



## CNHS Newsletter

Fall 2022

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### Dean Greenwood's Note



This is a double “Welcome Back” for this newsletter; one to welcome you back for the academic year, and one to welcome you back after a challenging week with Hurricane Ian. Most of us at UT fared fairly well through the hurricane, but some did not, and certainly our thoughts and best wishes go out to the many people south of us who experienced the devastation of a direct hit from Ian. My special thanks go out to the many offices on campus that prepared the university for the storm, especially campus safety and facilities. The office of Student Affairs did superhuman work evacuating over 4000 students in less than 24 hours. Thanks to all of you for keeping us safe!

With this newsletter, we welcome many new faculty members and staff, and celebrate the ongoing scholarship, teaching, advising, and community service of our faculty and staff, and the scholarship of our students. It’s been a very busy summer.

I also invite anyone to my “Out-of-Office Hours” at the campus Starbucks from 8:30-9:30am on Wednesday, October 12<sup>th</sup>, Thursday, October 20<sup>th</sup>, or Friday, November 4<sup>th</sup>.

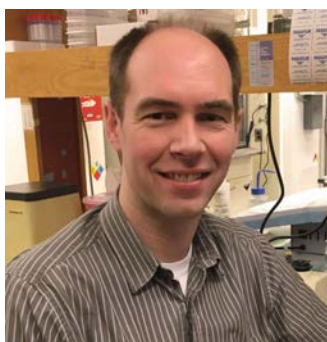


## Welcome all New and Returning Faculty!

### 2022 New CNHS Faculty



**Professor Kevin Mattocks**  
Health Sciences and  
Human Performance



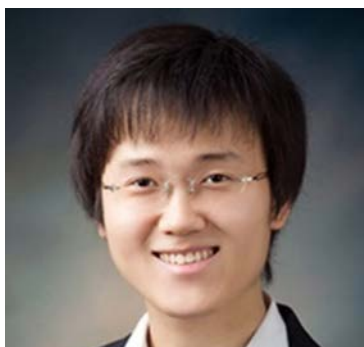
**Professor Michael French**  
Biochemistry



**Professor Melissa  
Rumbley**  
Health Sciences and  
Human Performance



**Professor Shanda Vereen**  
Health Sciences and Human  
Performance



**Professor Jinhyun Lee**  
Health Sciences and Human  
Performance



**Professor Sara Gramata**  
Sport Management



**Professor Garrett Lentz**  
Environmental Studies



**Professor Baron Thompson**  
Health Sciences and Human  
Performance



**Professor Beth Geraldts**  
Physician Assistant Medicine



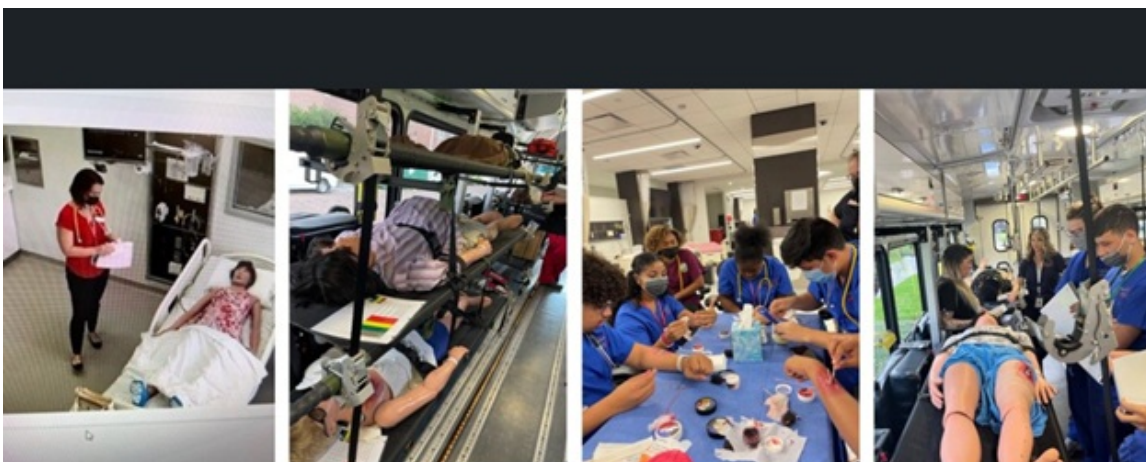
**Professor Bob Fortosis**  
Sport Management

## CNHS Happenings

On June 9th, the Nursing Skills and Simulation Lab (NSSL) hosted the students from B.E.S.T (Brain Expansion Scholastic Training) Academy for an immersive camp day. The B.E.S.T Academy is a competitive mentoring program for middle and high school students interested in becoming healthcare providers. B.E.S.T provides the students with ongoing mentoring, medical experiences, and support from their induction through post-secondary education and beyond.

