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As this paper is focused on recent development of piezoelectric thin film technologies for acoustic-wave-based LOC applications, the following sections briefly introduce the fundamentals of different modes of acoustic waves and their applications for sensing and actuation. The International Microelectronics Assembly and Packaging Society (IMAPS) hosted an Advanced Technical Workshop in San Diego on Advanced Packaging for Medical Microelectronics on January 22-23, 2019, at the Handlery Hotel, San Diego, CA. Hydrogels find widespread applications in biomedical engineering due to their hydrated environment and tunable properties (e.g., mechanical, chemical, biocompatible) similar to the native extracellular matrix (ECM). Aduro Biotech. Aduro Biotech (Aduro), a Triton launched company formed in 2010, stays at the forefront of discovery, development and commercialization of immunotherapies, alone or in combination; that make transformative advances in the treatment of challenging diseases., Novel Advances In Microsystems Technologies And Their Applications.

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