Steven Newby, a PhD student under Dr. Dhar, recently participated in a weeklong course at Wake Forest University's Institute for Regenerative Medicine. The course, entitled the Regenerative Medicine Essentials course, provides a state-of-the-art review of various aspects of regenerative medicine, including background material, key components of the regenerative medicine field, and ethical, economic, and other issues important to regenerative medicine. The one-week course was taught by prominent experts in the field, allowing students to network with leading professionals and offered future researchers insight into the evolution of modern healthcare. The course provided a foundational education on technologies and skills from biological sciences, engineering, legal, commercial, regulatory, and ethical disciplines. Sessions throughout the week addressed the science behind regenerative medicine, its application to human disease, and its importance to modern society. Workshops were designed to provide translational insight on topics such as Perfusion Decellularization on tissue processing at various scales and bioprinting of synthetic biopolymers for structural stability on constructs to bio-inks for maintenance of cell viability in constructs. By the end of the course, students received an advanced understanding of the rules, regulations, and ethics in the regenerative medicine environment, routines for first-in-man clinical trials, and the ethical aspects of translational research. Newby's trip was supported by Dr. Kania, and the information learned at this workshop will help progress large animal regenerative medicine here at UTCVM. UTCVM thanks Dr. Kania for providing this opportunity for Mr. Newby.
Mei-Zhen Cui (PI) and Xuemin Xu (Co-investigator) received a NIH 2R01HL107466 grant award, totaling $1,880,618. Their project, entitled “Novel mechanism mediating LPA-induced smooth muscle cell and vascular responses,” began this month (July 2017) and is expected to continue until June 2021.

Hwa-Chain Robert Wang is the recipient of the 2017 UT Collaborative Research Network Award in Cancer Research for his collaboration with Murali M. Yallapu, assistant professor of pharmaceutical sciences at UTHSC. Their work, entitled “Dual Therapeutic Nanoplatform Delivery for Effective Breast Cancer Treatment,” will help develop a treatment for triple negative breast cancer, which is highly aggressive and difficult to treat. Wang and Yallapu will combine two USDA-approved medicines in a new nanoformulation, targeting the tumor cell with minimal side effects. Dr. Wang is also a recipient of the 2017 Tian-Shan Award given by the Xinjiang Uygur Autonomous Region Government (Xinjiang province, China).

Dr. Lauren Adelman won a 2017 ACVIM Resident Research award at the ACVIM Forum for her abstract, entitled “Effect of Oral Yunnan Baiyao on Periprocedural Hemorrhage and Coagulation in Dogs Undergoing Nasal Biopsy.”

Kiira Rodriguez received the 2017 ACVIM Resident Research Award at the annual conference for her abstract, entitled “Normal Echocardiographic Parameters in Clinically Healthy Adult Tigers with and without Medetomidine Sedation.”

Michael Lane received the Society for Comparative Endocrinology Early Career Abstract Award at the ACVIM Forum for his abstract, entitled “Performance Evaluation of a Veterinary-Specific Enzyme-Linked Immunosorbent Assay for Measurement of Canine Serum Cortisol Concentrations.”

Ralph Harvey has been appointed to the Executive Council for Fear Free, LLC.

PIVOT TRAINING SEMINAR

AUGUST 4, 2017

Make plans to come to the Sequoyah Room on August 4th to learn about Pivot and its funding opportunities. Pivot specializes in providing researchers with grant and other funding opportunities as well as developing research collaborations. Come learn about how Pivot works and how to navigate the system.
Recent Publications


Under the Microscope

The Advanced Microscopy and Imaging Center (AMI Center) is a multi-disciplinary facility that provides microscopy services to support research and teaching at UTK, UTIA, UTMRC, and ORNL. In particular, the AMI center is available for use by all UTCVM faculty and graduate students. For over 30 years, the AMI Center has provided microscopy services, and it has operated as an official re-charge center since 2010. Furthermore, a new piece of equipment was added to the center in December 2015: a new laser scanning confocal microscope. The AMI Advisory Board consists of 6 members from across UTK and UTIA campuses, and Dr. Dhar is one of the members. Please contact her if you have any questions related to the AMI Center. She is happy to send information about the equipment and the opportunities available for students and faculty in the microscopy program.
Accepting Rejection: 
How to GROW After Being Told “NO”

