

<p>MARCH IS WOMEN'S HISTORY MONTH</p>	<h2>Weekly Research Newsletter</h2> <h3>March 19, 2018</h3>
<p><b>Physicist and icon Stephen Hawking</b></p> <p><i>Peace</i></p> <p><small>QUOTE OF THE DAY</small>          "His passing has left an intellectual vacuum in his wake. But it's not empty. Think of it as a kind of vacuum energy permeating the fabric of space-time that defies measure."          Neil DeGrasse Tyson, the director of the Hayden Planetarium in New York City, pays homage to Stephen Hawking.</p>	 <p>Stephen Hawking, one of the most influential physicists of the twentieth century and perhaps the most celebrated icon of contemporary science, died on Wednesday. Get up-to-date with <a href="#">Hawking's influential physics, his exceptional life story and what the future holds</a> for experimental tests of some of his findings.</p> <p><small>Nature   4 min read</small>  <a href="#">Delve into Nature's collection of news, research and books on the remarkable physicist.</a></p>
 	 <p>Congratulations to Zeeshan Mansuri, MD, PGYII, of the Department of Psychiatry and his co-authors on the publication "Is Cannabis Use Associated with the Worst Inpatient Outcomes in Attention Deficit Hyperactivity Disorder Adolescents?" in <a href="#">Cureus</a>. 2018 Jan; 10(1): e2033. Published online 2018 Jan 7. doi: <a href="#">10.7759/cureus.2033</a></p>
<h1>This week</h1>	 <p>Cathy Lovett, Managing Director of the Clinical Research Institute will be in Odessa on Tuesday, March 20 and Wednesday, 21.</p> <p>If you would like to meet with her during that time, please contact Isabel Garza at <a href="mailto:Isabel.garza@ttuhsc.edu">Isabel.garza@ttuhsc.edu</a></p>
<p>Good News: We now have an institutional fellowship subscription to BMJ Case Reports.</p> <p><b>BMJ Case Reports</b></p>	<p>We now have an institutional fellowship subscription to BMJ Case Reports. This means faculty, staff and students can publish with them <b>without paying additional fees</b> or signing up as an individual fellow.</p> <p>From Eric Wilkinson (Library Director):  <b>In order to publish with BMJ Case Reports, they'll need a fellowship code. Paul has already added it to our library resources passwords page.</b> People need to use their eraidr username and password to get there because we can't post it publicly. I created a short libguide for the time being just to give more info: <a href="https://ttuhsc.libguides.com/bmjcasereports">https://ttuhsc.libguides.com/bmjcasereports</a></p> <p>The Gold Rush entry for BMJ Case Reports links to this LibGuide. This LibGuide links to both the passwords page (for the fellowship code) and a PDF User Guide that BMJ provided.</p>
 <p>Stanford Department of Pediatrics</p> <p>Funded Visiting Clerkship for Underrepresented Minority Medical Students</p>	<p>Eight funded visiting clerkship positions in general pediatrics and pediatric subspecialties will be available at the Lucile Packard Children's Hospital Stanford (LPCH) from August through November for qualified applicants from backgrounds underrepresented in medicine. For more information, please visit our <a href="#">URM web page</a>.</p> <ul style="list-style-type: none"> <li>• Funding includes up to \$2,000 for reimbursement of travel expenses.</li> <li>• Housing accommodations will be provided at no additional cost.</li> <li>• Each student will be paired with a faculty member that will serve as a mentor and advisor.</li> <li>• Each student will be given the opportunity to have a personal meeting with the Pediatric Residency Program Director.</li> <li>• Each student will be paired with an URM resident who will introduce them to the Stanford Medical School/Center diversity community and its resources.</li> <li>• Each student will have the option of interviewing at the end of the block to avoid a return trip.</li> </ul> <p><b>Application Requirements</b></p> <ul style="list-style-type: none"> <li>• Applicants must be from groups underrepresented in medicine (URM) as defined by the AAMC to include "...those racial and ethnic populations that are underrepresented in the medical profession</li> </ul>

