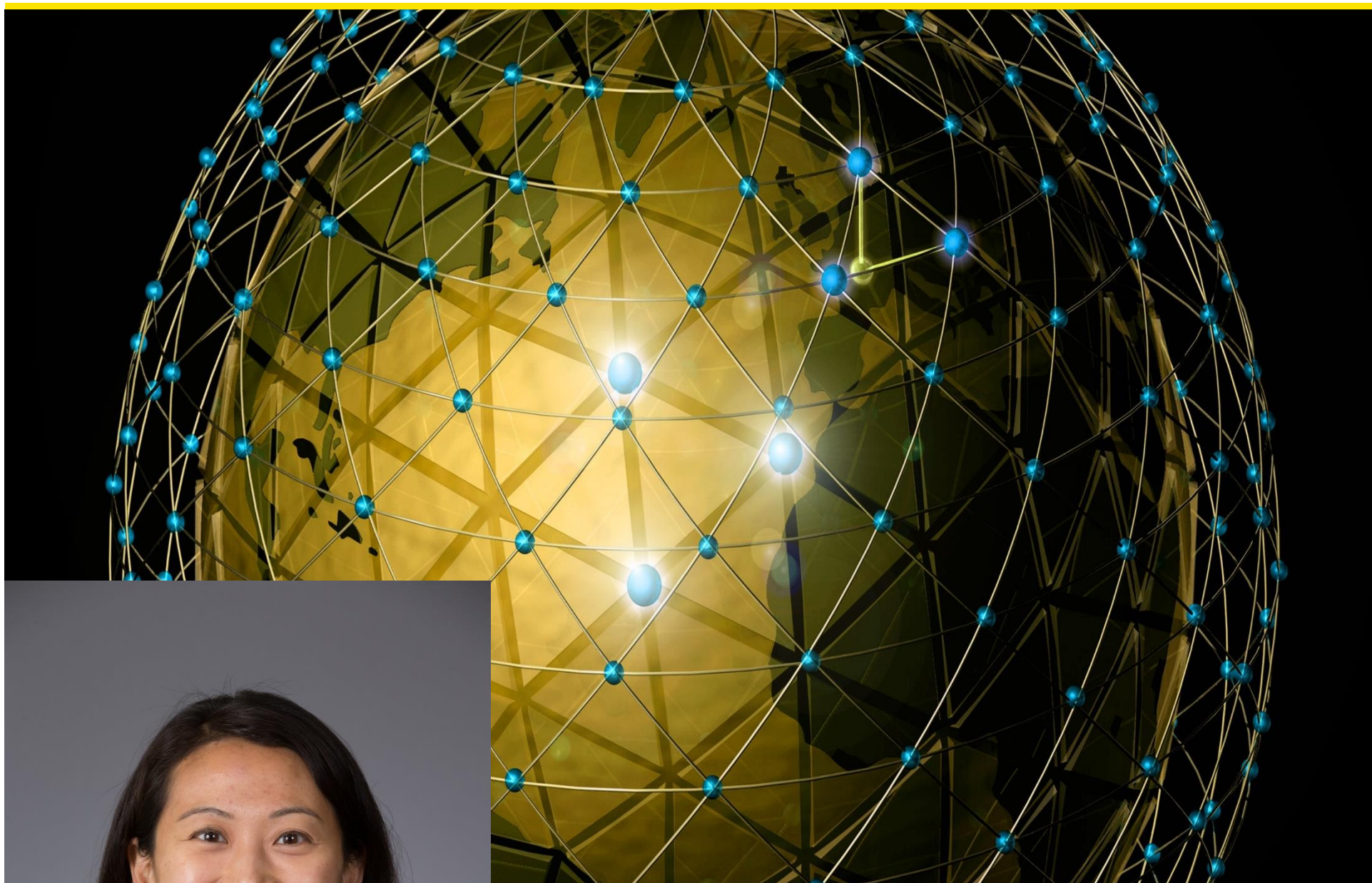




TEXAS A&M UNIVERSITY  
Science Outreach

# Finding Periodic Genes: From Mice to Mathematics



**This talk focuses on how a question coming from biology — Which genes are involved in biological clocks? — led to some beautiful mathematics. Specifically, we focus on certain statistical tests, called “convex rank tests,” which helped identify molecular components of biological clocks and show that they have some surprising connections to other areas of mathematics.**

**Dr. Anne J. Shiu**  
*Department of Mathematics*  
TEXAS A&M UNIVERSITY

**MONDAY, NOVEMBER 26**  
4 P.M.

Room 117 | Blocker Building

*A reception will follow the lecture outside  
Blocker 117*

The Ethel Ashworth-Tsutsui  
Memorial Awards and Lecture  
are sponsored by  
Women In Science and  
Engineering



**Recipients of the Ethel Ashworth-Tsutsui Memorial Awards will be recognized following the lecture.** These awards are given to honor the memory of Ethel Ashworth-Tsutsui, a founding member of the WISE organization and a leader in enhancing women's presence in science and technology fields. The Ethel Ashworth-Tsutsui Award for Mentoring was established to recognize women graduate students, postdoctoral researchers, and research staff who take action to encourage and support women graduate students. The Women in Science and Engineering is an organization of women graduate students, faculty, postdoctoral fellows, and staff at Texas A&M University. This organization aims to improve conditions on campus for women from all technical and scientific colleges by providing resources and a community for women at all stages of their scientific careers.

[outreach.science.tamu.edu](http://outreach.science.tamu.edu)