



Credit: Jace Tunnell, UTMSI

Marine Science News

The University of Texas at Austin
Marine Science Institute
Activities and Events



4th Quarter 2015

DISCOVERY STARTS HERE

Administrative Services

Discovery Fellowship

The University of Texas Marine Science Institute (UTMSI) initiated a new Discovery Fellowship in Marine Science. This highly selective doctoral studies fellowship will support an exceptional student with full tuition, competitive salary, fringe benefits, and subsidized housing for five years. The application process has just ended and the fellowship will begin in the 2016 school year.

New Tenured Associate Professors

This fall, UTMSI is pleased to announce that Drs. Bryan Black and Zhanfei Liu have been promoted to Associate Professor. Both of these researchers have a tremendous amount of experience and are blazing new trails in their respective fields. Dr. Black recently published two manuscripts in the journal *Science*, which is one of

the most respected scientific journals in the world. Dr. Liu is a blossoming leader in the chemistry of oil, and his results are well sought after in the wake of the Deep Water Horizon oil spill.

UTMSI Picnic was Scarily Good

This Halloween, UTMSI friends and family celebrated being a part of the Institute with a picnic at Robert's Point Park. The event was complete with children and adult costume contests, a piggy perch fishing tournament, and plenty of food and games. The winners of the children costume contest were: *most accurate*, Hunter Pelfrey (Halo

Master Chief); *scariest*, Bepo Uljevic (Ninja); and *most creative*, Chloe Converse (Old lady). The winners of the kid-at-heart (aka adult) costume contest were: 1st place Andrew Esbaugh (basketball player), 2nd place Mary Rodriguez (witch), and 3rd place Christina Bonsell (lobster). The winners of the piggy perch contest were: 1st place Bepo Uljevic with nine fish, 2nd Parker Tunnell with seven fish and 3rd place Ian McClelland with six fish in a fish-off! Special thanks goes to Meredith Evans, Patty Webb, Jamey Pelfrey, and Olivia Gonzalez for organizing and coordinating the event.

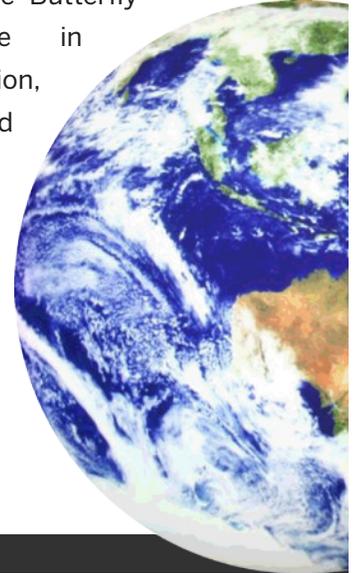


Adult costume contest participants. Credit: Patty Webb, UTMSI.

Where We've Been

- In September, researchers and staff presented at and/or attended the Behavior Change Workshop in Naples, Florida; Gift Show Market in Dallas, Texas; UT College of Natural Sciences Advisory Council Meeting in Austin, Texas; International Council for the Exploration of the Sea Conference in Copenhagen, Denmark; and the National Centers for Coastal Ocean Science and National Association of Marine Laboratories Summit Meeting in Washington D.C.
- In October, researchers presented at and/or attended the Organic Matter Spectroscopy Workshop in Sopot, Poland; National Association of Marine Laboratories in Fort Pierce, Florida; 16th Annual Texas Conference for Women in Austin, Texas; and the NERRS/NERRA Annual Meeting in Mobile, Alabama. Researchers, Lee Fuiman and Erin Frolli finished their field work in Antarctica.
- In November, researchers presented at and/or

attended the Society for Advancement of Chicanos and Native Americans in Science Conference at National Harbor, Maryland; Coastal and Estuarine Research Federation Meeting in Portland, Oregon; Arctic Observing Open Science Meeting in Seattle, Washington; 8th Symposium on Harmful Algae in the U.S. in Los Angeles, California; and the Butterfly Professionals Conference in Phoenix, Arizona. In addition, there were several field expeditions to recover an autonomous vehicle in Kawaihae, Hawaii; participate in collaborative research in Vancouver, Canada; and participate in research expedition in Cabo San Lucas, Mexico.



Faculty Facts

Advisory Committees

- Director, Robert Dickey provided guidance to the National Oceanic Atmospheric Administration (NOAA) Science Advisory Board on the NOAA RESTORE Act Science Program.
- Dr. Dickey also participated in NOAA's Blue Ribbon Panel to provide strategic direction to the National Estuarine Research Reserve System.
- Dr. Dickey participated in National Centers for Coastal Ocean Science and National Association of Marine Laboratories Summit Meeting.

