

# SDSU/UCSD AUD PROGRAM

## STUDENT RESEARCH PROJECTS

### (2007-PRESENT)

#### 2007-2008

- High- and Low-Frequency Distortion Product Otoacoustic Emissions (DPOAEs) in Different Races and Genders: Level Sweeps and DPOAE Thresholds, Kristin Cowart, 2007, Chair: Laura Dreisbach-Hawe, Ph.D. (SDSU).
- Optimizing Presentation Level for Speech Recognition Testing, Leslie Ann Guthrie, 2007, Chair: Carol L. Mackersie, Ph.D. (SDSU).
- Development and Evaluation of the Spanish Computer-Assisted Speech Perception Assessment Test (CASPA), Noemi Renteria Haro, 2007, Chair: Carol L. Mackersie, Ph.D. (SDSU).
- Evaluation of CHAMP as a Diagnostic Tool for Cochlear Hydrops/Meniere's Disease, Yan Li, 2007, Chair: Erika Zettner, Ph.D. (UCSD).
- Comparison of Results from Speech and Language Screenings with Hearing Screenings with Children Ages 3-7 Years Old, Catherine J. Moyer, 2007, Chair: Peter Torre III, Ph.D. (SDSU).
- Evaluation of Eustachian Tube Function in Normal Subjects, Ariz Slali, 2007, Chair: Erika Zettner, Ph.D. (UCSD).
- Hearing Sensitivity Characteristics from The Hispanic Health and Nutritional Examination Survey, Lori Helen Summerfield, 2007, Chair: Peter Torre III, Ph.D. (SDSU).
- Comparison of Continuous and Pulsed Tones in Normal-Hearing and Hearing-Impaired Individuals, Danielle Allen, 2008, Chair: Peter Torre III, Ph.D. (SDSU).
- Ipsilateral Acoustic Reflex Thresholds at 1000 Hz as a Function of Degree of Cochlear Hearing Loss, Kristy L. Baldwin-Martinez, 2008, Chair: Steve J. Kramer, Ph.D. (SDSU).
- The Reliability of the CHAMP in Identifying Normals and the Under-masking Effect, Jennifer Ann Clark, 2008, Chair: Steve J. Kramer, Ph.D. (SDSU).
- Effects of Varying Degrees of Tinnitus on Low- and High-Frequency Distortion Product Otoacoustic Emission Amplitudes, Courtney Ewell, 2008, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Distortion Product Otoacoustic Emissions and Ultra-High Frequency Puretone Thresholds in Patients with Cystic Fibrosis Taking Tobramycin, Carrie Lakin, 2008, Chair: Erika Zettner, Ph.D. (UCSD).
- The Effect of Spontaneous Otoacoustic Emissions on High-Frequency Distortion-Product Otoacoustic Emissions, Shannon Lees, 2008, Chair: Laura Dreisbach, Ph.D. (SDSU)
- Comparison of Ultra-High Frequency Distortion Product Otoacoustic Emissions and Ultra-High Frequency Behavioral Pure-Tone Thresholds in Normally Hearing Adults, Michael Lindeman, 2008, Chair: Laura Dreisbach, Ph.D. (SDSU).

- Interactive Effects of Noise and Reverberation on Speech Perception, Kathryn L. Pegan, 2008, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Prescribed vs. Preferred Output for a Generic Prescriptive Method in Multi-channel Hearing Aids, Stephanie Smith, 2008, Chair: Carol L. Mackersie, Ph.D. (SDSU).

