

Research Grants: (Total amount funded to UT Tyler since AY 2016 ~ \$ 1.6M)

Active Grants:

2019-2022	Principal Investigator (Academic) <i>RAE - (Realize, Analyze, Engage) - A digital biomarker based detection and intervention system for stress and cravings during recovery from substance abuse.</i> Source: National Institute of Health (NIH) - SBIR; Amount: \$1,706,153 (\$134,310 for UT Tyler) (PIs: Megan Reinhardt, Continue You LLC and Stephanie Carreiro, Univ. of Massachusetts Medical School)
2019 – 2022	Co-Principal Investigator <i>Easy-Med: Interdisciplinary training in security, privacy-assured Internet of Medical Things</i> Source: National Science Foundation; Amount: \$248,597 (PI: Prabha Sundaravadivel, UT Tyler)
2018-2021	Principal Investigator <i>Rising STARS Award</i> Source: The University of Texas System; Amount: \$500,000
2016-2021	Principal Investigator (Analytical Core) <i>Prematurity-related ventilatory control (Pre-Vent)</i> Source: National Institute of Health (NIH); Amount: \$2,455,474 (\$518,645 for UT Tyler) (PI: Namasivayam Ambalvanan, UAB)
2016-2020	Co- Investigator <i>Design of a wearable sensor system and associated algorithm to track suicidal ideation from movement variability and develop a novel objective marker of suicidal ideation and behavior risk in veterans.</i> Source: Department of Veterans Affairs (VA); Amount: \$359,996 (\$55,900 for UT Tyler) (PI: Eric Smith, VA)

Completed Grants (Last 5 years):

2014-2017	<p>Lead Principal Investigator, SCH: EXP: Collaborative Research:</p> <p><i>Design of a wearable biosensor system with wireless network for the remote detection of life threatening events in neonates</i></p> <p>Source: NSF; Amount: \$656,583 (\$144,754 transferred to UT-Tyler);</p> <p>(Co-PIs: David Paydarfar, UT-Austin; Honggang Wang & Yong Kim, UMASS Dartmouth)</p>
2015-2016	<p>Principal Investigator (on subcontract)</p> <p><i>Development of an algorithm to detect and score asthmatic breathing/wheezing respiratory signal of pediatric subjects</i></p> <p>Source: Wyss Institute; Amount: NA (\$34,028 for subcontract)</p> <p>(PI: Don Ingber & Benjamin Mathews, HMS)</p>
2013-2015	<p>Investigator</p> <p><i>Abstinence and Drug Withdrawal: Innovative Translational Approach for Neonates.</i></p> <p>Source: NIH; Amount: \$431,156</p> <p>(PI: Elisabeth Bloch-Salisbury, UMMS)</p>
2010-2014	<p>Investigator</p> <p><i>Circadian Biology at the Supra-Organismal level.</i></p> <p>Source: NIH; Amount: \$1,537,101</p> <p>(PI: William Schwartz, UMMS)</p>
2010-2014	<p>Investigator</p> <p><i>New Technologies for Detection and Treatment of Infant Apnea.</i></p> <p>Source: Wyss Institute; Amount: \$958,263</p> <p>(PI: David Paydarfar, UMMS)</p>