Awards

- Dr. Brett Baker was awarded first place in the UT's College of Natural Sciences Visualizing Science Competition.



Dr. Baker and his award winning image of microbial DNA fragments sequenced from the Gulf of Mexico dead zone. Credit: Steven Franklin, UT CNS.

Note-worthy Manuscripts & Reports

Red Tide Keeps Researchers Busy

University of Texas Marine Science Institute (UTMSI) scientists were the first to confirm that red tide was present in the Gulf of Mexico, specifically Fish Pass and the Port Aransas Ship Channel. The harmful algal bloom affected the majority of the Texas coast and lasted for approximately

3.5 months, beginning on September 12th. Significant numbers of *Karenia brevis*, which is a type of microscopic alga, were the culprits to the red tide event which caused respiratory distress and several fish kills on the beach and bay shorelines. Drs. Deana Erdner and Ed Buskey worked with colleague Dr. Lisa Campbell from Texas A&M College Station to collect daily cell count data. Dr. Erdner made daily reports to the Port Aransas Chamber of Commerce so they had accurate information for tourists.



Whale sharks are the largest fish in the ocean. Their large size is both a challenge and virtue when it comes to eating. Credit: Wayne Osborne.

Whale Sharks Energy Use and Feeding Biology

Whale sharks, the world's largest fish, would seem to have a problem. They are adapted to warm water and their enormous body requires a large amount of energy, yet they feed on plankton that are a tiny fraction of their size and contain relatively little energy. The plankton don't make it easy either; they descend in great swarms to the cold depths of the ocean during the daytime, forcing whale sharks to feed in the cold deeper waters and risking a serious drop in body temperature. Dr. Lee Fuiman and colleagues are understanding how whale sharks manage their energy needs while staying warm. They attached state-of-the-art technology to the sharks to record their fine-scale movements, and satellite tags to record their longer movements in deeper waters. The researchers discovered that the whale sharks save energy while feeding by using long downward glides followed by shorter, steeper returns to the surface, where they bask in the warm water before

gliding downward again. This gliding allows them to feed using virtually no energy for motion. The sharks are able to retain the heat they accumulate at the surface because of the thermal inertia provided by their enormous size. The scientists postulate that when the sharks are deep, their blood cools when cold water flows across their gills but is prevented from cooling their muscles and internal organs by the unusual anatomy. The majority of blood-rich tissue is isolated along the upper part of the body, allowing heat to be retained near the core where the important organs are. Conservation of heat and energy while diving for food in colder waters appears to be the key to survival for these massive animals. The study was released in the journal *Frontiers in Marine Science*, in mid-September.

Scavengers of the Deep Sea

New study published in *Nature Communications* revealed that microbes, major sources of global carbon, that live in the deep sea are true scavengers. Scientists from the University of Michigan and The University of Texas (Brett Baker and Chip Brier) used genetics to figure out what dominant ocean microorganisms are eating. Five different groups called Archaea from deep sea depths ranging from 0.5 - 3 miles deep were studied. The majority of the microbes were actively consuming many different types of food from proteins to carbohydrates to fatty acids. This new finding has large implications and will allow scientists to better understand how carbon is recycled on the planet.



Researchers looked at microbes in hydrothermal vent plumes, pictured, and pelagic background seawater across three different ocean basins. Credit: Jon Copley, NERC.

Building Trust with Anglers & Stakeholders - a small investment for a big reward

Hundreds of fish species in more than 50 countries across the globe migrate to specific locations to breed in large numbers for only a few days or weeks each year. Although many anglers have traditionally capitalized on these events, known as fish spawning aggregations, only a fraction of known seasonal breeding areas and events are protected or monitored.



Many species of fish in the Gulf of Mexico like this goliath grouper come together and form dense aggregations to spawn. Scientists will begin to compile existing data on these aggregations to get a better understanding of the fisheries, which can help resource managers figure out just how many fish really are in the sea. Credit: Nick Farmer, NOAA.

Spawning aggregations and the fisheries that depend on them are the subject of a paper by Brad Erisman, assistant professor at The University of Texas Marine Science Institute, and colleagues in the journal *Fish and Fisheries*. Better management of fish spawning aggregations would benefit people, as well as marine life. The scientists say new advances in affordable technologies and knowing when and where these aggregations occur make it easier to effectively monitor spawning aggregations and related fishing. That sort of monitoring would inform appropriate limits — for a given area and its species that spawn there. The result would be more sustainable, productive and profitable fisheries over time. Funding for the marine scientists' research came from the National Science Foundation, the Walton Family Foundation and the David and Lucile Packard Foundation, among others.