### 2009-2010

- Bone Conduction Thresholds with and without the Placement of Insert Air-Conduction Transducers, Sierra Bower, 2009, Chair: Steve Kramer, Ph.D. (SDSU).
- Hearing Sensitivity in Patients with Human Immunodeficiency Virus (HIV), Nicole Conrad, 2009, Chair: Erika M. Zettner, Ph.D. (UCSD).
- A Comparison of ECOG and CHAMP with Physician Final Diagnosis in Patients with Suspected Cochlear Hydrops, Jerilyn N. Dutton, 2009, Chair: Erika Zettner, Ph.D. (UCSD).
- The Effects of Footwear on the Sensory Organization and Motor control Tests of Computerized Dynamic Posturography (CDP) in Young, Health Adults, Daniel Finnegan, 2009, Chair: Steve Kramer, Ph.D. (SDSU)
- Ototoxicity Monitoring of Adult Patients with Cystic Fibrosis, Aaron C. Jones, 2009, Chair: Erika M. Zettner, Ph.D. (UCSD).
- Retrospective Chart Review of Exostosis Prevalence and Surgical Procedure, John F. King, 2009, Chair: Quyen T. Nguyen, Ph.D. (UCSD).
- Distortion Product Otoacoustic Emission Amplitude Changes following a Controlled Noise Exposure, Lindsay Moneymaker, 2009, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Attitudes Toward Wearing Hearing Protection in High School and College Students, Philip “Chuck” Schulz, 2009, Chair: Peter Torre III, Ph.D. (SDSU).
- Increasing the Sensitivity of Electrocochleography Using the SP / AP Area Ratio, David H. Stewart, 2009, Chair: Erika M. Zettner, Ph.D. (UCSD).
- Vestibular Evoked Myogenic Potentials in Normal Subjects, C. Colleen Benson, 2010, Chair: Erika Zettner, Ph.D. (UCSD).
- Characterization of Middle Ear Reflectance in Normal-Hearing Children, Alyssa Diersing, 2010, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Retrospective Evaluation of the Champ Protocol Using Early and Late Wave V Components and the Complex Amplitude Ratio in Meniere's Patients, Natasha Fischang, 2010, Chair: Erika Zettner, Ph.D. (UCSD).
- Effect of Phosphodiesterase (PDE)-V Inhibitors on Cochlear Hair Cells and Spiral Ganglion Nerve Cells, Barbara Harris, 2010, Chair: Allen F. Ryan, Ph.D. (UCSD).
- Is a Tinnitus Seminar a Successful Treatment Modality, Caton Harris, 2010, Chair: Erik Viirre, M.D., Ph.D. (UCSD).
- A Comparison of Hearing Aid Adaptation Management Programming: Real-Ear Output and Phoneme Recognition, Shawna S. Lee, 2010, Chair: Carol Mackersie, Ph.D. (SDSU).
- A Comparison of Hearing Aid Technology for Speech Communication over the Telephone, Lindsey R. McMahan, 2010, Chair: Carol Mackersie, Ph.D. (SDSU).

- Comparison of Otoacoustic Emissions in Cigarette Smokers and Nonsmokers, Ghalia Mohder, 2010, Chair: Steve Kramer, Ph.D. (SDSU).
- Characterization of Spontaneous Otoacoustic Emissions in the Presence of Ulta High-Frequency Distortion-Product Otoacoustic Emissions in Adults, Sandra Romero, 2010, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Multifrequency Tympanometry in the Evaluation of Meniere's Disease, Megan Spansail, 2010, Chair: Erika Zettner, Ph.D. (UCSD).

#### 2011-2012

- Intratympanic Injections for Treatment of Sudden-Onset Sensorineural Hearing Loss: A Retrospective Analysis, Kristina Celani, 2011, Jeffrey Harris, M.D., Ph.D. (UCSD).
- Repeatability of High-Frequency Distortion-Product Otoacoustic Emission Thresholds in Cystic Fibrosis Patients, Margaret Chang, 2011, Chair: Laura Dreisbach, Ph.D. (SDSU).
- The Relative Sensitivity of Performance, Physiologic, and Subjective Measures of Listening Effort for a Listening Task of Multiple Levels of Difficulty, Heather Cones, 2011, Chair: Carol Mackersie, Ph.D. (SDSU).
- Effects of Oral Contraception on CHAMP in Normal Hearing Females, Abby Fox, 2011, Chair: Peter Torre III, Ph.D. (SDSU).
- Morphology of Carhart's Notch in Otosclerosis, Arineh Khachatoorians, 2011, Chair: Erika Zettner, Ph.D. (UCSD).
- Repeatability of Ultra-High Frequency Distortion-Product Otoacoustic Emission Group Delay in Adults with Cystic Fibrosis, Caitlin Meuel, 2011, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Education: Improving Collaboration between the Fields of Nursing and Audiology at SDSU, Ashely Brooke Cable, 2012, Chair: Peter Torre III, Ph.D. (SDSU).
- The Effects of Speaking Rate and Noise on Performance, Subjective Work-load and Psychophysiological Measures, Natalie Calderon, 2012, Chair: Carol Mackersie, Ph.D. (SDSU).
- The Repeatability of High Frequency DPOAEs in Children, Amanda Conrad, 2012, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Ocular Vestibular-Evoked Myogenic Potentials Response Variability in Normal Subjects, Jasmine Hu, 2012, Chair: Erika Zettner, Ph.D. (UCSD).
- The Effects of Increasing Awareness of Noise Exposure on One's Perception of Noise, Michael Webb, 2012, Chair: Peter Torre III, Ph.D. (SDSU).
- Neurogenic Competence of Mouse Cochlear Non-sensory Epithelial Cells, Rachel Weichert, 2012, Chair: Alain Dabdoub, Ph.D. (UCSD).

