Activity Report

From the Desk of Sanjay K. Srivastava, Associate Dean of Sciences

The Office of Sciences celebrates the success of our School of Pharmacy researchers, as calendar year 2018 was the BEST YEAR for productivity and awards in five years, and resulted in over $9 million in grant funding, 70 papers published in scientific journals, several new provisional patents filed, and 25 faculty members with active research programs. The Office of Sciences staff coordinated three workshops for the LCMS core, plus workshops for the Imaging core. (As usual, the LC-MS/MS was the most heavily used equipment by the researchers this year with a total of 1133.25 hours of usage). In another innovation, the Office of Sciences worked with SOM faculty to facilitate a pathway for more collaboration. Two seed grants were provided to basic science faculty and a grant to pharmacy practice faculty.

Finally, the Office of Sciences reorganized the program for the Annual Research Days at the Amarillo Civic Center. This marquee event was attended by 160 researchers, and featured outstanding keynote speakers, breakout sessions, poster judging, student presentations, and notably has resulted in several collaborations. Going forward, we are very excited about 2019, which has already started looking brighter with several new R01 grants funding. The Office of Sciences will continue to provide excellence in service and support, and a calm, steady foundation for encouraging School of Pharmacy researchers to even greater impact and achievement.

25 Faculty Researchers with Active Programs
- Average 88 grant applications per year
- 74% have active Grant Funding; 19 NIH Grants PI Status
- >30,000 citations to School published research

$6M in Major Research Equipment
- Mass spectrometry, NMR, Flow cytometry, Imaging
- Core equipment service contracts costing >$200,000

Research Impact
- 50-70 Scientific Research Papers Each Year
- 30,000 Citations to our Research
- 8 Faculty with H-Index of 25-52
- 5 University Distinguished Professors
- 12 Faculty on NIH Study Section / 1 Chair
- 2 Faculty as Keynote speakers at International Conference
- 1 Amarillo Endowed Professor

Strategic Goals
To collect:
$1 million in indirect Funds from Extramural Research Grants In Support of Research. 85% of Research Indirects funds Come from NIH fund accounts.
Olympus IX81 microscope has been updated by new software CellSens which will control both fluorescence and bright field imaging acquisition and will greatly enhance the quality of images. FACSVerse is working well and is able to test more than 4 colors at the same time. NIS Elements software for Nikon MP confocal microscope has been updated to 5.11 which has some new functions for use. The Nikon confocal microscope has wide range of objectives, including dry air 4X, 10X, and 20X; water based 16X, 25X, 60X; oil based 40X and 100X. The microscopes are located in Amarillo Research Building. Please feel free to contact Amy by email at: Zijuan.Liu@ttuhsc.edu, or by phone at: (806) 414-9199.