

Chan, Ming

Ming Chan is a pediatric endocrinologist and clinical, translational, and basic researcher with an interest in the reproductive endocrine system. He received his undergraduate degree from Yale University and his MD and PhD from the University of California, San Francisco. He also received his general pediatrics training at UCSF, and he received his training in pediatric endocrinology at Boston Children's Hospital. For his fellowship research, he worked with Dr. Stephanie Seminara in the Reproductive Endocrine Unit at Massachusetts General Hospital to study the physiology of the reproductive neuropeptide kisspeptin in mouse models and in humans.

Dr. Chan's research focuses on three areas. 1) Delayed puberty: Through clinical research and human genetic approaches, Dr. Chan seeks to understand the mechanisms that determine the timing of puberty, to develop new diagnostic tests for to predict outcomes for children with delayed puberty, and to understand the short- and long-term effects of sex hormones. 2) Disorders of sex development: Dr. Chan is using next-generation sequencing methods to identify genetic conditions that affect genital development and is also studying the clinical impact of using these approaches on patients and families. 3) Transgender youth: Dr. Chan is part of a 4-site longitudinal study studying the effects of hormonal treatments (pubertal blockers, cross-sex hormones) on transgender youth.