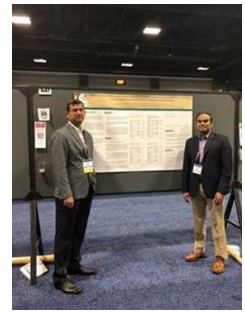
Research News
June 18, 2018

Congratulations to Drs. Ashutosh Gupta, Nirmal Onteddu, Arvind R. Murali, and Felix W. Leung on presenting a poster
Gupta, Ashutosh, Nirmal Onteddu, Arvind R. Murali, and Felix W. Leung.

"Mo1687 WATER EXCHANGE COLONOSCOPY IS SUPERIOR TO AIR/CARBON DIOXIDE INSUFFLATION AND WATER IMMERSION TECHNIQUES: A META-ANALYSIS AND SYSTEMATIC REVIEW OF RANDOMIZED CONTROLLED TRIALS." Gastrointestinal Endoscopy 87, no. 6 (2018): AB478-AB479
This abstract can be found at https://www.giejournal.org/article/S0016-5107(18)32320-4/abstract

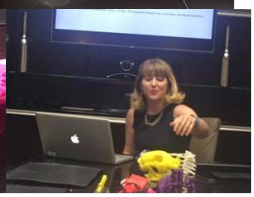


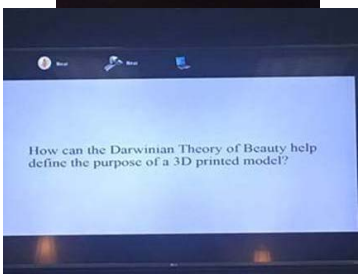
Congratulations to Drs. Orlando Garner, PGY-II, Ana Ramirez, PGY-III and Maty Yakoby, PGY-III residents of the Department of Internal Medicine, whose recently published article, "Cardiomyopathy Induced by Anabolic-Androgenic Steroid Abuse" was accepted **for press release.**

Thank you to **Kate M. Serralde, BA, MA** (Candidate),

Unit Supervisor at the Leading Resource Center at Preston Smith Library in Lubbock,

for presenting a "3D Printing concepts in the medical care"





June Visit dates

Managing Director of the Clinical Research Institute, Cathy Lovett, will be in Odessa on June 19 and 20. If you are interested in meeting with her either of those dates, please email Isabel.garza@ttushc.edu.

The new TTUHSC at the Permian Basin Research webpage is live at **https://www.ttuhsc.edu/research/odessa/** . If you notice any information about yourself on the webpage that needs to be updated please contact melissa.waggoner@ttuhsc.edu.

June 15th Research Advisory Committee meeting

Agenda:

1. Approval of meeting minutes from April 2018
2. Funding opportunity for Residents' projects (10 min):

   1) Dr. Erik Colegrove MD: PGY 1 Family 3D Printing a "Cost Effective Peak Flow Meter: A Novel Application of Rapid Prototyping"– proposal is attached
   2) Dr. Gardner/Dr. Iardino, Internal Medicine: "Creation of a formal research 1 week active rotation in the department of Internal Medicine as a pilot project"
   3) Dr. Cristina Penon MD: PGY 1 Family Medicine "Ector County STI Prevention Project "-2020
3. Planning the Grant Writing workshop (15 min)
4. Selecting new co-chairs of the residents' Research subcommittee (10 min)
5. Mr. Gino Solla, Director of Ector County Health Department (15 min) : discussing the above attached local County Health Rankings data sheet. It provides a comparison of health indicators of the area Counties that have a Local Health Department. The link below will provide further information on how the indicators work to assess each County in the U.S. http://www.countyhealthrankings.org/

TTUHSC Clinical Research Institute Monthly Research Workshop

Clinical Research Institute
TTUHSC
Monthly Research Workshop

Discuss and develop your own research ideas with expert panel
&
"Rehab Science Research: Reaching New Heights"

Phillip S. Sizer, Jr, PT, PhD
Associate Dean of Research, Professor &
Program Director, ScD Program in PT
School of Health Professions
Texas Tech University Health Sciences Center

Wednesday, June 20, 2018
4:00pm
Room: 1C100

TechLink
Amarillo HSC 4713; Dallas SPVA109AB & SPSW 433
Odessa 2C41; Odessa MCH Endo 21101;
Midland TTPM 210B; SECOR 202

Refreshments provided to the first 25 attendees on the Lubbock campus
RSVP to Josie Martinez (email: Josie.Martinez@ttuhsc.edu) by 6/18/2018

Persons with disabilities who may need auxiliary aids or services are requested to contact Josie Martinez at least 24 hours prior to this seminar so that appropriate arrangements can be made.

