

Dear Colleagues,



October 2016

CAMP TTUHSC:

The Office of Research's camp for high school students is ready for next summer.

July 11th INTRODUCTION TO SCIENCE

1:00-2:00 What is Science? Dr. P. Michael Conn
2:00-2:30 Ethics in Science Dr. Cheryl Erwin
2:30-2:45 Compliance in Science Beth Taraban
2:45-3:00 Refreshments/break
3:00-4:00 Demonstration: Using flies to learn about development Dr. Jeff Thomas
4:00-5:00 Demonstration: Using yeast to learn about aging Dr. Brandt Schneider

July 12th EXPERIENCE AN ACTIVE SCIENCE LAB

1:00-1:30 Laboratory Safety Brandon Mount
1:30-5:00 Visit a research lab HSC Scientists

July 13th TOUR OF TEACHING LABORATORIES

1:00-2:30 Tour of the Simulation Center.
Ultrasound Dr. Vaughan Lee
Heart function Dr. Thomas Pressley
2:30-3:00 Refreshments/break
3:00-3:45 Tour of the histology lab Dr. Jim Hutson
3:45-4:30 Tour of the gross anatomy lab Jason Jones

July 14th CAREERS IN THE HEALTH SCIENCES

1:00-1:30 Research Careers in Biomedical Science Dr. Michael Blanton
1:30-2:00 Research Careers in Health Professions Dr. Tori Gustafson
2:00-2:30 Refreshments/break
2:30-3:00 Research Careers in Nursing Dr. Alyce Ashcraft
3:00-3:30 Research Career in Medicine Louis Perez
3:30-4:00 Preparing for professional schools Louis Perez
4:00-5:00 Refreshments and T-shirts.

Contact information: Jim.hutson@ttuhsc.edu



Dr Elaine Fuchs (*Investigator, Howard Hughes Medical Institute, Rebecca C. Lancefield Professor, Robin Chemers Neustein Laboratory of Mammalian Cell Biology and Development at Rockefeller, is our Presidential Lecturer for 2016. Her topic will be*

“Stem cells in silence, action and cancer” and she is scheduled for *October 13th at 12:00 pm in 1C110 A & B. The lecture will be available on all campuses.* Dr. Fuchs’ lab couples *in vitro* studies with classical genetics, RNAi, and CRISPR-Cas technologies in mice to study the biology of skin stem cells. Her research employs high throughput genomic analyses, live imaging, cell biology, and functional approaches to unravel the molecular pathways that determine the normal balance between stem cell maintenance and differentiation and how this goes awry in cancers. Her team is learning how stem cells establish unique chromatin landscapes and programs of gene expression and how this shifts in response to changes in their local environment. They have found that activating signals from neighboring cells instruct skin stem cells when to make hair and when to repair injuries. Conversely, inhibitory cross talk tells the stem cells when to stop making tissue and rest. This work is accelerating the development of therapeutics to enhance wound repair.

The new section of our website for recruiting faculty to TTUHSC and Lubbock is now in beta testing status.

Have a look (you will need to login, it is not yet public):

https://hscweb.ttuhsu.edu/research/faculty_recruitment1.aspx

Comments are welcome.

Interested TTU Collaborators can be found on our research website under News and Announcements



Program
search
combinant
alliance
formation
new (QI)
programs



VIDEOS (PRESENTATIONS & WORKSHOPS)

NEWS & ANNOUNCEMENTS...

NIH NEWS here

New Faculty at TTU Interested in Collaboration

SCOPUS SEARCH FOR PUBLICATIONS BY TTUHSC FACULTY

- New Bill & Melinda Gates Foundation Initiative - [read more](#)
- Dr. Prabhakar to Chair Session at 2017 Experimental Biology Meeting - [read more](#)
- Mr. Mohammad Jahidur 'Jahid' Rashid, Ph.D. Candidate in the Graduate Program in Pharmaceutical Sciences has been selected by the FDD Section of the AAPS to receive a travel award - [read more](#)
- Alok Ranjan, PhD Candidate, has been selected to receive the 2016 AAPS Graduate Student Research

<https://www.ttuhsu.edu/research/>

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Pam Frazier and Beth Taraban are spearheading the Clinical Research Development Program to facilitate new clinical research development at TTUHSC: you can read about their plans at this link.

https://www.ttuhscc.edu/research/documents/Clinical_Research_Development_Program.pdf

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Michael