During the immersive camp day at UT, the B.E.S.T Academy students learned how to create realistic medical moulage, and rendered first aid for a simulated snake bite and anaphylactic shock victims. The immersive camp day was sponsored by UT and included partners at the James A. Haley V.A. Hospital, Sigma Theta Tau International Delta Beta at Large Chapter, Grace Clinic, and USF College of Nursing. The nurse educators from the James A. Haley VA Hospital brought over their simulation bus and taught students how to triage a mass disaster scene and certified students and all volunteers that were interested in Stop the Bleed for mass casualty events.

The immersive camp day provided a great opportunity for budding healthcare students to experience hands-on medical training, provided certification in the Stop the Bleed program, and gave students and educators an opportunity to work with healthcare providers and educators within the local community. Feedback from the B.E.S.T Academy administrators stated that the UT NSSL Immersive Camp Day was the highlight of this summer's camp week for their students and have requested our participation next year!



James A. Haley VA Medical Center Sim Bus Disaster Scenario and Stop the Bleed training to save lives in emergencies

A simulated escape room with Ms. Moyer and Ms. Coleman allowed the students to test their problem-solving skills

Medical moulage with Dr. June Ulerena. Students were able to create very realistic wounds and had a great time learning about the uses of medical moulage



**Congratulations to the following CNHS Faculty who received the  
Outstanding Faculty Advisor Award for 2021- 2022 from the  
University of Tampa Advising Committee**

MaryAnn D'Alesandro, Nursing  
JC Andersen, Health Sciences and Human Performance  
Michele Crosby, Chemistry  
Kim Dobrinski, Biology  
Kenyon Evans-Nguyen, Chemistry  
Bridgette Froeschke, Environmental Studies  
Tom Jackman, Cheminstry  
Lauren Logsdon, Biology  
Robert Masserini, Chemistry  
Michael Middlebrooks, Biology  
Robert McKnabb, Health Sciences and Human Performance  
Lori McCrae, Biology  
Kim Morris, Health Sciences and Human Performance  
James Weiner, Sport Management  
Jennifer Wortham, Health Sciences and Human Performance

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## **Student Success**

### **2022 Summer Undergraduate Research Fellows**

**Safe and Effective Electrostatic Capture of Forensic Evidentiary Residues Using a  
Children's Toy.**

Madison Autrey, Forensic Science  
Kenyon Evans-Nguyen, Chemistry

**Examining the Sustainability of the Florida Stone Crab (Menippe Mercenaria)  
Fishery: Testing Intraspecific Interactions between Single and Two-Clawed  
Individuals and its  
Impact on Population Dynamics.**

Talia Barry, Marine Science-Biology  
Kristian Taylor, Biology

**Enantioselective Aziridinium/Fluornium Ion Formation Using Lewis Base Catalysis.**

Thalia Garcia, Chemistry  
Brett Hemric, Chemistry

**The Ecological Impacts of Invasive Cane Toads (Rhinella Marina) on Native Florida  
Species.**

Michael Garvey, Marine Science-Biology  
Jacob LaFond, Biology

**Spacialtemporal Models of Gray Snapper in Tampa Bay.**

Zoe Golden, Marine Science-Biology  
Bridgette Froeschke, Biology

**Assessment of RGS4 Gene Expression Changes in Polyphenon E-Treated Human  
Prostate Cancer Cells.**

Ethan Vallebuona, Biochemistry  
M. Luis Carastro, Biology

**Evaluating Various Genome Assemblers on Sea Slug Genomic Data.**

Meghan Violette, Biology  
Pad Mahadevan, Biology

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## **Faculty and Student Scholarship**

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**Professor Eric Werner** presented an invited talk at the NSF sponsored National Workshop: Resilient Supply of Critical Minerals. Hosted virtually by the Missouri University of Science and Technology over August 4–5, this event brought together researchers spanning the disciplines of chemistry, geology, engineering, and political science to discuss challenges related to critical material acquisition. Professor Werner's talk, entitled "Development of rare earth element separation methods utilizing a tripodal CMPO ligand system," highlighted efforts from his undergraduate research team aimed at more efficient recovery of the lanthanide metals needed for high-tech products such as smart phones and electric vehicles.



