



CNHS Newsletter

January 2019

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Dean Greenwood's Note

Colleagues,



Welcome to a new semester in the College of Natural and Health Sciences! I hope your holidays were refreshing and relaxing, and that the new year has started well for each of you. I love the positive energy at the University of Tampa, and I encourage each of you to use that energy to engage with our students.

Connect with students for research opportunities and experiential education.

Transform their world with your pedagogical innovations and by exposing them to your research.

Help them develop the intellectual and experiential tools they need to **Succeed**, no matter what their goal.

I also hope that you will connect with new colleagues across the College and across campus, and form new relationships with others. I look forward to working with each of you throughout the rest of the year, and I welcome your conversations, questions, and feedback.

Welcome New Faculty!



Professor June Bryant, Nursing



Professor Danielle Snow, Nursing

Faculty and Student Accomplishments



From left to right: **Professors Pavan Rajanahalli, Jeff Grim, Sarah Cuccinello, and Jeanette Gore** attended the National Association of Biology Teachers Conference in San Diego. They presented a two-week method of laboratory instruction for integration of inquiry-based learning. Students followed a basic protocol to test algae beads under light and dark conditions in order to observe rate of change in carbon dioxide. Also, students followed a basic protocol to test algae beads under light and dark conditions in order to observe rate of change in carbon dioxide.

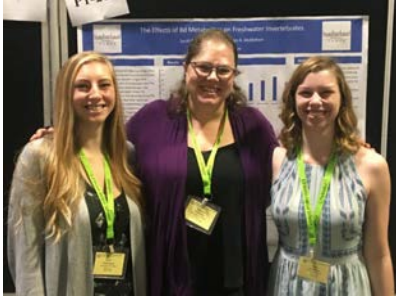
Today prospective parents require quality information regarding birth location more than ever!

Since evidence based research does not reach patients for at least 10 years, **Professor Joanne (Jody) Stevens** wanted to create a YouTube video based off a quality article that she and **Professor Carol Botwinski** published in *Women's Healthcare: A Clinical Journal for Nurse Practitioners*.

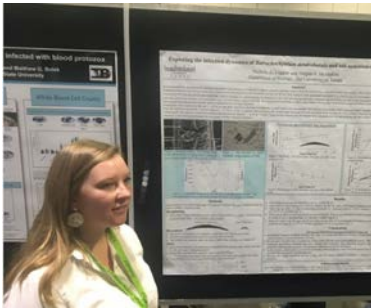
This project was a team effort by **Professors Botwinski and Stevens** and **Jordan McPhee** one of the Family Nurse Practitioner students using the new simulation lab. Professor Stevens notes, "Dean Greenwood and Provost Stern have been wonderfully supportive! The videographer was a UT alum, **Zach Greshman**, from Adventure Marketing. My hope is that more quality education is provided for parents seeking information on best practices when having their babies as well as on other health related topics!"

[Women's Health Video](#)





Shown left: **Professor Taegan McMahon** and Senior Biology majors, **Caitlin Nordheim** and **Sarah Detmering**, who presented research at the Society of Integrative and Comparative Biology's annual conference. The title of the Caitlin's research project was "Growth rates and morphological differences in five strains of *Batrachochytrium dendrobatidis*." The title of Sara's research was entitled "The effects of Bd Metabolites on Freshwater Invertebrates."



Pictured left: **Nichole Laggan** (UT alumna) presented a poster on "Exploring the infection dynamics of *Batrachochytrium dendrobatidis* and soil nematodes: a host parasite system"

Congratulations to **Professor Simon Schuler** for his publication in the *Astrophysical Journal*.

Title: Pushing Automated Abundance Derivations Into the Cool Dwarf Regime: A Test Using Three G and Two K Stars in Praesepe

Authors: Marwan Gebran (Notre Dame Univ.-Louaize), Marcel A. Agüeros (Columbia Univ.), Keith Hawkins (Univ. of Texas- Austin), **Simon C. Schuler (UT)**, and Brett M. Morris (Univ. of Washington).