New Funding Received Since September

(Primary funding organization in parenthesis)

- National Estuarine Research Reserve Operations - Jace Tunnell (National Oceanic and Atmospheric Administration)
- Refining pigfish fingerling production for commercial aquaculture - Lee Fuiman (National Oceanic and Atmospheric Administration Sea Grant)
- Cooperative Monitoring for spawning aggregations in the Gulf of Mexico: An Assessment of Existing Information, Data Gaps and Research Priorities Cooperative - Brad Erisman (National Oceanic and Atmospheric Administration RESTORE Act Science Program)
- Combining Passive- and Active-Acoustic sampling to assess the effects of boat noise and fishing activities on the distribution, abundance and behavior of spawning croakers - Brad Erisman (National Oceanic and Atmospheric Administration Advanced Sampling Technologies Research Group)
- Increasing Fishing Opportunities and Creating Jobs through Baitfish Aquaculture - Lee Fuiman (National Oceanic and Atmospheric Administration)
- Fennessey Ranch Education Access and Hydrology Improvements to McGill Lake - Jace Tunnell (US Fish and Wildlife Service Coastal Program)
- Cooperative Research with recreational anglers to map spawning habitat of spotted seatrout in Mission-Aransas National Estuarine Research Reserve - Brad Erisman (Texas State Aquarium)
- Migrating Monarch Butterflies' Use of Offshore Oil Platforms - Tracy Villareal (Texas State Aquarium)
- Contribution of terrestrial organic matter to estuarine acidification and hypoxia development - Zhanfei Liu (National Oceanic and Atmospheric Administration)
- Professional development for undergraduate students majoring in the biological sciences - Chris Shank (Provost Teaching Fellowship)
- Dynamic sinking behavior in diatoms: New insights from individual-based high resolution video observations - Tracy Villareal and Ed Buskey (National Science Foundation)
- Resolving microbial biogeochemical interactions on

- algal cell surfaces - Brett Baker and Deana Erdner (The University of Texas Office of the VP for Research)
- o Ecosystem Services integrated assessment within the Mission-Aransas NERR - Jace Tunnell (Texas A&M University - Corpus Christi)
- o A long-term seagrass monitoring program for Upper Laguna Madre, Padre Island National Seashore - Ken Dunton (National Park Service)
- o Trash or Treat - Sara Pelleteri (Texas General Land Office)
- o Inventory of Gulf of Mexico ecosystem indicators using an ecological resilience framework - Ken Dunton (Nature Serve/NOAA)

External Affairs

Representation Around the State

- o Dr. Robert Dickey presented to the Texas Exes in October.
- o Georgia Neblett attended the Texas Desal Conference in late September.
- o Georgia Neblett was reappointed to the Texas Windstorm Insurance Association Board as a coastal tier one representative.



UTMSI stays on top of the key issues affecting our local area, including a desalinization conference. Georgia Neblett of UTMSI pictured with Honorable Todd Hunter (Texas House of Representatives).

Indonesian Guests

Six up-and-coming leaders from the nation of Indonesia were invited by the U.S. Department of State to collaborate and learn about U.S. fisheries and management of our oceans. Their stop in Texas featured a visit to our research and facilities, where they learned about our research as it pertains to fisheries and water quality. These visitors were hand-selected by the American Embassy in Indonesia and they have a wide range of expertise in fisheries, maritime affairs, and media.



Dolfinus Dorteus (Conservation International Indonesia), Fnu Andajani (PT. Primo Indo Ikan), Yoga Nugraha Eddy (Kompas TV), and Zulkifli Henan (Affairs and Fisheries Department, Papua Barat Province) look at red drum eggs on their tour of the Fisheries and Mariculture Laboratory.

Chancellor William McRaven Comes to Town

The South Texas Council Boy Scouts of America recognized Mr. Al Jones, Co-Chair and CEO of American Bank in November as the 2015 South Texas Council Distinguished Citizen of the Year. UTMSI's Director, Dr. Robert Dickey, and Director of External Affairs, Georgia Neblett, joined the guest speaker Chancellor William McRaven, University of Texas System, in congratulating Mr. Jones on his achievement.



