

2nd RARE DISEASES AND RARE CANCERS IN THE ERA OF SYSTEMS BIOLOGY SYMPOSIUM
THURSDAY, NOVEMBER 14, 2024, 8am-6pm (CST)

8:00AM WELCOME

Dr. John R. Raymond, Sr.
President, Medical College of Wisconsin, WI

Dr. Raul Urrutia
Director, Mellowes Center for Genomic Sciences and Precision
Medicine, WI, MCW

8:15AM KEYNOTE

Dr. Peter Lewis University of Wisconsin-Madison, WI
*Insights into Chromatin Misregulation in Cancer through the
Dissection of Polycomb Repressive Complex 2*

9:25AM AHW SUPPORT

Dr. Ugwuji Maduekwe
Deputy Director, Advancing a Healthier Wisconsin

**9:30AM PANEL 1:
PHENOTYPING
CHROMATINOP-
ATHIES &
MECHANISMS OF
DISEASES**

Dr. Shigeki Iwase University of Michigan Medical School, MI
*Histone H3K4 methylation dynamics in
neurodevelopment*

Dr. Xiaowu Gai Medical College of Wisconsin
Pediatric Chordoma: A Tale of Two Genomes

Dr. William Hogan Data Science Institute, WI
*Phenotype annotations of BAF complex: a brief overview and
commentary*

Panel Leader: Dr. James Verbsky Medical College of Wisconsin

**11:45PM Special Event:
RARE STORYTELLERS**
***Lunch Provided**

Rare Storytellers: Mellowes Center

Rare Storyteller: **Alexis Feucht**
Shares her journey with Stage 4 Glioblastoma

Medical Guest **Dr. Ryuma Tanaka**
Assistant Professor, Nationwide Children's Hospital, OH

Musical Artist: **Katherine Nagy**
Indianapolis Singer/Songwriter

Interview Moderator: **Steve Scaffidi**
Radio Host 620WTMJ

Host: **Kerry Morgan Hughes, BA, M.Ed.**
Harmony4Hope Founder and President

1:30PM **PANEL 2:**
ADVANCES IN
FUNCTIONAL
GENOMICS

Dr. Mark Osborn University of Minnesota Medical School, MN
Genome engineering for rare disease

Dr. Laura Lambert Mayo Clinic, MN
Functional Omics Approaches to Precision Medicine

Dr. Shinya Yamamoto Baylor College of Medicine, TX
Facilitating rare disease diagnosis through functional studies using Drosophila

Panel Leader: Dr. Eric Klee Mayo Clinic, MN

3:45PM **PANEL 3:**
PHARMACOGEN-
OMICS FRONTIERS &
EPIGENETIC
THERAPEUTICS

Dr. Folefac Aminkeng Medical College of Wisconsin, WI
Precision Health Pharmacogenomics Research and Clinical Implementation for Rare Cancers

Dr. Minoli Perera Northwestern Medicine, IL
Pharmacogenomic insights in African Americans

Dr. Scott Hebring Marshfield Clinic Research Institute, WI
The Study of the Dead

Panel Leader: Dr. Gwen Lomberk Medical College of Wisconsin

5:45PM **CLOSING REMARKS**

Dr. Raul Urrutia
Director, Mellowes Center for Genomic Sciences and Precision Medicine, WI, MCW