In the life of every academic, publication rejections is part of the norm. Sometimes the manuscript has egregious writing, littered with errors and faulty experimentation. However, oftentimes rejection comes from simple mathematics—there are not enough journals to publish every article submitted. Editors and reviewers must separate the wheat from the chaff, and occasionally, you just don’t make the cut. Although rejection is a universal theme among researchers, not everyone handles rejection the same way. There are positive and negative approaches to rejection. For the sake of one’s health and sanity, it is important for every author to learn to view rejection as an opportunity for growth rather than a reason for failure. Here are three positive perspectives on surviving manuscript rejection.

1. **Really listen to the criticism.** Although you may not agree with the comments being made by the reviewer, it does not mean those comments are necessarily wrong. Try to put yourself in the reviewer’s shoes and see your manuscript from their perspective. Jane Wang, quoted in “Riding Out Rejection: how to navigate the choppy waters of scientific publication,” says, “The trick for getting the most out of reviews is to assume the best of the reviewer.” If you make the conscious decision to believe the reviewer is trying to help, not hurt, you, you are more apt to see the validity of their criticism, even if that criticism comes in a disrespectful tone.

2. **Do not take every comment verbatim.** Oftentimes reviewers will make seemingly outlandish suggestions or completely dismiss whole sections of a manuscript. Obviously, it would not make sense to take those kinds of comments literally; however, it does not mean you can ignore them either. Instead, focus on why they reviewer made the comment he or she did. If they dismissed your entire methods section, is there something within your methodology that is missing or unable to be replicated? If they suggest to change your experiment altogether, consider why the reviewer would make such a comment. Is there a defect in your experiment, or, more importantly, is there a way to revise your writing to make your experiment clearer and more compelling? Do not take all comments at face value; rather, figure out why the comment was made and how best to rectify it.

3. **If at first you don’t succeed, revise it and try another journal.** There are many reasons why a journal might reject a manuscript. Major journals have hundreds of submissions. For instance, Nature alone receives over 10,000 submissions in a year. Moreover, some journals will have thematic issues, and unfortunately, your submission doesn’t fit their topic for that particular issue. Another thing to consider is that the journal may have received multiple submissions with your topic. They can only print one, and yours may not make it. This is good news, though. It means there is nothing wrong with your manuscript per se (minus a few minor changes), so you are free to try a different journal. If you were unsuccessful at making it into a top-tier journal, consider a lesser known or more specific journal. This does not equal defeat. As David Botstein from Princeton University suggest, “The important thing is that you get published. If it’s good and it’s new and it’s true and important, people will find it.” Rejection does not have to equal defeat. In fact, studies found that manuscripts that were rejected by one or more journals before finally being published were cited more often than papers immediately published. So, take your rejection, revise, and grow into a better, and potentially more successful, writer.


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![Mark Your Calendar](image)

This year, UTCVM will be using a new format to showcase our research. Research Day will take place October 3, 2017. It will provide opportunities for presentations by veterinary students, graduate students, and post-doctoral trainees, including residents and PhD post-docs. Registration for attendees and presenters will begin on Tuesday, August 1st and will run until Friday, September 1st at midnight. This year, lunch will be provided to registered attendees. Attendance will be required for veterinary students, and all other members of the UTCVM community are welcome, with support staff participating as their schedules allow. Information for presenters will be available soon.
RECENT PRESENTATIONS


Fowler, KM, Frank LA, Morandi F, Whittemore JC. Extended low dose dexamethasone suppression test for


Don’t Forget!

If you need assistance with statistical analysis or with statistical software, Pendergrass Library is here to help. They have statisticians available by appointment to answer any questions you may have. To schedule an appointment, simply call 865-974-9900. Consultations are FREE for the first 15 hours per semester.

For further information, check out the Research Computing Support website tiny.utk.edu/research-computing