	<p>relative to their numbers in the general population.” <a href="https://www.aamc.org/initiatives/urm/">https://www.aamc.org/initiatives/urm/</a>.</p> <ul style="list-style-type: none"> <li>• Applicants must: <ul style="list-style-type: none"> <li>o Complete the Stanford Clinical Opportunity for Residency Experience (SCORE) application form</li> <li>o Provide a personal statement discussing career goals</li> <li>o Provide one letter of recommendation, preferably from a pediatric attending</li> <li>o Provide a Curriculum Vitae</li> <li>o Provide an official medical school transcript</li> </ul> </li> <li>• The application deadline is <b>April 13</b>, and acceptance notices will be sent the following week.</li> </ul> <p>Applicants not selected for the funded sub-internship can be, if interested, entered into the general pool of applicants for unfunded visiting clerkships at Stanford Pediatrics.</p> <p><b>How to Apply</b></p> <ul style="list-style-type: none"> <li>• Visit the SCORE at <a href="https://med.stanford.edu/clerkships/score-program/to-apply.html">https://med.stanford.edu/clerkships/score-program/to-apply.html</a> to upload your Application</li> </ul>
<h1>THIS WEEK IS 2018 Student Research Week</h1>	 <p><b>Save the Date</b> <b>March 20<sup>th</sup> – 23<sup>rd</sup>, 2018</b> TTUHSC Lubbock Campus</p> <p>Includes a vendor show, poster competition, and keynote addresses from: <b>Dr. Jane Richardson &amp; Dr. Francisco Bezanilla</b></p> <p><b>Protein Chronicles:</b> FROM UNKNOWN STRUCTURES TO ESSENTIAL FUNCTIONS</p>
<h2>2018 Permian Basin Research Forum</h2> <h3>POSTER PRESENTATIONS</h3>	<p>Regulation of Major Facilitator Super Family Domain Containing 2A (MFSDLA) PUFA transporter by Cannabinoid Receptors in fetal endothelium. Jay English, UTPB/TTUHSC</p> <p>A Blessing in Disguise: Factors that cause a high blood pressure condition in pregnant women protect against breast cancer Eugenia Banina, M.D., PGYII</p> <p>Infertility and Cancer: A case of hidden cancers unveiled by infertility evaluation Brittany Brothers, M.D., PGYIV</p> <p>Severe hypokalemia in Ogilvie’s Syndrome treated with Aldosterone antagonist Sajjad Ali, M.D., PGYII</p> <p>Heterotopic Interstitial Pregnancy: A Case Report Chase Patterson, M.D., PGYI</p> <p>Pustular Skin Lesions in a GBS Infected Newborn: A Case Report Duy Hoang, MSIII</p> <p>Improving Postpartum Thromboembolism Prophylaxis Adherence to CHEST Guidelines Christina Prednargast, D.O., PGYII</p> <p>Delayed Ifosfamide Induced Encephalopathy, A Rare Presentation Abdallah Gad, M.D., PGYII</p> <p>A Rare Life Threatening Complication in a Case of Acute Appendicitis Abdallah Gad, M.D., PGYII</p> <p>Transient Pseudohypoadosteronism in a 2-month old associated with urinary tract infection Jason Huang, MSIII</p> <p>A successful outcome of treatment of Major Depression in Chronic Kidney Disease: A Case Report Hiren Patel, M.D., PGYII</p> <p>The relationship between NBME and OSCE scores in third-year family medicine clerkship students at Texas Tech University Health Sciences Center at the Permian Basin: 2015-2017 James Wang, M.D., PGYII</p> <p>A novel mutation in a Rare Case of Infantile Idiopathic Arterial Calcification (IIAC) John Myers, MSIII</p> <p>Return of the ... ILI and Influenza virus in Odessa Joshua Urteaga, M.D., PGYIII</p> <p>Knowledge &amp; Beliefs about the Permian Basin Community Jasmin Aldridge, MSIII</p> <p>Teaching the Cervical Exam: A Cost-effective simulation Lyndsay Rodriguez, M.D., PGYIII</p> <p>Optimization of Constipation and Management in Nursing Home Residents: A Quality Improvement Initiative Myrna Z. Bosques, M.D.,</p> <p>Can an over the counter supplement get you in the ICU? Rami Baraseh, M.D., PGYII</p> <p>Borderline tumor in a second trimester pregnancy: A pictorial essay April Riley, D.O., PGYIV</p> <p>Association of Short Term Mortality and Hyperuricemia in Patients with Stemi Sajjad Ali, M.D., PGYII</p> <p>Posttraumatic Stress Disorder and Depression Symptom Severities are Differentially Associated with Hippocampal Subfield Volume Loss in Combat Veterans Ritvij Satodiya, M.D., PGYII</p>