Community Engagement



AP Science Day

In December, AP students from Hillsborough County came to UT to gain experiential education in Biology, Chemistry and Nursing with **Professors Cindy Parsons, Sneha Krishnamurthy, Haydn Rubelmann, Kristine White, Julia Chan, Heajin Lee and Matthew Wilson**. They performed experiments on (1) mammalian diving reflex to understand the involvement of sympathetic and parasympathetic responses in diving and (2) frog dissection to study anatomy. They were provided a tour of the nursing lab and simulators followed by activities on hygiene and communicable disease, and assessment of circulatory system (blood pressure, pulse oximetry, heart and lung sounds).

The juniors in biology studied photosynthesis in algae beads by using a carbon dioxide indicator. Students then designed their own experiments to analyze the effects of various parameters on the rate of photosynthesis. The Chemistry projects involved analyzing solutions containing metal





ions: one qualitatively that determined what metal ions were present in an unknown, and the other quantitatively measured the concentration of nickel(II) ions in a sample. Special thanks to **Jeannette Gore** for coordinating these events. Also, thanks to Bio 198 students: **Coley Tosto, Elizabeth Burke, Wyatt Larrinaga, Matt Gamache** (who presented and taught); and Bio 199 students: **Samantha Courtney** and **Ryan Tharp** (who presented and taught).

Student Accolades

Nursing hosted the Fall inductions for Sigma Theta Tau International, the honor society of nursing. The mission of Sigma Theta Tau is to advance world health and celebrate nursing excellence in scholarship, leadership, and service.

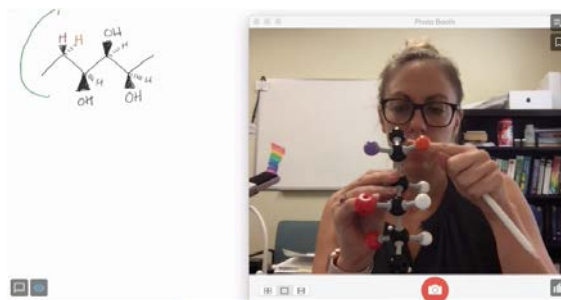
The Delta-Beta-At-Large chapter is affiliated with the USF school of nursing. Eighteen UT new BSN students and 17 MSN students (from UT) accepted membership. Students must excel in academic performance and meet the professionalism requirements in order to qualify for invitation. This organization was founded in 1922 by six nurses who chose the name from the Greek words that represent love, courage, and honor.



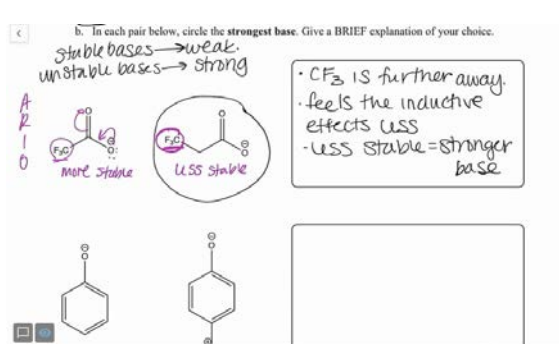
Biology 390 students submitted Scanning Electron Microscope images for an internal UT competition. Contest winners were **Jasmine Cherry, Alex Perez, and Alex Sullivan**. The images were voted upon by faculty and students.

Pedagogical Strategies

Professor Christine Theodore is using iPads in class to reinforce learned concepts with short review videos. These videos are meant for students to review after class or while studying for exams. They are short overviews of topics so that the students have a foundation to complete practice problems and better understand the textbook content. **Professor Theodore** stated "I think students appreciated having videos geared very specifically to the material we cover in lecture and explained by me in a way they are