#### 2013-2014

- Simultaneous Recordings of Auditory Brainstem Response (ABR) and Electrocochleographic Response (ECOG) Parameters and Variability in Normal Hearing Adults, Anja Arko, 2013, Chair: Steve Kramer, Ph.D. (SDSU).
- Effects of Music Listening on Strength of Contralateral Suppression of Distortion Product Otoacoustic Emissions, Amanda Ball, 2013, Chair: Peter Torre III, Ph.D. (SDSU).

- The Effects of Computer-based Auditory Training on Speech Perception by Adults with Hearing Loss, Stephanie Bigler, 2013, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Wideband Middle Ear Reflectance and Multifrequency Tympanometry in Patients with Meniere's Disease, Collyn Gallant, 2013, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Objective and Subjective Measures of Listening Effort for Speech Perception in Adult Cochlear Implant Users, Stephani Gonzales, 2013, Chair: Erika Zettner, Ph.D. (UCSD).
- Auditory Object Completion and Its Role in Noise-masked Speech Perception in Normally-hearing Adults, Allison Granali, 2013, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Effects of Personal Music System Use in Quiet and in Noise on Distortion Product Otoacoustic Emissions, Lauren Harrison, 2013, Chair: Peter Torre III, Ph.D. (SDSU).
- The Effect of Competition Type and Hearing Loss on Psychophysiological Measures, Performance and Subjective Ratings of Task Load, Imola Major, 2013, Chair: Carol Mackersie, Ph.D. (SDSU).
- Hearing Preservation Following Gamma Knife Radiosurgery for Acoustic Neuroma, Robin Williams, 2013, Chair: Erika Zettner, Ph.D. (UCSD).
- Effects of Hearing Loss, Noise Level, and Unpredictable Auditory Intrusions on Sentence Recognition, Psychophysiological Reactivity, and Subjective Ratings of Task Load, Emily Wilson, 2013, Chair: Carol Mackersie, Ph.D. (SDSU).
- The Effect of Surface Modification of Titanium Substrates on Spiral Ganglion Dendrite Outgrowth, Thomas Ryan, 2013, Chair: Allen Ryan, Ph.D. (UCSD).
- Clinic Specific Normative Data for the Stacked Auditory Brainstem Response (SABR), Samantha Barbour, 2014, Chair: Erika Zettner, Ph.D. (UCSD).
- Speech Recognition Threshold Measures: A Comparison of Two Procedures, Gina Gabrielli, 2014, Chair: Erika Zettner, Ph.D. (UCSD).
- DPOAE Source Contribution in Young Children, Old Children, and Adults, Christine Gagner, 2014, Chair: Laura Dreisbach, Ph.D. (SDSU).
- The Correlation Between Peak, Trough, and Mean Values of Tobramycin and Ototoxicity in Cystic Fibrosis Patients, Elizabeth Harris, 2014, Chair: Erika Zettner, Ph.D. (UCSD).
- Characterization of Spontaneous Otoacoustic Emissions in Children with High-Frequency Distortion Product Otoacoustic Emissions, Talya Jacob (Zell), 2014, Chair: Steve Kramer, Ph.D. (SDSU).
- Repeatability and Feasibility of Individualized Distortion Product Otoacoustic Emission Growth Functions, Hang Lam, 2014, Chair: Erika Zettner, Ph.D. (UCSD).
- Repeatability of High-Frequency Behavioral and DPOAE Measures in Normal-Hearing Children, Shelli Newman, 2014, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Physiological Reactivity and Subjective Workload/Stress During Speech Recognition Tasks in Single-source and Spatially-Distributed Noise, Ashley Page, 2014, Chair: Carol Mackersie, Ph.D. (SDSU).

