

CBAS Scholars Week Poster Competition Results

The CBAS Research Committee is pleased to announce the results of the CBAS 2021 Scholars Week Virtual Poster Competition. Thank you to all participants in the virtual poster session. The contributed posters demonstrate a deep commitment to research across the college and provide insight into the variety of research taking place in CBAS. Posters can be viewed **through April 23, 2021** at: <https://symposium.foragerone.com/mtsuscholarsweek/presentations>.

Congratulations to the winning authors and their faculty mentors!

Undergraduate Level

	Presenter	Title	Department	Faculty Mentor
1st Place	Laine Matthews, Thippaphone Niravong, and Mariana De Araujo Bryan	Exploring Undergraduate Biology Students' Attitudes and Science Communication about COVID19 and COVID19 Vaccines	Biology	Liz Barnes
2nd Place	Emily Stafford	Influence of Varying Kudzu Leaf Meal Particle Sizes Added to a Broiler Diet	School of Agriculture	K. M. Downs
3rd Place	Cameron Maddux	Synthesis of Functionalized Peptoids Designed to Coordinate to Quantum Dots for Use in Biomedical Applications	Chemistry	Kevin Bicker

Masters Level:

	Presenter	Title	Department	Faculty Mentor
1st Place	Deborah Nwadiobie	Mono- And Digalactosyldiacylglycerol Composition of <i>Pedinomonas minor</i> , <i>Pedinomonas sp.</i> , <i>Pyramimonas parkae</i> , <i>Pyramimonas obovata</i> . A Quest To Reconcile These Secondary Plastid Ancestors Of The Dinoflagellate <i>Lepidodinium chlorophorum</i>	Biology	Jeff Leblond

		<i>and Euglenid Euglena gracilis</i>		
2nd Place	Fady Tawfik	An Advanced Convolutional Neural Network for Detecting Chest X-ray Abnormalities	Computer Science	Xin Yang
3rd Place	Juan Garcia Mendez	Toward Sustainable Municipal Solid Waste Management: Biogas Generation in Middle Tennessee Landfills	Engineering Technology	Mina Mohebbi

Doctoral Level:

	Presenter	Title	Department	Faculty Mentor
1st Place	Olukayode Shiroye	Relativistic Analytical Wave Functions For All Neutral Atoms from the Dirac-Hartree-Fock Calculations	COMS Program/ Chemistry	Anatoliy Volkov
2nd Place	Gabriel Toban	Interpretable CNN and GRU For REM Sleep Stage Identification With Raw Single Channel EEG	COMS Program/ Mathematics	Don Hong
3rd Place	Thomas Torku	Epidemiology informed deep learning optimal control model for COVID-19 vaccination strategy	COMS Program/ Mathematics	Abdul Q.M. Khaliq

Presenter Emails

mfd2r@mtmail.mtsu.edu; tss4t@mtmail.mtsu.edu; lem4y@mtmail.mtsu.edu;
cmn3r@mtmail.mtsu.edu; emilystaff116@gmail.com; gtobanit@gmail.com;
oos2b@mtmail.mtsu.edu; TTORKU01@GMAIL.COM; deborahnwadibie@gmail.com;
ft2p@mtmail.mtsu.edu; jjg4m@mtmail.mtsu.edu

Faculty Mentor Emails:

Liz.Barnes@mtsu.edu; Kevin.Bicker@mtsu.edu; Kevin.Downs@mtsu.edu; Jeff.Lebond@mtsu.edu;
Xin.Yang@mtsu.edu; Mina.Mohebbi@mtsu.edu; Don.Hong@mtsu.edu;
Anatoliy.Volkov@mtsu.edu; Abdul.Khaliq@mtsu.edu