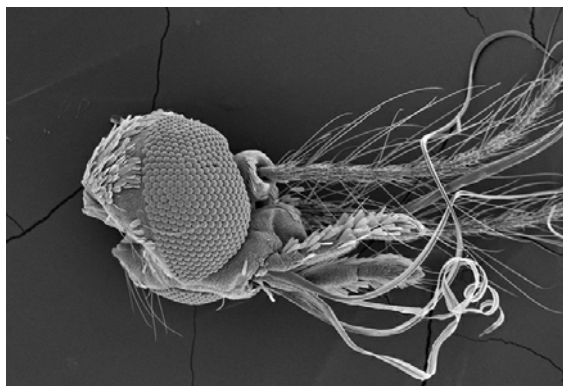


accustomed to hearing." Additionally, she is using the I Pads to partially flip the lecture course. "These videos are meant to be watched prior to coming to class and take the place of a traditional homework assignment. The goal is for the students to be introduced to a concept and spend class time working together in small groups on practice problems related to the videos", stated Theodore.



In The News!

Click the image below to read more about the exciting electron microscope experiences of **Professor Kristine White** and her students!



Faculty Grant/Funding Awardees

Congratulations Board of Fellows Grantees!

Professors Eric Freundt (Biology) and **Eric Werner** (Chemistry) - Spartan Success Alumni Lecture Series.

Professor Eric Arnold (Health Sciences and Human Performance) - An Exercise Program Comparing High-Intensity Interval Exercise Training to Moderate-Intensity Continuous Exercise Training on the Metabolic and Inflammatory Profile in Prediabetes Patients.

Professors MaryAnn D'Alesandro (Nursing) and **Mary Martinasek** (Health Sciences and Human Performance) - Disaster Response Research and Preparation Bag Initiative.

Congratulations International Program Grantees!

Professor Heather Masonjones (Biology) - International Collaboration to Study Seahorses and Octopus in a Tidal Lake in the Bahamas.

Professor Robin White (Nursing) - Community Health and Indigenous Knowledge in China.

Professors Claudia Aguado Loi, J.C. Andersen and **Nauris Tamulevicius** (Health Sciences and Human Performance) - UT Health Science and Human Performance and UCD Lecture Series and Collaboration Projects.

Professor Nauris Tamulevicius (Health Sciences and Human Performance) - Intellectual Disability, Exercise and Aging: The IDEA Study.

External Grant Funding Resource

The University of Tampa has a trial subscription with GrantForward, a funding opportunity search and recommendation service, through May of 2019. It is open to all faculty, students, and staff.

GrantForward (see quick [overview video](#)) helps you find grant opportunities with a database representing over 12,000 sponsors. Your students may also use grant forward to search for fellowships, scholarships, and internships. You can search for grants by keywords and advanced filters, save your favorite searches for new grant alerts, and save your favorite grants to keep track of them. GrantForward also recommends grants to you based on your CV, past publications, and research interests. Visit [GRANT FORWARD](#) to start the process of finding your next funding opportunity.

An Opportunity to Say Thank You

The [CNHS Homepage](#) now offers an opportunity for thanks to be given to a student, graduate assistant, staff member, faculty member or anyone within the college. After submission of the online form, a card will be delivered with the message to the receiver on behalf of the sender and can be displayed either publicly or privately.

Send a Thank you

Has someone in the College of Natural and Health Sciences had a positive impact on you or your student? If so, you can use this form to send this special person a message.

[Send a Thank you](#)

Time Saver Tip



Save time when sending repeated email scripts!

Do you find yourself sending the same email to students at various times throughout the semester?

For example, academic advising may send you a student's audit for graduation. You may have a script email that you typically write each time and send to the student.

A time saver is to create an Outlook email template. These template can then be easily inserted while in email and save you time!

For more information, view the steps for using [My Templates](#).

Important Dates and Links

[UT Master Calendar](#)

[UT Academic Calendar](#)

Academic Awards Banquet - April 11 at 3 p.m. in Fletcher Lounge

CNHS Awards Banquet - April 18 at 3 p.m.

[CNHS Undergraduate Research Symposium](#) - May 3

[Career Services Spring Events Schedule](#)



Dean Greenwood's Starbucks out-of-office hours are 9:30-10:30am each day as noted below.

Thursday, January 31

Friday, February 8

Wednesday, February 13

Please send future news items to jdavila@ut.edu