HELLP! Lives in Danger: A Case of Preeclampsia complicated by hemorrhagic stroke  
Amanda Stuelpnagel, M.D., PGYII

Evaluation of Term Neonates born to Mothers without or with limited prenatal care  
Tina Thai, D.O., PGYI

Comparative use of piperacillin/tazobactam versus meropenem in patients with sepsis secondary to pneumonia requiring empiric broad-spectrum coverage  
Timothy Carder, M.D., PGYII

A Case of Posterior Reversible Encephalopathy Syndrome Associated with Sepsis  
Orlando Garner, M.D., PGYII

Handheld Raman Spectroscopy (RS) Device as a point of care diagnostic tool  
Suheung Lee, MS IV

Type I Chiari Malformation Presenting in an Adult  
Orlando Garner, M.D., PGYII

Hepatic Mascaraed: A Rare Case  
Alfredo Iardino, M.D., PGYII

Killer Looks: Cardiomyopathy Induced by Anabolic Androgenic Steroid Abuse  
Orlando Garner, M.D., PGYII

A Common Presentation of an Uncommon Tumor  
Austin Barnes, M.D., PGYI

Hysterotomy Scar Ectopic Managed with a Fabricated Vaginal Needle Guide and Direct Injection of the Gestational Sac  
Daniela Pnio, M.D., PGYII

Effect of Race and Parity on Breast Feeding Rates in West Texas  
Megan Clapp, MSIII

Not to be judged:

Optic Tissue Clearing in Combination with perfusion and immunofluorescence for placental vascular imaging  
Maira Carrillo, PhD

Villous Vascular Tree 3D Morphology of *Ex Vivo* Perfused Human Placental Cotyledon  
Marcel Chuecos, B.S.

Maternal Nutrient Restriction Augments Fetal Corical Endocannabinoid 2-Arachidonoylglycerol (2-AG) Pathway  
Kushal Gandhi, PhD

The Texas Perinatal Association and TTUHSC-El Paso  
Department of Pediatrics announce the 10<sup>th</sup> Annual  
Spectrum of Healthcare from  
Mother to Child Conference  
Friday April 27, 2018

For more information, please see the attached information  
or contact Jesia Boykin in the Office of Continuing  
Medical Education at TTUHSC PLFSOM, 915.215.4881  
or [jesia.boykin@ttuhsc.edu](mailto:jesia.boykin@ttuhsc.edu).



TEXAS TECH UNIVERSITY  
HEALTH SCIENCES CENTER  
School of Medicine

## Collaborative Research Seed Grant Program 2018

**Deadline for grant applications:  
May 1, 2018**

### Nature of Projects:

- Any area of research.
- This grant program is available to faculty on all SOM campuses.
- Projects must demonstrate a collaborative research initiative between one or more basic scientist and one or more clinical scientist in the SOM.

Amount: Up to 8 grants will be approved with funding up to \$20,000 each for a one-year project to support the preliminary or pilot phase of scientific projects, not to supplement funding already secured. (No salary support for the principal investigators will be provided. Additionally, funding may not be used for travel, renovations, society membership dues, large capital purchases, computers/software, entertainment costs, office supplies/furniture/equipment.)

### Eligibility:

- Seed grant submissions will be due May 1, 2018.
- Seed grant submissions should include the following:
  - Abstract - 1 page
  - Specific Aims - 1 page
  - Introduction, background, research design and methods - up to 4 pages
  - Specific role for each principal investigator - 1 page
  - NIH Bio-sketch for each principal investigator - up to 5 pages
- A detailed budget with brief justification - 1 page (allowable items: research supplies, animal costs, part-time personnel, etc.)
- Other support: list all current and pending extramural support for the last three years, include results from previous SOM seed grants - no limit
- Seed grant submissions that demonstrate a preliminary or pilot phase of scientific projects will be given priority.
- Seed grant submissions that demonstrate a strong possibility for extramural funding will be given priority.

### Contact:

Jannette Dufour, Ph.D.  
Associate Dean for Research  
[Jannette.dufour@ttuhsc.edu](mailto:Jannette.dufour@ttuhsc.edu)

## 2018 Permian Basin Research Forum

## Keynote speaker



Presentation: "Schistosomiasis Vaccine"

Afzal A. Siddiqui, M.Phil., Ph.D.

