Knowles Hearing Center, Northwestern University

Hearing Restoration: Gene therapy, stem cells, regeneration

Friday, October 7, 2016
Hilton Orrington Hotel, Evanston, Illinois

SCHEDULE OF EVENTS

8:00-8:45 a.m.  Registration and Continental Breakfast

8:45-8:55 a.m.  Welcome
Beverly Wright, Northwestern University

8:55-9:15 a.m.  Limitations of today’s hearing technology: do hearing devices really restore hearing?
Tina Grieco-Calub, Northwestern University

9:15-10:15 a.m.  Transcriptional profiling of cochlear development using single cell RNA-Seq
Matt Kelley, National Institutes of Health

10:15-10:30 a.m.  Break

10:30-11:30 a.m.  Coordinated regulation of Atoh1 in cochlear progenitor cell differentiation to hair cells
Albert Edge, Harvard University

11:30-11:50 a.m.  Towards understanding the generation of inner versus outer hair cells in the cochlea
Jaime Garcia-Anoveros, Northwestern University

11:50-1:00 p.m.  Buffet Lunch

1:00-2:00 p.m.  Regeneration of the mammalian vestibular system: does function follow form?
Alan Cheng, Stanford University

2:00-3:00 p.m.  Development of gene therapy for hearing loss and dizziness
Wade Chien, Johns Hopkins School of Medicine

3:00-3:10 p.m.  Break

3:10-4:10 p.m.  A novel therapeutic approach for the prevention of hearing loss
Michelle Hastings, Rosalind Franklin University

4:10-4:30 p.m.  Screening for Neurite promoting factors on spiral ganglion neurons
Donna Whitlon, Northwestern University

4:30-5:00 p.m.  LIGHTING ROUND

5:00 p.m.  Concluding Remarks
Beverly Wright, Northwestern University