



**PRESS RELEASE  
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**SONIC CONCEPTS ACQUIRES EXCLUSIVE RIGHTS TO ULTRASOUND  
NEUROMODULATION PATENTS**

Bothell, WA, [June 13, 2023]: Sonic Concepts, Inc. is pleased to announce the acquisition of an exclusive, worldwide, perpetual license of ultrasound neuromodulation patents from IST, LLC. The patent portfolio contains inventions and patents from Arizona State University that include Dr. William “Jamie” Tyler’s breakthrough discoveries of using low-intensity ultrasound for neuromodulation. In 2008, Dr. Tyler propelled the field of ultrasound neuromodulation forward by making fundamental discoveries and providing key insights that enabled other researchers to begin noninvasively modulating nervous system activity using low-intensity ultrasound. The field has since seen a shift in the number of investigations using low-intensity focused ultrasound for neuromodulation from those using high-intensity, ablative applications.

As the leader in developing focused ultrasound (‘FUS’) technology, Sonic Concepts has seen this paradigm shift over the last 10 years from developing only High Intensity Focused Ultrasound (‘HIFU’), to developing ultrasound systems and transducers for hundreds of globally recognized customers using low-intensity focused ultrasound for neuromodulation of peripheral nerves and central nervous system targets including spinal cord and deep-brain regions.

“Ultrasound neuromodulation technology and its approaches have immensely broad utility across science and medicine. Given our long working relationship, combined with their known quality and history of pioneering ultrasound solutions, Sonic Concepts was a natural home for securing and commercializing our IP. They are real leaders in the field and can enable others to realize the full potential of the technology, which is the ideal use of our assets,” said Tyler about the deal and partnership with Sonic Concepts.

“We are humbled and grateful for Dr. Tyler’s influence in the field of tUS and its impact on Sonic Concepts. In acquiring this ultrasound neuromodulation intellectual property portfolio, we intend to pioneer a new standard of technology and systems that can be tailored to any clinical tUS indication,” said Kyle Morrison, president of Sonic Concepts.

“We are ready to offer the complete ultrasound stimulation package for neuromodulation and to partner with clinicians, entrepreneurs, neuroscientists and respective researchers worldwide with hopes that the field of tUS is adopted as a new standard of healthcare worldwide,” Morrison said.

Over the four years, Sonic Concepts co-developed NeuroFUS® with IST, leveraging the complete ultrasound stimulation for neuromodulation package for pre-clinical transcranial

research on humans. The success of NeuroFUS® for research is largely due to the need of an affordable baseline system to compare results across laboratories and clinics around the world.

Sonic Concepts is actively manufacturing and licensing intellectual property (IP) and system technology to commercial neuroscience companies. As companies continue to discover new neuromodulation indications, Sonic Concepts will embrace customers' vision through strong collaboration in early stage with strategy, development, and commercialization planning. Sonic Concepts will provide off-the-shelf and custom solutions for ultrasound neuromodulation to research laboratories and small businesses exploring applications across a range of experimental preparations ranging from neuronal cultures, tissue slices, intact peripheral and spinal nerves, as well as transcranial targets in animal species ranging from rodents to humans.

The IP portfolio exclusively licensed by Sonic Concepts consists of two key patent families with issued patents broadly protecting the use of ultrasound for neuromodulation of neural tissues including the brain, spinal cord, and peripheral nerves (for example, the vagus nerve) in many countries across North America, Europe, and Asia.

No details regarding the acquisition terms of the exclusive license were disclosed.

**About Sonic Concepts, Inc**

Founded in 1986, Sonic Concepts delivers premium, noninvasive therapeutic ultrasound solutions, bringing life-saving technology to the world.

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