Grover E. Murray Professor

Professor, Internal Medicine | Immunology & Molecular Microbiology | Pathology

Clinical Professor, Pharmacy Practice

Vice President (Institutional Collaborations) | Vice Chair (Research) - Internal Medicine

Director, Center for Tropical Medicine & Infectious Diseases

<http://dailydose.ttuhs.edu/2017/july/siddiqui.aspx>

### Research Day Schedule Thursday, April 19, 2018

7:45-8:00

Breakfast

8:00-8:15

Opening ceremony

8:15-8:30

Welcome

Dr. Gary Ventolini, Professor and Regional Dean of SOM

Dr. Natalia Schlabritz-Lutsevich, Associate Dean for Research

8:30-8:45

Jonathan Garcia, Lane Williams, and Andrew West, UTPB/TTUHSC

**Real Time Detection of Bacterial Biofilm Growth**

8:45-9:00

James Wang, M.D., PGYII, Family Medicine

**Reducing Medical Errors Associated with Same/Similar Name Providers**

9:00-9:15

Brady Miller, MSIII

**Ingestion of Excised HPV-Infected Epithelium Leads to Resolution of Treatment Refractory Verrucae in Two Patients**

9:15-9:30

Katherine Shreyder, M.D., PhD, PGYII, Internal Medicine. **Regional Dean's award recipient**

**Maternal cardiovascular Echocardiographic Structure and Function in Obese and Non-obese Pregnant Patients in the First Trimester of Pregnancy**

9:30-9:45

Zakaria Hindi, M.D., PGYII, Internal Medicine. **Regional Dean's award recipient**

**The Role of Signal Induction Regulatory Protein – alpha (STRP- $\alpha$ ) in Hepato-phagocytic Syndrome**

9:45-10:00

Damien Galindo, 10<sup>th</sup> Grade, Ector County Independent School District

**Decomposition in Space**

10:00-10:15

Daya Sharma, Ph.D. Associate Professor II Computer Information Systems, Odessa College

**The Rise of Ransom Ware in Healthcare and HIPPA Compliance**

10:15-10:30

Break

10:30-10:45

Elsa Parra, MSIII

**Tissue Histogram Intensity of Fetal Liver and Reference Organs in Lean Pregnant Women**

10:45-11:00

Alfredo Iardino PGY II, Internal Medicine

**Is weakness in a young men always MS?**

11:00-11:15

Deidre Morales, 10th Grade, Ector County Independent School District

**The efficacy of *Idonella Sakaiensis* in a Microgravity Environment**

11:15-11:30

Jason Osborne, Chief Innovation Officer, Ector County Independent School District

**Accelerating Science and K-12 Education Outcomes Through Novel Citizen Science Methods Development**

11:30-12:30

Lunch

12:30-1:30

Keynote Address – Dr. Afzal A. Siddiqui "Schistosomiasis Vaccine"

1:30-1:45

Dr. R. Satodiya, M.D., PGYI, Psychiatry. **Chair of the residents' research subcommittee**

**Posttraumatic Stress Disorder and Depression Symptom Severities Are Differentially Associated with Hippocampal Subfield Volume Loss in Combat Veterans**

1:45-2:00

Michael Zavada, Ph.D., Dean of Art and Sciences, Interim Assistant VP for Research and Sponsored Programs, UTPB