Clinical Research Institute
Josie Martinez
806-743-4967, STOP 8183

TTUHSC Center Highlights

c. Developed seminar series, regular meetings, and annual symposium (120 attendees, 50 poster presentations, key note speaker).
d. Developed and supported with seed funds several collaborative projects (16 collaborative publications, 16 grant applications, 8 funded).
e. Neurophysiology Core with Multiphoton Imaging System.
f. Website: http://www.ttuhsc.edu/ctnt/ (this website is currently unavailable)

8. Center of Excellence in Clinical Simulation Education and Research SimCentral (est. 2015)
a. The Director is a Certified Healthcare Simulation Educator.
b. SimCentral was first created in 2009 and has been used by 35,161 individuals with a total of 147,020 contact hours.
c. Construction has begun on a new SimCentral facility with expected completion in 2017.
d. Center includes a Mobile Simulation Lab or Mobile Sim.
e. Website: http://www.sim-central.com

9. Center for Super Heroes (est. 2016)
a. Only center in West Texas and Eastern New Mexico to provide services for victims of childhood trauma.
b. Recognized as a National Child Traumatic Stress Network Affiliate.
c. Funding from MEDCARES and Forensic Assessment Center Network.
d. Able to provide direct services for children and adolescents with PTSD and/or disruptive behavior problems using scientifically supported treatments such as Trauma-Focused CBT and Parent Child Interaction Therapy.
e. Only center in a 300 mile radius that can provide treatment of problematic sexual behaviors in children ages 3 to 18.
f. One of only centers in a 300 mile radius that can provide evaluations that can simultaneously assess Autism Spectrum Disorders and Traumatic Stress in foster children.
g. Training site for Trauma-Focused CBT Certification (next closest geographic site is Laredo or Oklahoma City).

10. Diabetes and Endocrinology Center of Excellence in the Permian Basin (est. 2016)
a. New Center approved December 2016

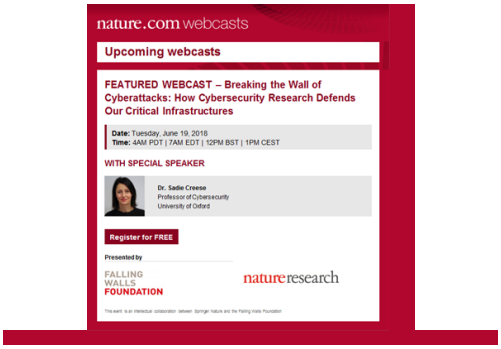
11. Integrative Health (est. 2018)
a. New Center approved 2018

TTUHSC Center Highlights

http://www.ttuhsc.edu/centers-institutes/default.aspx

1. **Center for Membrane Protein Research (est. 2008)**
   a. Over $10 million in current external funding.
   b. Published over 54 peer-reviewed papers last year. Filed four patents in 2017.
   c. 17 members from 7 departments at 2 Universities.
   d. Successful Annual Regional Meeting that was combined with the ACS Southwest Regional Meeting.
   e. Involvement and training of medical students, graduate students (PhD, MD/PhD and Masters Students) and undergraduate students.
   f. Website: https://www.ttuhsc.edu/centers-institutes/membrane-protein-research/default.aspx
2. **Medicine Cancer Center (est. 2008)**
   a. From 2014-2016, published 90 peer-reviewed papers and received almost $28 million in external funding.
   b. 26 faculty members from basic and clinical departments across TTUHSC.
   c. The center has sponsored 5 active FDA IND's, developed 7 phase I and II active oncology clinical trials, and in 2014-2016 banked over 1300 cancer specimens.
   d. Established several grant-funded national resource labs, involved medical students and graduate students in clinical and translational research
   e. Formed a company (CerRx) to perform clinical trials using drugs developed by members of the Cancer Center.
   f. Website: http://cancer.ttuhsc.edu
3. **Center for Ethics, Humanities & Spirituality (est. 2010)**
   a. Excellent resource for student, faculty and the community for education in ethics and humanities.
   b. Offer a four-year Certificate Program in Medical Humanities and Ethics. Sixty-six students are currently enrolled in the program. Twenty-two students have graduated from the program.
   c. Seminars on Ethics, Humanities and Spirituality are offered throughout the year. Ethics and Humanities are being incorporated into the medical school curriculum.
   d. Website: http://www.ttuhsc.edu/som/centerforethics/default.aspx
4. **Breast Center of Excellence (est. 2010)**
   a. Received accreditation by the National Accreditation Program Breast Centers (NAPBC) in 2010. Received re-accreditation from the NAPBC in 2013.
   b. In 2013 an Interdisciplinary Breast Fellowship Program with accreditation from the Society of Surgical Oncology was created. Four fellows have graduated from this program. In 2016, the program added an optional year with MPH program.
   c. Awarded over $3 million from CPRIT for access to breast and cervical care. As a result, expanded services to include cervix cancer, and developing a program director's guide and lay training curriculum for Texas. Received $300,000 grant from CPRIT in 2016 for development of dissemination products on establishing a screening program that can be replicated in other parts of Texas.
   d. The center has expanded to Lubbock in collaboration with the Southwest Cancer Center.
   e. Dr. Rahman led the task force to develop procedural guidelines for the American Society for Breast Surgeons.
   f. Website: http://www.ttuhsc.edu/bce/
5. **Center for Tropical Medicine and Infectious Diseases (est. 2011)**
   a. Funding from the Bill and Melinda Gates Foundation and NIH to develop a vaccine for Schistosomiasis. This project has received several patents and is progressing to clinical trial.
   b. Current total awards to center members over $15 million.
   c. Over 180 publications.
   d. Training over 120 students at various levels of education.
   e. Website: http://www.ttuhsc.edu/centers-institutes/tropical-medicine-infectious-diseases/
6. **TTUHSC Surgery Burn Center of Research Excellence (est. 2013)**
   a. Nationally recognized for innovative burn and injury related research.
   b. Investigators who are members of the center have 10 grants totaling over $1.5 million from NIH, TTUHSC, and Army research office.
   c. Published over 25 papers in 2016-2017. Medical students, graduate students and residents were included in publications and presentations.
   d. Website: http://www.ttuhsc.edu/medicine/surgery/research/bcore.aspx
7. **Center of Excellence for Translational Neuroscience and Therapeutics (est. 2015)**
   a. New center with new Chair of the Department of Pharmacology and Neuroscience, Dr. Neugebauer, as Director.
   b. 29 faculty members from basic science and clinical departments at TTUHSC (Lubbock, Permian Basin, Abilene), and TTU. Several newly recruited faculty as members, Drs. Benamar, Guindon, Karamyshev, Lawrence, and Reddy.