**Professor Rob Masserini**, former UT students Emily Friden '22 and Hannah Hunt '20, and colleagues from Mote Marine Labs published the manuscript, "An improved reverse flow injection analysis (rFIA) technique for determination of nanomolar concentrations of ammonium in natural waters with automatic background fluorescence detection: Ammonification during a *Karenia brevis* bloom in Tampa Bay".

The publication centers on a more accurate and precise method for determination of ammonium in natural waters and was applied to the intense Red Tide event last summer in Tampa Bay. A reviewer offered the following summation "The method is efficient, has a nice sample throughput and an impressive nanomolar Limit of Quantitation. Robust low level ammonium methods are few and far between and will be used by the scientific community at large."

[https://authors.elsevier.com/sd/article/S0304-4203\(22\)00075-5](https://authors.elsevier.com/sd/article/S0304-4203(22)00075-5)

**Professor Michael Middlebrooks** participated in an oral presentation, presented at the Teaching Symbiosis workshop and authored a poster at the International Society of Symbiosis meeting in Lyon, France. He also presented an oral presentation at the World Congress of Malacology in Munich, Germany.

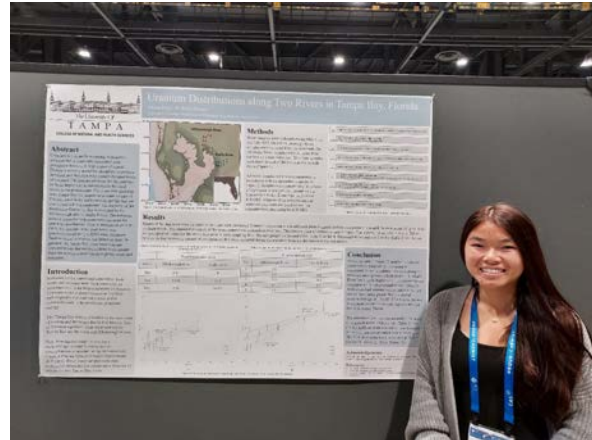


**Julia Piper**, research student of Professor Michael Middlebrooks, authored a poster presentation and won first place in the Science Slam, a 5-minute research presentation competition at the World Congress of

Malacology in Munich, Germany.  
Congratulations Julia!



**Professor Kelly Deister** and her undergraduate research student, Allie Patys, attended the National Fall Meeting of the American Chemical Society held in Chicago, IL in August. Allie presented a poster titled “Uranium Distributions along Two Rivers in Tampa Bay, Florida” in both the Sci-Mix session and the General Environmental Chemistry session. The Sci-Mix session consists of abstracts selected by division program chairs and represents the most exceptional abstracts submitted to participating divisions.



**Professor Eduardo De Souza** coauthored: *Loaded Inter-Set Stretch May Selectively Enhance Muscular Adaptations of the Plantar Flexors*, published in Plos One. This paper investigated the effects of adding passive loaded inter-set stretching on muscle size and strength.  
Available at: [10.1371/journal.pone.0273451](https://doi.org/10.1371/journal.pone.0273451)



**Professor Joseph Walters** coauthored: *Can*



*Bodybuilding Peak Week Manipulations Favorably Affect Muscle Size, Subcutaneous Thickness, and Related Body Composition Variables? A Case Study*, published in Sports. This paper observed specific variables (e.g., lean body mass, intra-extracellular water, fat mass, etc.) that are altered through dietary strategies leading up to a body building competition.

Available at: <https://www.mdpi.com/2075-4663/10/7/106>



HSHP faculty **Professor JC Andersen, Professor Eduardo De Souza, Professor Abraham Miller, and Professor Joseph Walters** and HSHP students presented nine abstracts at the National Strength and Conditioning Association (NSCA) National Conference, July 6-9, New Orleans:

Barsuhn, AS., Wadhi, T., Zazzo, SD., Thompson, BK., Gotla, T. **Andersen, JC., Miller, A., Walters, J., De Souza. E.** Do Individualized Resistance Training Volume Progressions Impact Perceptual Assessments in Resistance Trained Men?

Frigo, JA., MS, Mehta, HS., **Andersen, JC.** Performance Metrics and Match Outcome in NCAA Division II Women's Soccer: A Single Season Study.

Gotla, T, Barsuhn, AS., Zazzo, SD., Thompson, BK., Wadhi, T., Bradshaw, JT., **Andersen, JC., Miller, A., Walters, J., De Souza. E.** Is More Always Better? The Effects of Individualized Volume Progressions on Hypertrophic Adaptations in Resistance Trained Men.