**Why In-House Research Forums**

2:00-2:15

Daniela Pino, M.D., PGYII, Obstetrics & Gynecology

**Antenatal Evaluation by Ultrasound and Genetic Testing of Idiopathic Infantile Arterial Calcification with**

	<p><b>Placental Correlation</b></p> <p>2:15-2:30 Grace Shim, MSIII <b>Anti-Inflammatory Effect of Endogenous Cannabinoid Anandamide in ex vivo model of the blood brain barrier</b></p> <p>2:30-2:45 Cristina Penon, M.D., PGYI, Family &amp; Community Medicine <b>Twenty-First Century Scurvy</b></p> <p>2:45-3:00 Break</p> <p>3:00-3:15 Saranya Rajasekar, MD, PGYI, Internal Medicine <b>A Rare Case of Emphysematous Gastritis: Sarcina Ventriculi</b></p> <p>3:15-3:30 Sajjad Ali, MD, PGYI, Internal Medicine <b>Association of the short-term mortality and hyperuricemia in patients with Stemi.</b></p> <p>3:30-3:45 Alejandra Garcia-Fernandez, M.D., PGYIII, Internal Medicine <b>Analyses of outcomes of the cardiac arrest survivors in rural Texas, A single center experience. Is hypothermia after cardiac arrest for everyone?</b></p> <p>3:45-4:00 pm CLOSING CEREMONY Book reading from the Local Writer Mr. Bob Campbell</p> <p>Awards Ceremony</p>
 <p>Connecting Through Research</p> <p>SEVENTEENTH ANNUAL <b>RESEARCH DAYS</b> Amarillo Civic Center - Heritage Room June 13 - 14, 2018</p> <p>REGISTRATION NOW OPEN Abstract Deadline April 30, 2018</p> <p>TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER. School of Pharmacy Office of Research</p> <p>Register at <a href="https://www.ttuhsu.edu/pharmacy/research/research-days.aspx">https://www.ttuhsu.edu/pharmacy/research/research-days.aspx</a></p>	<p>The School of Pharmacy's Annual Research Days Registration and Abstract submission is now open.</p> <p>All participants need to <u>Register by May 31, 2018</u> in order to participate in the conference.</p> <p><u>Abstract Deadline is April 30, 2018.</u></p> <p>Please visit the Research Days Website for detailed information, registration, &amp; abstract form:</p> <p><a href="https://www.ttuhsu.edu/pharmacy/research/research-days.aspx">https://www.ttuhsu.edu/pharmacy/research/research-days.aspx</a></p>
<p><b>Publish or Perish:</b></p> <p><b>What Journal Editors Want You to Know About Scientific Publishing</b></p> <p><b>Presenter:</b> Tom Lang, Medical Writer/Editor</p> <p><b>Webinar Format:</b> CD-Rom, MP4 and PDF Transcript <i>All formats include the PDF presentation handouts</i></p> <p><b>Length:</b> 60 minutes</p>	<p>Submitting your scientific article to a peer reviewed biomedical journal can be frustrating -- regardless of your experience. The last thing you want is to get rejected... but it happens, more often than you think.</p> <p>The good news is that you don't have to go through years of time-consuming journal submissions to finally understand <b>what peer reviewers want to see in your articles</b>.</p> <p>In only 60 minutes, during his step-by-step <b>on-demand online training</b>, acclaimed medical writer/editor and educator <b>Tom Lang</b> will show exactly how you can breakdown and analyze each part of your article to give reviewers what they want. You'll receive guidance on how to better your article for <b>function, content and organization</b>. After attending this training, you'll also be able to identify and avoid the most common mistakes made by novice and experienced researchers alike, and outline the factors you need to consider when reporting basic or clinical research.</p> <p>You will also receive specific advice on how to write <b>titles, abstracts, introductions, and discussions</b>, as well as the types of <b>documentation required</b> to meet evidence-based medicine reporting requirements. <b>Ethical issues</b> for conducting and publishing clinical research including authorship, plagiarism, industry-sponsored research, and duplicate publication will also be discussed.</p> <p><a href="#">Learn more &gt;&gt;</a></p> <p><b>5 Key Take-Aways:</b></p> <ul style="list-style-type: none"> <li>• Avoid rejections by avoiding <b>journal instruction</b> unnecessary missteps</li> <li>• Increase your approval chances with a breakdown strategy for <b>each section of your article</b> (titles, abstracts, introductions, etc.)</li> <li>• Use the <b>top factors influencing journal editors</b> to accept scientific articles to get your article published</li> <li>• Pin down <b>ethical issues</b> regarding authorship, conflict of interest, plagiarism, duplicate publication, patient privacy, and animal welfare</li> <li>• Improve your documentation by overcoming <b>reporting guideline</b> barriers for <b>evidence-based medicine</b></li> <li>• And so much more...</li> </ul> <p><a href="#">Learn more &gt;&gt;</a></p> <p><b>Who Will Benefit?</b></p> <p>If you are a Biomedical Researcher, who publishes or intends to publish in peer-reviewed literature, this training session is for you. Even the most experienced researchers will gain valuable strategies to get more of their work published by attending this online training.</p> <p>Don't leave the success of your next journal submission to chance. There is too much at stake. <a href="#">Sign up</a> for this immediately available training today!</p> <p><b>Meet Your Expert</b></p> <p><b>Tom Lang</b> has been a technical or medical writer/editor since 1975. In addition to being the Manager of Medical Editing Services for the Cleveland Clinic for many years, he was also a Senior Scientific Writer at the Evidence-based Practice and Cochrane Centers at the New England Medical Center/Tufts University.</p> <p>Specializing in critical appraisal and the reporting of biomedical research in scientific journals, he is the author of <i>How to Report Statistics in Medicine: Annotated Guidelines for Authors, Editors, and Reviewers, 2nd edition</i> and <i>How to Write, Publish, and Present in the Health Sciences: Guidelines for Clinicians and Laboratory Researchers</i>.</p> <p>Tom has led hundreds of workshops on various aspects of scientific communication for physicians, researchers, and medical writers in academia and industry worldwide. He received numerous teaching awards including the first Excellence in Teaching Award for his statistical reporting course in the Medical Writing and Editing Program (University of Chicago), Golden Apple Award for Outstanding Workshop Leader (American Medical Writers Association), and the Excellence in Continuing Education Award (American Statistical Association).</p>

