

Dr. Jun Wu is an assistant professor in the department of molecular biology at UT southwestern medical center. Dr. Wu's work has contributed to the development of novel culture systems and methods that enable the generation of new PSCs for basic and translational studies. He has expanded the spectrum of pluripotent states by capturing mouse PSCs with distinct molecular and phenotypic features from different developmental stages. And some of these culture conditions developed in mice enabled the generation of PSCs from many other mammalian species, including humans, non-human primates and ungulates. In addition, Dr. Wu has developed an efficient and versatile blastocyst complementation system for *in vivo* generation of functional tissues and organs from cultured PSCs, and several blastocyst models based on cultured stem cells. Dr. Wu is an UT Southwestern endowed scholar, a CPRIT scholar and a NYSCF-Robertson Stem Cell Investigator.