Upcoming Nature.com Webcasts



Advances in Microbiome Discovery, Diagnostics, and Therapeutics

Date: Tuesday, June 26, 2018
Time: 8AM PDT | 11AM EDT | 4PM BST | 5PM CEST

Register for FREE

Presented by Nature Research Custom

Sponsored by

Custom webcast: sponsor retains sole responsibility for content

Structural Tools In Your MS Tool Box

Date: Wednesday, June 27, 2018
Time: 8AM PDT | 11AM EDT | 4PM BST | 5PM CEST

Register for FREE

Presented by Nature Research Custom

Sponsored by Thermo Fisher Scientific

Custom webcast: sponsor retains sole responsibility for content

SHORTCAST: Modern Microscopy: Live Cell Imaging with Super-Resolution

Date: Thursday, June 28, 2018
Time: 8AM PDT | 11AM EDT | 4PM BST | 5PM CEST

Register for FREE

Sponsored by

Custom webcast: sponsor retains sole responsibility for content

Human Subject Regulations Decision Charts

The Office for Human Research Protections (OHRP) provides the following graphic aids as a guide for institutional review boards (IRBs), investigators, and others who decide if an activity is research involving human subjects that must be reviewed by an IRB under the requirements of the U.S. Department of Health and Human Services (HHS) regulations at 45 CFR part 46. OHRP welcomes comment on these decision charts. The charts address decisions on the following:

- whether an activity **is research** that must be reviewed by an IRB
- whether the review may be performed by **expedited procedures**, and
- whether **informed consent** or its documentation may be waived.

Considerations

The charts are intended to assist IRBs, institutions, and investigators in their decision-making process and should not be used as substitutes for consulting the regulations. OHRP cautions that the full text of applicable regulatory provisions should be considered in making final decisions.

These charts are necessarily generalizations and may not be specific enough for particular situations. Other guidance

	documents are available related to specific topics, at OHRP Policy Guidance by Topic. OHRP invites inquiries for additional information. The charts do not address requirements that may be imposed by other organizations, such as the Food and Drug Administration, National Institutes of Health, other sponsors, or state or local governments. Chart 1: Is an Activity Research Involving Human Subjects? Chart 2: Is the Human Subjects Research Eligible for Exemption? Chart 3: Does Exemption 45 CFR 46.101(b)(1) (for Educational Settings) Apply? Chart 4: Does exemption 45 CFR 46.101(b)(2) or (b)(3) (for Tests, Surveys, Interviews, Public Behavior Observation) Apply? Chart 5: Does Exemption 45 CFR 46.101(b)(4) (for Existing Data, Documents, Records and Specimens) Apply? Chart 6: Does Exemption 45 CFR 46.101(b)(5) (for Public Benefit or Service Programs) Apply? Chart 7: Does Exemption 45 CFR 46.101(b)(6) (for Food Taste and Acceptance Studies) Apply? Chart 8: May the IRB Review Be Done by Expedited Procedures? Chart 9: May the IRB Continuing Review Be Done by Expedited Procedures? Chart 10: May Informed Consent Be Waived or Consent Elements Be Altered under 45 CFR 46.116(d)? Chart 11: May Documentation of Informed Consent Be Waived Under 45 CFR 46.117(c)? Download Decision Charts in PDF format
	For questions or to submit an item for the research newsletter contact: Dr. Natalia Schlabritz-Lutsevich, Associate Regional Dean of Research at natalia.schlabritz-lutsevich@ttuhsc.edu or Melissa Waggoner, Senior Editor at melissa.waggoner@ttuhsc.edu.