Information about identifying predatory journals	<p><b>The blacklist is dead; long live the blacklist</b></p> <p>A new <a href="#">watch-list of 'predatory' journals and untrustworthy publishers</a> is set to launch later this month — but only for those willing to pay. The service could fill a gap left by Beall's List, a popular blog run by academic Jeffrey Beall that listed potentially predatory journals, which was <a href="#">shut down suddenly</a> five months ago.</p> <p><a href="#">Nature</a>   3 min read</p> <p>There is a list of Open Access/Predatory Publishers/Questionable Conferences is available from the CalTech Library at <a href="http://libguides.caltech.edu/c.php?g=512665&amp;p=3503029">http://libguides.caltech.edu/c.php?g=512665&amp;p=3503029</a></p>
Online	<p>Visit TTUHSC at the Permian Basin Research's webpage at: <a href="http://www.ttuhsc.edu/odessa/research/default.aspx">http://www.ttuhsc.edu/odessa/research/default.aspx</a></p> <p>And like us on Facebook, visit the page: <a href="https://www.facebook.com/Texas-Tech-University-Health-Science-Center-in-the-Permian-Basin-Research-1612649318999433/">https://www.facebook.com/Texas-Tech-University-Health-Science-Center-in-the-Permian-Basin-Research-1612649318999433/</a></p>
Clinical Research Institute is going paperless	<p>The Clinical Research Institute is going paperless! No more writing down or waiting for signatures to submit the work order . The CRI Work Order is now an electronic on-line form.</p> <p>To access to the CRI Work Order, all you need is your eRaider username and password.</p> <p>EFFECTIVE IMMEDIATELY, please use the following link to access the on-line form: <a href="https://app4.ttuhsc.edu/CRIWorkOrders">https://app4.ttuhsc.edu/CRIWorkOrders</a>.</p> <p>Here's what to do: 1) complete the work order (2) electronically submit it (3) the form will automatically be routed to the Principal Investigator and then the appropriate Chair and/or Dean for signatures.</p> <p>It is that simple!</p> <p>Please start using the CRI Work Order link immediately: <a href="https://app4.ttuhsc.edu/CRIWorkOrders">https://app4.ttuhsc.edu/CRIWorkOrders</a>.</p> <p>The CRI website has been updated with this new link and access to the paper form is no longer available.</p> <p>For immediate assistance, please call 806-743-4217 between 8am – 5pm or email your questions to <a href="mailto:ClinicalResearch@ttuhsc.edu">ClinicalResearch@ttuhsc.edu</a>.</p>
	<p>For questions or to submit an item for the research newsletter contact:</p> <p>Dr. Natalia Schlabritz-Lutsevich, Associate Regional Dean of Research at <a href="mailto:natalia.schlabritz-lutsevich@ttuhsc.edu">natalia.schlabritz-lutsevich@ttuhsc.edu</a> or Melissa Waggoner, Senior Editor at <a href="mailto:melissa.waggoner@ttuhsc.edu">melissa.waggoner@ttuhsc.edu</a>.</p>