenter, McKean High School tour. Presented and discussed research with students learning about careers in science.

November 2012                      Presenter, Environmental Protection Agency (EPA) panel site visit. The panel evaluated facilities at Delaware State University for the purpose of developing a Memorandum of Understanding (MOU) with DSU.

September 2012                      Participant, television commercial regarding Neuroscience Graduate School Program at Delaware State University.

September 2012                      Presenter, National Center for Research Resources (NCRR) at the National Institutes of Health (NIH) panel site visit. The panel evaluated the DSU Neuroscience Program for NIH COBRE funding, which was subsequently awarded.

March 2011                      Volunteer, Brain Awareness Week, Delaware State University

Spring 2009                      Tutor for Physiology, Academic Support Center, Delaware State University

Spring 2009                      Volunteer, Science Olympiad, Delaware State University