Research Symposium in Hearing: Cellular-Level Diagnosis and Personalized Therapy of Sensorineural Hearing Loss

INTRODUCTION

The presenters discuss their work on optical imaging of the inner ear to enable progress in understanding, diagnosing, and treating human sensorineural hearing loss (SNHL). Next, they illustrate their approach to develop personalized therapies for SNHL, using vestibular schwannoma as an example. Finally, they demonstrate the promise of gene therapy, nanotechnology, and computational drug repositioning.

This course was presented and recorded at the 2019 ASHA Convention.

LEARNING OUTCOMES
You will be able to:

- identify optical methodologies that allow visualization of individual cells within the 3D intact inner ear without contrast dyes
- discuss why Anc80 is a promising viral vector for gene transfer in the inner ear
- review computational repositioning of FDA approved drugs for hearing disorders

PROGRAM HISTORY and IMPORTANT INFORMATION

Recording length: 92 minutes
ASHA Convention session date (session #1329): November 22, 2019
End date: November 22, 2024

To earn continuing education credit, you must complete the learning assessment on or before **November 22, 2024**.

APPROVED PROVIDER ASHA CONTINUING EDUCATION AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

ASHA Professional Development is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. **See course information for number of ASHA CEUs, instructional level and content area.** ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This course is offered for 0.15 ASHA CEUs (Advanced level, Professional area).