Thompson, BK., Barsuhn, AS., Zazzo, SD., Wadhi, T., Barakat, C., Gann, J., **Andersen, JC., Miller, A., Walters, J., De Souza. E.** Can Individualized Volume Progressions Enhance Strength Adaptations in Trained Individuals?

Inglima, SC., Bradshaw, JT., Barsuhn, AS., Barakat, C., Thompson, BK., Gotla, T, Zazzo, SD., **De Souza. E., Miller, A., Walters, J.** The Effect of *Myo Rep* Versus Traditional Resistance Training on Maximal Bench Press Strength in Resistance-Trained Males – A Preliminary Study.

Sanzo, KA., Bradshaw, JT., Gotla, T, Zazzo, SD., Barakat, C., Thompson, BK., **Miller, A., Barsuhn, AS., De Souza. E., Walters, J.** The Effects of Different Set Configurations: *Myo Reps* versus Traditional Training on Muscle Activation in Trained Males.

Zazzo, SD., Barsuhn, AS., Wadhi, T., Gotla, T., Thompson, BK., Barakat, C., **Walters, J. Andersen, JC., De Souza. E.** Regional Muscle Mass Accrual and Fat Mass Changes Following Individualized Volume Progression in Trained Males.

Bradshaw, JT., Barakat, C., Barsuhn, AS., Inglima, SC., Gotla, T., Thompson, BK., **De Souza. E., Walters, J.** Muscular Adaptations Following 8 Weeks of A *Myo Reps* Set

Bradshaw, JT., Barakat, C., Barsuhn, AS., Escalante, G., Stevenson, S., Tinsley, G., **Walters, J.** The Impacts of a Bodybuilder's Peak Week Practices on Body Composition, Muscle Size, Subcutaneous Thickness, And Body Water Distribution: A Case Study.

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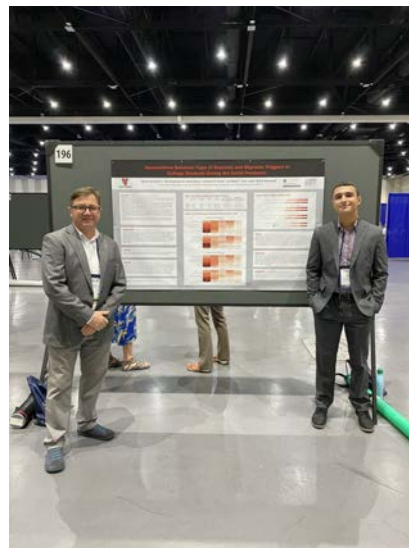


**Professor Nauris Tamulevicius** in collaboration with colleagues and students presented at the American College of Sports Medicine Annual Meeting and World Congress, May 31-June 4, San Diego, CA.:

**Tamulevicius N., Aguado Loi C.X.,** Paneru K, Oviedo G.R., Wadhi T, Lubiak S., **Martinasek M.P.** "Associations Between Type Of Exercise And Migraine Triggers In College Students During The Covid Pandemic".

**Professor JC Andersen** in collaboration with colleagues and students presenter at the American College of Sports Medicine Annual Meeting and World Congress, May 31-June 4, San Diego, CA.:

**Andersen JC,** Chettiar E, Wadhi T, Krkeljas Z, Patankar Y, Polizzi L, **Tamulevicius N.** The Effect Of Pronated Versus Non-pronated Feet On Jump Parameters In Female Collegiate Athletes.



**Professor Nauris Tamulevicius** in collaboration with colleagues from Spain published an article in Frontiers in Physiology (IF 4.755):

Oviedo GR, Carbó-Carreté M, Guerra-Balic M, **Tamulevicius N,** Esquius L, Guàrdia-Olmos J and Javierre C (2022), Hemodynamic and cardiorespiratory responses to submaximal and maximal exercise in adults with Down syndrome. Front. Physiol. 13:905795.

Available at: <https://doi.org/10.3389/fphys.2022.905795>

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[UT Master Calendar](#)  
[UT Academic Calendar](#)

October 17 - First 7-week classes end  
October 19 - Second 7-week classes begin  
October 26 - Deadline for graduate candidate names to appear in the December Commencement Program  
October 31- Registration begins for Spring and Winter  
November 7 - Last day to withdraw from 14-week class  
November 15 - Last day to withdraw from second 7-week class  
November 23 - Thanksgiving Break  
December 10 - Last Day of Fall Classes  
December 12 - Fall final exams  
December 15 - Fall Semester ends  
December 16 - Fall Commencement  
December 19 - Fall Grades Due

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Please send future news items to [jdavila@ut.edu](mailto:jdavila@ut.edu)