



SPECIAL SEMINAR

Principal Investigator Candidate Developmental and Stem Cell Epigenetics

Dr. Zhao Zhang

Staff Associate / Principal Investigator
Carnegie Institution for Science, Department of Embryology
Baltimore, Maryland

Title:

“The arms race between hosts and their
transposons“

Thursday, January 17, 2019

3:00 p.m.

Location:

**Mount Sinai Hospital
60 Murray Street, 3rd Floor, Room 203**

Dr. Zhang did his Ph.D. at the University of Massachusetts Medical School with Phillip Zamore and William Theurkauf, world leaders in small RNA biology. There he made key discoveries on the roles of small RNAs (piRNAs) as a genomic "immune system" that controls the activity of transposable genetic elements and promotes genome stability. After his PhD, he directly became a Staff Associate, an independent junior PI position, at the Carnegie Institution for Science, Department of Embryology, Baltimore, Maryland. He is investigating the impact and regulation of transposons during oogenesis and intestinal development, aiming to uncover their influence on reproduction, development, and disease. His work has been published in *Cell*, *Developmental Cell* and *Molecular Cell*, among other journals.

Host: Miguel Ramalho-Santos