**At University of Tennessee at Chattanooga**

**2018 ~ 2019**

* Dakila Ledesma, herbarium sheets analysis
* William Baker, herbarium sheets analysis
* Haobo Guo, postdoc, computational genomics
* Mehran Ghafari, Ph.D. candidate, biomedical image analysis.
* Justin Clark, MS, deep learning of miscroscopic images.
* Caleb Powell, MS, mobile app development, plant image digitization
* Andrew Watson, biomedical image anlysis
* Sudha Morusu, Web developer

**2017 ~ 2018**

* Kathryn Rouse, undergraduate, honors thesis, network aging.
* Brittany Campbell Dugger/Thomas, undergraduate, computational genomics.
* Victoria Mak, undergraduate, computational genomics
* Zaihab Bukhari, undergraduate, computational genomics
* Anna Hulsey, undergraduate, honors project, telemedicine.
* Caleb Powell, undergraduate, plant image big data and mobile data collection
* Mehran Ghafari, Ph.D. student, biomedical image analysis.
* Zach McCoy, MS student, ecological networks and big data
* Jonah Hall, MS student, geospatial big data
* Lawrence Taylor, MS student, develop software package for network analysis.
* Alex Hagman, MS student, machine learning on cancer drug responses
* Haobo Guo, postdoc, computational genomics.

**2016 ~ 2017**

* Stephen Clark, undergraduate, Honors College. Metric proficiency study at UTC.
* Kathryn Rouse, undergraduate, Honors College. Network aging.
* Brittany Dugger, undergraduate, computational genomics.
* Stephanie Honore, master student, computational genomics, web server.
* Thomas MacKenzie, master student, computational genomics, fall 2016
* Niket Jaiswal, master student, Database and web server design.
* Kierra Parker, undergraduate, Honors thesis. Metric proficiency study at Spelman College.
* Mehran Ghafari, Ph.D. student, biomedical image analysis.
* Emine Guven, postdoc, computational genomics.

**At Spelman College**

**2015 ~ 2016**

* Maya Jones, RISE, Differential gene expression in cisplatin treated ovarian cancer cell lines
* Keyana Scott, independent study, network robustness and cellular aging.
* Jessica D Corley, HHMI scholar, role of network configuration on aging.
* Taylor Williams-Hamilton, independent study, aging and stem cells.
* Faith J Lyons, HHMI scholar, aging related human diseases.
* Maya Bryant, Computational study in gene robustness using gene expression data.
* Camrie J Hendking, Honor research student. Aging and human diseases.
* Mason Dana, Justice Echols, Kierra Parker, Faith Kirkland, Erin Johnson, Imani-Michelle White, Bongeka Zuma, Michala Mercer, Christina Fennell in BIO386 research course.

**2014 ~ 2015 (6 undergraduates)**

* DeAndra Jones, Mathematical evaluation of yeast longevity genes.

Miss Jones won an travel award to attend the Emerging Researchers National Conference in STEM at DC in Spring 2015.

* Keyana Scott, ASPIRE summer scholar, BIO386. Network robustness and cellular aging.
* Courtney Lett, Math RAMP. Effect of network configuration on the aging dynamics.
* Kayla Moore, RISE scholar. Flow cytometry study on oxidative stress and aging.
* Maya Kirkland, RISE scholar. Maximal likelihood analysis of yeast lifespan.
* Zhane Cruickshank, BIO386. Network robustness and cellular aging.

**2013~2014 (10 undergraduates)**

* Brittany Jackson, Math RAMP. Network configuration and cellular aging.
* Mislie C Jean-Baptiste, independent study. Using network clustering to predict copy number variations associated with health disparities.
* Ashlee Beverett and Ariel Harden, Bio233 project. Genetic variation and yeast oxidative stress responses. *Miss Ariel Harden is a second place winner of poster presentation on Spelman Research Day*.
* Deja Heckard and Kaitlyn Jackson, Bio233 project. Genes associated with pathogenicity in yeast.
* Cayla Lowe and Corinthia Wilkerson, Bio233 project. Freshly made or processed: A microbial look at orange juice and lemonade.
* Anique Thompson and Tara Martin, Bio233 project. Kilometers or miles: Should it matter?

**2012~2013**

* Amanda Alexander (Math RAMP), statistical genomics. **Honors thesis.**

Miss Amanda Alexander is the Class of 2014 valedictorian.

* Palpasa Manandhar (Math RAMP), reliability network modeling
* Jayden Le Blanc, Jessica Rogers, Ashlee Beverett, research on ROS and aging
* Daria Clegg (ASPIRE scholar), genomics investigation of health disparity
* Mislie Jean-Bapstie (ASPIRE scholar), bioinformatics investigation of healthy disparity.
* Alannah Mack, Anique Thompson, Kofi Khamit-Kush, Kasha Price (BIO380), survey and research project on metric proficiency, scientific literacy and attitude.

**2011~2012 (15 undergraduates, including 1 honors thesis)**

* Lindsay Parnell, oxidative stress and genome integrity. **Honors thesis**.
* Morgan Maite, independent study. Wild isolates of yeast and microbes.
* Yamisha Rutherford, independent study. Lifespan extension effect of pcp1 null mutation.
* Brittni Wilson, independent study. TOR pathway in cellular aging
* Megan Magee, independent study. Quantitative analysis of yeast aging process.
* Janella Wynter, summer research and independent study. Survey yeast life spans and ridicicol effect on aging.
* Shyla Hardwick, summer research. Survey yeast life spans.
* Andrea Brown, Math major, independent study. Reliability model of cellular aging.
* Hilary Cooks, ASPIRE. Bioinformatics project using Python.
* Kinnari Matheson, Orrianne Morrison, Robin Levy, Jessica Christopher, Jessika Williams, Lisa Jones (BIO320).

**2010~2011 (13 undergraduates)**

* Alice Story, BIO320. Interconnection of molecular evolution, gene network, and cellular aging.
* Erika Dommond (math major), HHMI scholar. Network model of cellular aging.
* Dominique Parker, independent study. Oxidative stress and cellular aging.
* Meighan Parker, independent study. Oxidative stress and cellular aging.
* Joi Gaddy, ASPIRE scholar. Comparative genome analysis in Bacillus genomes.
* Alisha Caliman, RISE scholar. Oxidative stress on cellular aging.
* Jasmine Halcome, Devany Brown (CS major), ASPIRE scholars. Bacillus Genome Database.
* Leondra Patrice McGahee (math major), Kiara Brown, Courtney Dill, simulating emergence of infectious diseases.
* Brittni Wilson, HHMI scholar. TOR pathway in cellular aging
* Megan Magee, independent study. Quantitative analysis of yeast aging process.

**2009~2010 (6 undergraduates)**

* Meighan Parker, HHMI scholar. Oxidative stress and cellular aging.
* Shyla Hardwick, BIO491i. Isolation and characterization of *Mycobacteriophage* sp. *Faith* 1.
* Kenee Daffin, BIO320. Effects of protein electrostatic property on protein interactions in yeast.
* Corin White, BIO320. Using support vector machine to predict longevity genes.
* Charita Montgomery and Whitney Payton, BIO320. Aging and gene networks.
* Lolade Bolaji, volunteer. R and biostatistics.