

# ARC12: Noise-Induced Hearing Loss: From Basic Biology to Prevention

March 28, 2012, Boston, MA

## DRAFT AGENDA

8-8:10am Welcome and Introduction

### Scope of the Problem

8:10-8:55am Robert Dobie - Burden of noise-induced hearing loss and tinnitus

### Scientific Bases

8:55-9:40am Charles Liberman - Biology of noise-induced hearing loss and cochlear injury

9:40-10:25am Kevin Ohlemiller - Noise-induced hearing loss susceptibility and age-noise interactions

### **10:25-10:45am Break**

10:45-11:30am Jos Eggermont – Neural plasticity after noise: Implications for tinnitus, hyperacusis, and other abnormal auditory perceptions

11:30-Noon NIDCD Research Presentation – Dan Sklare

### **Noon-2:00pm Lunch and Poster Presentations**

### Beyond the Audiogram: Evaluating the functional consequences of noise exposure

2:00-2:45pm Mark Chertoff – Acoustic and electrophysiologic views of noise-induced cochlear injury

2:45-3:30pm Rachel McArdle – Using speech signals to assess functional compromise

### **3:30-3:45pm Break**

### NIHL Prevention and Horizon Treatments

3:45-4:30pm William Hal Martin – Noise-induced hearing loss and tinnitus: Stop it before it starts!

4:30-5:15pm Jean-Luc Puel – Can I just take a pill? Pharmacologic treatments for noise-induced hearing loss and tinnitus