



**Dr. Trudy Mackay**

Dr. Trudy Mackay is the Director of the Center for Human Genetics. She is a member of the National Academy of Sciences, a Fellow of the Royal Society, and a Wolf Prize laureate. Her research focuses on the genetics of complex traits.

**ACTIVE RESEARCH PROGRAMS**

- \* Investigating the roles of gene regulation, post-translational modification and structural variation in common and rare diseases
- \* Developing more powerful models for genotype-phenotype prediction
- \* Utilizing systems genetics approaches in cellular and animal models to more fully understand the genome-wide impact of genetic variants on molecular networks in health and disease in human populations



**Dr. Robert Anholt**

*Neurogenetics; Genetic Architecture of Behavior*



**Dr. Andrei Alexandrov**

*Components of Disease-Associated Human RNA Pathways*



**Dr. Leigh Anne Clark**

*Canine-Inherited Diseases*



**Dr. Zhana Duren**

*Non-coding Variants and Their Influence on Phenotype*



**Dr. F. Alex Feltus**

*Genomic Mechanisms Underlying Phenotype Expression*



**Dr. Julia George**

*Neurogenomics and Neurodegenerative Diseases*



**Dr. Miriam Konkel**

*Genome-Mobilome Interactions in Primates*



**Dr. Lela Lackey**

*mRNA Alternative Splicing and its Contribution to Disease*



**Dr. Jennifer Mason**

*Molecular Mechanisms Underlying Genome Instability in Human Cancers*



**Dr. Christopher McMahan**

*Categorical and Survival Data Analyses; Statistical Genetics*



**Dr. Fabio Morgante**

*Computational Genetics; Genomic Prediction*



**Dr. Liangjiang Wang**

*Genomic Data Integration and Mining; Computational Systems Biology*