University of Texas System Chancellor William McRaven; UTMSI Director of External Affairs, Georgia Neblett; and UTMSI Director Dr. Robert Dickey.



Past and long-time Marine Science Advisory Council Member, Dr. Theo Painter, graciously donated over 30 hand-carved wooden replicas of local coastal birds, like the Black Skimmer pictured here. Creating the cravings were Dr. Painter's past time when in Port Aransas and we are happy to have them in their new home at the Lyceum.

Around Campus

Growing Fish in a New Green House

Thanks to a generous donation from the Ed Rachal Foundation, the greenhouse at the Fisheries and Mariculture Laboratory is being replaced with a metal pre-fabricated building similar to the SEALab. It will be slightly smaller than the SEALab but with the same capabilities for light and temperature control of multiple breeding and rearing tanks.

Campus Improvements

New roofs are being installed on the Cafeteria, Dormitories A, B, and C, the Pier Lab, Marine Operations, and all of the Wilson Cottage student housing units. New stainless steel handrails have also been installed on the walkway by the Marine Science Education Center and the Beach Street Apartments. These replace the old galvanized and wooden railing systems that were in place and brings them up to

current life safety code - plus they look great! The Core Analytical Lab on the 3rd Floor of the Estuarine Research Center is complete and in service. A second lab finish-out is in progress by the UTMSI carpenter crew that will host a new gas chromatograph and mass spectrometer facility. The equipment is expected to be installed in January. In addition, the Main Lab building received a major upgrade



The new Analytical Laboratory on the third floor of the Estuarine Research Center has state-of-the-art equipment.

to the electrical grid that corrected deficiencies going back to the original construction in 1974. The Fisheries and Mariculture Laboratory will receive a similar upgrade in the spring.

Coming Soon

- o Replacement of most exterior doors with storm-rated fiberglass ones.
- o Renovation of the Main Lab elevator to correct long-standing design deficiencies and to restore reliability
- o Engineering and design work in preparation of major renovation of the marina.
- o Creation of a water-wise garden to replace part of the lawn area next to Dormitory D.
- o Relocation of the DROPPS mesocosm tower to the former National Marine Fisheries Service boat barn at Fisheries and Mariculture Laboratory to consolidate research on oil spills.

- o Replacement of the 30 year-old telephone system with a new digital VoIP system that uses the broadband data network rather than outdated telephone wires.

Green Team Updates

The UTMSI Green Team is a volunteer group of faculty, staff, and students that is dedicated to improving the environmental sustainability at UTMSI. They are currently looking into adding more bikes to the bike rental pool and organizing the winter film festival - likely to start in January - March (1 movie a month). Learn more or get involved at www.utmsi.utexas.edu/greenteam

- o Glass Recycling @ Padre Island Wastewater Treatment Plan – December 12th

Mission-Aransas Reserve and Education

Missionaransas.org

Blue Carbon in Our Backyard

Wetlands can hold two to four times more carbon than a mature tropical rain forest of like acreage. Disturbing or changing wetland habitats can release carbon dioxide into the atmosphere, which is why there is great interest in keeping the carbon there. Maintaining wetlands intact is also important because they provide valuable protection from flooding and extreme storm events. Biologists and economists have begun to put a value onto that stored carbon which is important to new market-based incentives that are being developed for greenhouse gas (GHG) reductions to help conserve these carbon storing wetlands. This new research coupled with the incentives has been nick-named “Blue Carbon.” Community leaders and resource managers met in November to learn more about “Blue Carbon” and how policy and management

can incorporate these incentives to help conserve coastal wetlands. This is the final and only workshop in Texas in a series of workshops offered around the Gulf of Mexico states by the Restore America’s Estuaries and the National Estuarine Research Reserve System with funding support from the US Environmental Protection Agency’s Gulf of Mexico Program and the U.S. Fish and Wildlife Service Coastal Program.



Workshop participants discussed how they can start to use blue carbon in the local development and restoration projects. Credit: Dana Sjostrom, UTMSI.

Tracking Trash on Texas Beaches

Ecologists with the Mission-Aransas National Estuarine Research Reserve recently received a \$51,000 grant from the National Oceanic and Atmospheric Administration to track marine debris on our Coastal Bend beaches for two years. The scientists will determine the extent of impact of debris on sea turtles, and what visitors or resource managers might do to reduce debris on our shores. In order to collect significant amounts of data, they will survey four local shorelines monthly: Padre Island National Seashore, Fish Pass on Mustang Island Gulf Beach, San José Island Gulf Beach, and Lighthouse Lakes in Redfish Bay. Both traditional methods and new technologies will be used to count and sort the debris for one of these designated areas.



