

# Amanda Snyder

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## EDUCATION

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**UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**  
*Bachelor of Science in Molecular and Cellular Biology & Psychology*  
*Minor in Chemistry*  
*Certificate in Neuroscience and Undergraduate Research*  
*LAS James Scholar*  
*Dean's List*

Expected Graduation: December 2017  
GPA: 3.95/4.00

Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016

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## EXPERIENCE

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### BECKMAN INSTITUTE

Urbana, IL

*The Rhodes' Laboratory – Research Assistant*

March 2015 - Present

- Working directly with a postdoctoral fellow on a study examining the effects of cocoa flavanols on blood perfusion in an aging brain
- Running multiple behavioral experiments, including Elevated Plus Maze, Open Field, and Active Avoidance
- Proficient in animal care techniques, specifically handling, restraining, perfusions, and brain extraction
- Well-versed in neuroscience research techniques, including sectioning brains using a Cryostat, imaging and image analysis using ImageJ, immunohistochemistry, and PCR
- Utilizing 3DSlicer software to analyze global and regional blood perfusion
- Presenting research findings at weekly lab meetings

### DEPARTMENT OF COMPUTER SCIENCE

Urbana, IL

*Office Assistant*

June 2016 – Present

- Updating and maintaining databases of student and alumni information
- Compiling mailing lists for alumni outreach
- Organizing the CS@Illinois store
- Assisting with set-up and planning of donor events, including the annual Computer Science Alumni Awards and Graduation Reception
- Basic clerical duties, including delivering mail, filing, and data entry

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## AWARDS

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### OFFICE OF UNDERGRADUATE RESEARCH SUPPORT GRANT

November 2016

- \$1000 awarded by the Office of Undergraduate Research at the University of Illinois for conducting research during academic breaks

### JAMES SCHOLAR PREBLE RESEARCH AWARD

November 2016 & March 2017

- \$500 awarded in 2016 and \$750 awarded in 2017 by the Liberal Arts and Sciences James Scholar Honor Council at the University of Illinois for research support

### MCB SROP AWARD

April 2017

- \$2500 awarded in by the Department of Molecular and Cellular Biology at the University of Illinois for support of research that is the basis of a senior thesis over summer break

## **PUBLICATIONS**

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Rendeiro C, Du K, Mun J, **Snyder A**, Pinardo H, Kuchan MJ, Lai CS, Rhodes JS. Impact of Vitamin E during neonatal development: establishment of mouse models to manipulate the distribution of alpha-tocopherol stereoisomers in the neonatal brain. *In prep*

Konopka C, **Snyder A**, Pinardo H, Bhattacharya TK, Rodriguez-Mateos A, Dobrucki W, Rhodes JS, Rendeiro C. Cocoa-flavanols modulation of cerebral blood perfusion in aged mice: acute and chronic effects. *In prep*

## **PRESENTATIONS**

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### **UNDERGRADUATE RESEARCH SYMPOSIUM**

*University of Illinois at Urbana-Champaign*

April 2017

**Snyder A**, Rendeiro C, Konopka C, Pinardo H, Thaman P, Dobrucki W, Rhodes JS. “Cocoa Flavanols and the Aging Brain”

## **SKILLS**

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**LANGUAGES:** English (native), French (elementary proficiency)

**TECHNICAL SKILLS:** MS Office (advanced), AxioVision (intermediate), ImageJ (intermediate), 3DSlicer (intermediate)