Usher 1F Scientific Research Conference
Virtual Meeting Thursday, October 6, 2022

8:00 - 8:15 AM EDT		**Welcome**
8:00 – 8:10	Melissa Chaikof	Welcoming Remarks
8:10 – 8:15	Elliot Chaikof	Conference Overview

8:15 - 10:15 AM Session 1, Part 1: Prime Editing, AAV gene therapy, and PCDH15 Mini-Genes for Usher 1F Gene Therapy

8:15 – 8:45 Alex Hewitt (CERA, Australia) High throughput screening of USH1F prime editors

8:45 – 9:15 Livia Carvalho (Lions Eye Inst, Australia) Platform optimization for the development of dual AAV gene therapy for Usher 1F

9:15 – 9:45 David Corey (Harvard Medical School) Mini-PCDH15 gene therapy rescues hearing in a mouse model of Usher 1F

Break 9:45 – 10:00 AM

10:00 – 11:00 AM Session 1, Part 2: Prime Editing, AAV gene therapy, and PCDH15 Mini-Genes for Usher 1F Gene Therapy

10:00 – 10:30 Zubair Ahmed (Sehar Riaz) (University of Maryland) Preclinical studies of AAV mediated gene delivery in an USH1F mouse model reveals enduring visual function

10:30 - 11:00 Samuel Pfaff (Salk Institute) Innovating a gene therapy method for efficiently expressing large proteins

11:00 – 12:00 PM Session 2: Insights from Zebrafish Models of Usher 1F

11:00 – 11:30 Vincent Tropepe (University of Toronto) The role of pcdh15 in photoreceptor development in zebrafish

11:30 – 12:00 Monte Westerfield (University of Oregon) Preclinical testing of hexafluoro as a treatment for retinal cell function and survival in USH1F

12:00 – 12:30 PM Session 3: RUSH1F Natural History Study

12:00 – 12:30 Katarina Stingl (University Hospital Tübingen, Germany) Update on the RUSH1F (Rate of Progression of PCDH15-Related Retinal Degeneration in Usher Syndrome 1F) Clinical Trial