Collin Croulet, Research Scientist Associate, collects marine debris at the Padre Island National Seashore.

On average, 500 tons of marine debris are removed from Texas beaches each year. The goal of the project is to better understand when and where marine debris impacts our beaches so that policy makers and resource managers can focus their resources toward solutions to this widespread and often times damaging problem.

Visitors Get Excited about Estuaries

The last Saturday in September was National Estuaries Day, an event that is celebrated throughout the United States. We are fortunate to have our very own [Mission-Aransas] National Estuarine Research Reserve to help celebrate and commemorate what special places our estuaries are. This year visitors participated in several games and activities

that imparted why estuaries are important and how they can also be fun. Stay tuned for next year's event – Saturday September 24, 2016.



Visitors are wild about estuaries. Credit: Nicole Pringle, UTMSI.

Putting the Science into the Port Aransas Science Fair

The Port Aransas Science Fair occurred this November, which was a culmination of six weeks of research and experimentation by 4th and 5th grade students at the H.G. Olsen Elementary School. The students were assisted by graduate student Craig Connolly who helped the students understand what it takes to develop an experiment and how to communicate the results. Each student designed, executed, and analyzed the results of their own science experiment. Students presented posters detailing their experiments to local judges from The University of Texas



The 2015 Science Fair at the H.G. Olsen Elementary School in Port Aransas was a success. Credit: Matt Khosh, UTMSI.

Marine Science Institute and members of the Port Aransas community. Student projects spanned a range of topics from what tape sticks the best underwater, to the effect of salt on the freezing point of water, and determining what color skittle candy has the most food dye. An award ceremony and public viewing was also held to congratulate the winners and all student participants. Special thanks to Matt Khosh, graduate student and Science Fair Coordinator,

and participating teachers Janis Moore and Amanda Tipps. This event could not have been completed without the following sponsors: Port Aransas Independent School District, Port Aransas Education Foundation, UTMSI and the Mission-Aransas Reserve.



Mission-Aransas Reserve Wins Big in Estuarine Photo Contest

Texas estuaries are beautiful and the Mission-Aransas Reserve Director, Jace Tunnell, captured some of the beauty in images that were awarded winners and honorable mentions in the National Oceanic and Atmospheric Administration's 2015 Estuary Photo Contest. There were over 130 submissions and our Reserve was awarded winning photos in the "Creepers" and "Play" category.

Spotlight on Students

Graduations

- Matt Khosh (Jim McClelland's student) graduated with a PhD, fall of 2015 with the dissertation "Seasonal dynamics of organic matter and inorganic nitrogen in surface waters of Alaskan Arctic streams and rivers"
- Kathryn Ondricek (Peter Thomas's student) graduated with a Master's, fall of 2015 with the thesis "Modulation by hypoxia of membrane steroid receptor expression and functions in ovaries of Atlantic croaker (*Micropogonias undulatus*)"
- Moises Bernal (Deana Erdner's student) graduated with a PhD, fall of 2015 with the dissertation "Hybridization and divergent selection shaped the evolutionary history of sympatric sister-species of grunts (genus: *Haemulon*)"
- Carolynn Harris (Ken Dunton's student) graduated with a Master's, fall of 2015 with the thesis "Hydrological and ecological observations along the eastern Beaufort Sea coast of Alaska"
- Gene Oh (Tracy Villareal's student) graduated with a Master's, fall of 2015 with the thesis "The Effect of Crude Oil and Chemical Dispersant on Sinking Rates of Gulf of Mexico Diatoms"
- Xana Hermosillo (Tracy Villareal's student) graduated with a Master's, fall of 2015 with the thesis "Estimating

Trichodesmium contribution to chlorophyll and biogenic Fe in the Gulf of Mexico using an in-situ imaging system”

Graduate Student Association Elects New Officers

The graduate student association is an advocacy group for the graduate students in the Department of Marine Science, who work to improve the life of our students through activities, community outreach, and communication with the administration. The organization supports many activities at UTMSI, including but not limited to maintaining UTMSI gym and organizing social functions like Friday Happy Hour and excursions to see UT football games. The new officers are:

- o President: Christina Bonsell
- o Co Vice Presidents: Victoria Congdon and Nick Reyna
- o Treasurer: Shuting Liu
- o Social Chairs: Corinne Burns and Erin Reed
- o Rec Facilities Director: Craig Connolly

CNS Family Day

Several graduate and undergraduate students in the Marine Science Club volunteered at the annual UT College of Natural Science’s Family Day in Austin. We appreciate them for taking their day to spread the word about the Marine Science Institute. They are great ambassadors for UTMSI.



