
Innovation Voucher Awards

June 26, 2023

Kardio Status Inc. | \$50,000 | Knowledge Provider Voucher | Brown University | The Innovation Voucher will be used to partner with Brown University's School of Engineering to develop innovative biometric signal processing algorithms using novel machine learning architectures for highly accurate classifying and medical forecasting derived from continuous clinical biometrics. The initial application of this technology involves the classification and prediction of cardiopulmonary disease states derived from single-lead continuous electrocardiography. This technology promises to optimize diagnostics for clinically actionable therapeutics and human performance enhancement with applications in medicine, athletics, public health and the military.

SMöLTAP, Inc | \$50,000 | Manufacturing Voucher | The Innovation Voucher will work to address premature babies born between 28-42 weeks of gestation, as they have shown to have unique requirements for a lumbar puncture (spinal tap) procedure. This grant will fund extensive research and develop for an entirely new solution distinct from the existing SMöLTAP device, as premies must be placed in a prone position, have very sensitive skin, are often intubated and have other support requirements such as oxygen and anesthesia.

Modesys Technologies, LLC | \$50,000 | Knowledge Provider | University of Rhode Island | The Innovation Voucher will pursue the initial feasibility of a new method of ultrasound system for detection of breast cancer. Modesys Technologies, LLC will partner with URI's Physics Department to design and test a novel imaging methodology based on a combination of ultrasonic and photoacoustic effects.

Iantrek, Inc. | \$49,600 | Manufacturing Voucher | The Innovation Voucher would be used to develop an fixture which is able to modify biotissue to a tightly tolerated thickness of approximately +/- 25 microns (+/- 0.0008"). The resulting tissue will then be packaged and made available as part of a medical device system used by ophthalmic surgeons for tissue reinforcement in conjunction with various surgical procedures involving the eye.