**Personnel Description—Timothy Doyle**

Dr. Timothy Doyle is the originator of the technology featured by Calliope Biophysics, LLC. Dr. Doyle received his BS, MS, and PhD degrees in physics from Utah State University. From 1981-1988, he worked as an industrial scientist in fields as diverse as seismology, nuclear reactor safety, and materials science at the Idaho National Laboratory. From 1991-2004, he developed non-destructive evaluation methods for Trident missile rocket motors and the Space Shuttle Solid Rocket Boosters at ATK Launch Systems, Promontory, UT. As an associate professor of physics from 2004-2018, his work focused on developing medical devices for cancer detection, surgical instruments, and tissue engineering. He is the principal inventor on nine patents in these fields.

Dr. Doyle is the owner and founder of Calliope Biophysics, LLC. He uses his extensive technical expertise to guide and direct the development, testing, and patenting of medical devices. In his academic career, Dr. Doyle was the principal investigator on 42 grants from industry, federal agencies, state agencies, and private foundations, with funding totaling $2.36M. These included an NIH R21 grant to develop and clinically test an intraoperative ultrasonic method to detect malignant tissue in breast cancer surgical margins at the Huntsman Cancer Institute.