



Annual Report and Financial Summary: 2014

Introduction: TABERC was founded in 2009 in Tulsa, Oklahoma. The mission of TABERC is “to develop bioscience research in Tulsa through multidisciplinary and collaborative approaches to undergraduate and graduate education and technical training. To position Tulsa and surrounding area to be a leader in bioscience education, training, research, and innovation by utilizing assets of all area institutions of higher education.” TABERC is currently comprised of nine Tulsa area institutes of higher education: Langston University- Tulsa, Northeastern State University, Oklahoma State University – Tulsa, Oral Roberts University, Rogers State University, Tulsa Community College, Tulsa Technology Center, The University of Oklahoma –Tulsa, and The University of Tulsa. The TABERC executive board includes at least one faculty member from each of the institutional partners. As of 2011, TABERC has a donor advised fund managed by the Tulsa Community Foundation.

2014 Accomplishments:

TABERC sponsored a Summer Internship Program that included an introductory course in laboratory science at Tulsa Community College and the placement of 6 students into local bioscience labs for a 137 hour internship. Additionally 2 high school students were placed in a mini internship which included both the introductory lab course as well as a 30 hour internship .

2014 Financial Summary Statement:

Annual dues from the member institutes and a generous donation in 2014 by Tulsa Community College Foundation allowed TABERC to sponsor the 2014 Summer Internship Program. Direct donations and dues for 2013 totaled \$8,800.30. Total TABERC costs for the student internships was \$10,850.83

2014 TABERC Student Internship Recap

Student Name	Institute	Mentor/Host Institute
Kaily Cox	ORU	Dr. Joel Gaikwad/ORU
Jazeb Ifikhar	TCC	Dr. Al Rouch/OSU-CHS
Lina Guerrero	TCC	Dr. Al Rouch/OSU-CHS
Angela Joy Fortner	TCC	Dr. Randy Wymore/OSU-CHS
Lauren Stewart	RSU	Dr. Randy Wymore/OSU-CHS
Chase Mills	TTC	Dr. Frank Champlin/OSU-CHS

Mini Internship – Student Name	Institute	Mentor/Host Institute
Erin Haastrup	TTC	Dr. Kevin Wang/NSU-Broken Arrow
Kaylee Morrison	TTC	Dr. Kevin Wang/NSU-Broken Arrow

I. Orientation – Thursday, May 29th – OU-Tulsa

II. TCC Selected Topics in Biotechnology – Lab Sprints – BIOT2991 – Dr. Diana Spencer – 6/2-6/6/2014

III. Lab Experience

A. Student interns were expected to work in their host labs a total of 137 hours (7.25 minimum wage) - \$1000 stipend

B. Students doing the mini-internship were expected to work in their host lab a total of 30 hours (7.25 minimum wage)

IV. TABERC Summer Intern Meeting – Friday, June 13th - OU-Tulsa

V. TABERC Final Presentations – Friday July 25th, Tulsa Technology Center

Kaily Cox (ORU)

Curcumin induces apoptosis and lowers the level of survivin in colon adeno carcinoma cell line (HT-29)

Jazeb Ifikhar (TCC)

The Expression of WNK 1& WNK 4 Genes in Male & Female Kidneys & its Association With Blood Pressure

Lina Guerrero (TCC)

Sex Differences in Blood Pressure, Renal Handling of Sodium, and Expression of Renal Sodium Transporters in DOCA-Treated Mice

Angela Joy Fortner (TCC)

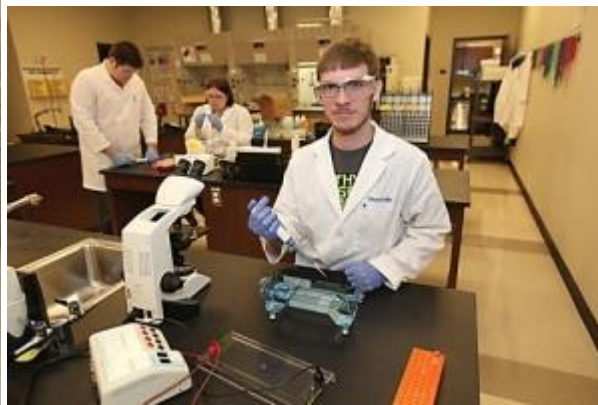
Microbial Analysis of Morgellons Disease Tissue Samples

Lauren Stewart (RSU)

Molecular Analysis of Morgellons Tissue Samples Sequenced with Different Bacterial strains

Chase Mills (TTC)

The Effects of Zinc on Triclosan Efficacy in Disparate Pseudomonas aeruginosa Mutants



2014 TABERC Summer Research Experience: Left: Lina Guerrero (TCC) conducted research on sodium renal handling in the Rouch Lab at OSU-CHS. Right: Chase Mills (TTC) investigated the effects of zinc on Triclosan in the Champlin Lab at OSU-CHS.