Kiley Seitz, Angelina Dichiera, and Meaghan Cuddy participate in College of Natural Sciences Family Day. Credit: Heather Herrick.

Fellowships

Shuting Liu, a Ph.D. student with Dr. Zhanfei Liu, received the spring 2016 Grad School Dissertation Writing Fellowship.

Graduate Student, Chris Biggs, Wins Big

Chris Biggs, a Ph.D. Student with Dr. Brad Erisman, recently received an award for his work on spawning aggregations. The Science and Conservation of Fish Aggregations (SCRFA) granted a travel award for Chris to attend the 68th Annual Gulf and Caribbean Fisheries Institute Conference in Panamá City, Panamá, which occurred earlier this month. Chris’s presentation on the “Functional migration areas of Dog and Cubera Snapper spawning aggregations in the U.S. Virgin Islands” was well received and was acknowledged as one of the top student contributions to the conference.



SCRFA Chair/CEO Martin Russell, Chris Biggs, and SCRFA Executive Director Yvonne Sadovy. Courtesy Photo.

Marine Science Club Visits Port Aransas

The Marine Science Club is a group, primarily composed of undergraduates at the University of Texas at Austin. The purpose of the club to learn more about marine science and marine science careers through field trips and lectures. This November, the group made their annual trip to Port Aransas where they toured the research facilities, local salt marsh and seagrass habitats, and talked to students and staff about what research they do. At the end of the excursion, the group conveyed their appreciation for the very honest, sincere and thorough dialogue they had with everyone and how it helped them understand the challenges and opportunities in marine science. Many of the students will participate in the upcoming Semester by the Sea program and summer courses.

Welcome & Celebrations

Port Aransas's own United Nations

This fall, The University of Texas Marine Science Institute experienced a boom in international brain power with the addition of seven new postdoctoral fellows and one Fulbright Scholar from countries throughout Europe and Australia. The researchers will be conducting science on several different projects that range from oil spill dynamics to fisheries to climate change. Please join us in welcoming:

- Nina Dombrowski – in Brett Baker's laboratory from Max Planck Institute, Germany
- Jacob Johansen - in Andrew Esbaugh's laboratory from James Cook University, Australia
- Maud Moison – in Ed Buskey's laboratory from University Science and Technology, Lille, France
- Ingrid Sassenhagen – in Deana Erdner's laboratory from Lund University, Sweden
- Tatiana Severin – in Deana Erdner's laboratory from University Pierre et Marie Curie, France
- Melita Uljevic (Fulbright Scholar) – in Bryan Black's laboratory from University of Split, Croatia
- Jan Peter van der Sleen – in Bryan Black's laboratory from University of Wageningen, the Netherlands
- Sarah Cosgrove – in Ed Buskey's laboratory from National University of Ireland, Ireland (*Arriving in January 2016*)

Dr. Wayne Gardner recently retired and is now serving as an Emeritus professor. Dr. Robert Dickey (left) presented a framed aerial image of the Institute to Dr. Gardner (right), courtesy of the Marine Science Advisory Council, to commemorate his service to the University at a faculty reception held at Scott and Joan Holt's house.



New Students

Welcome! Emily Elizabeth Anderson (M.S. student, Villareal), Christopher Ray Biggs, (Ph.D. student, Erisman), Meaghan Ruth Cuddy (M.S. student, Dunton), Angelina Maria Dichiera (M.S. student, Esbaugh), Zhenxin Hou (Ph.D. student, Fuiman), Alexis Jory Khursigara, (Ph.D. student, Esbaugh), Hoang Minh "Thomas" Nguyen (M.S. student, Black/Dunton), Kiley West Seitz, (Ph.D. student, Baker), Chi Hung "Charles" Tang (Ph.D. student, Buskey), Hengchen Wei (Ph.D. student, McClelland/Hardison), Xin Xu (Ph.D. student, Hardison/McClelland),

New Employees

Welcome! Sam Crawford (Guard, Security); Pamela Jameson (Helper, Café); Mark Lopez (Research Scientist Assistant, Min); Nicole Pringle (Education Specialist, Rose); Kathryn Thompson (Research Scientist Assistant, Fuiman).

Would you like to be added to our newsletter mailing list? E-mail Sally Palmer at sally.palmer@utexas.edu