## 2015-2016

- Early Indication of Noise Induced Hearing Loss in Young Adult Users of Personal Listening Devices, Carol Chou, 2015, Chair: Quyen Nguyen, M.D., Ph.D. (UCSD).
- Speech Audiometry Results in HIV+ and HIV- Adults, Julia Coats, 2015, Chair: Peter Torre III, Ph.D. (SDSU).
- Effects of Caffeine on Distortion Product Otoacoustic Emissions, William Huson, 2015, Chair: Steve Kramer, Ph.D. (SDSU).
- Wideband Middle Ear Reflectance and Multifrequency Tympanometry in Normal Hearing Young Adults, Kelsey Janet, 2015, Chair: Steve Kramer, Ph.D. (SDSU).
- Short-term Repeatability of Tinnitus Assessment Characteristics in Participants Asked to Feign, Steve Liu, 2015, Chair: Steve Kramer, Ph.D. (SDSU).
- Determining Racial Differences in Audiologic Measurements Using an Advanced Calibration Method, Michelle Louie, 2015, Chair: Laura Dreisbach, Ph.D. (SDSU).
- iFrequency: Testing High Frequency Hearing Using an iPhone Application and Apple Ear Pods, Leah Martin, 2015, Chair: Erika Zettner, Ph.D. (UCSD).
- Feasibility of Recording oVEMP Using a Horizontal Surface-Recording Electrode Montage, Laura Rhee, 2015, Chair: Steve Kramer, Ph.D. (SDSU).
- Factors Associated with Ototoxicity in Cystic Fibrosis Patients Treated With Tobramycin, Suzanne Rotan, 2015, Chair: Erika Zettner, Ph.D. (UCSD).
- Relations Between Domain-Specific Sound Tolerance and Executive Function, Stephanie Baxter, 2016, Chair: Carol Mackersie, Ph.D. (SDSU).
- Refining Drug Delivery to the Middle Ear: Examination of a Natural Cellular Mechanism, Kerry Beasley, 2016, Allen Ryan, Ph.D. (UCSD).
- Noise Level Measurements and National City Residents' Attitudes Towards that Noise, Kelly Brennan, 2016, Chair: Peter Torre III, Ph.D. (SDSU).
- The Role of JNK Isoforms in Noise-Induced Hearing Loss and Cochlear Damage, Joseph Hardeman, 2016, Chair: Allen Ryan, Ph.D. (UCSD).
- Effects of Platinum Chemotherapy Across Treatment on Behavioral and Physiological Sensitive Range for Ototoxicity, Melissa Ho, 2016, Chair: Laura Dreisbach, Ph.D. (SDSU).
- The Effects of Noise Types on Subjective Ratings of Acceptance of Background Noise, Megan Lane, 2016, Chair: Carol Mackersie, Ph.D. (SDSU).
- Objective Characterization of Tinnitus Utilizing Pitch Matched Acoustic State Response, Steve Liu, 2016, Chair: Steve Kramer, Ph.D. (SDSU).
- Towards a Clinically Viable Measure of Sentence Context Usage, Charles Ruby, 2016, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Characterization and Repeatability of Middle Ear Reflectance in Children Young and Old, Joseph Yang, 2016, Chair: Laura Dreisbach, Ph.D. (SDSU).

## 2017-2018

- Reverberation Preferences of Cochlear Implant Users and Normal Hearing Listeners in Popular Music, Ashley Chwastyk, 2017, Chair: Steve Kramer, Ph.D. (SDSU).
- DPOAE Source Contribution - Repeatability in Young Children and Old Children, Karolina Crawford, 2017, Chair: Laura Dreisbach, Ph.D. (SDSU).
- The Effects of Social Evaluation and Task Demand on Performance and Indices of Communication-Related Stress, Lucia Kearney, 2017, Chair: Carol Mackersie, Ph.D. (SDSU).
- Audiometric Threshold Changes in Adults with Cystic Fibrosis, Kaitlin Leggins, 2017, Chair: Erika Zettner, Ph.D. (UCSD).
- Prevalence of Balance Disorders in a Cystic Fibrosis Patient Population using Bedside Balance Assessment and Questionnaires, David Nguyen, 2017, Erika Zettner, Ph.D. (UCSD).
- Benefits of Directional Microphones for Understanding Speech in Noise in Cochlear Implant Users, Stacey Ochoa-Armas, 2017, Chair: Erika Zettner, Ph.D. (UCSD).
- Lowest Acceptable Speech-Perception Performance Level, Allison Schauer, 2017, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Effectiveness of Earplug Use in Young Adults, Heather Stenger, 2017, Chair: Peter Torre III, Ph.D. (SDSU).
- Audiometric Impact on ALD Adoption & Satisfaction with Older Adults, Anish Thakkar, 2017, Chair: Erika Zettner, Ph.D. (UCSD).
- Repeatability of Distortion product Otoacoustic Emission Group Delay in Children, Joyce Tsang, 2017, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Behavioral Audiometric Thresholds and Distortion Product Otoacoustic Emissions in the Ultra-High Frequency Range, Charles Bishop, 2018, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Speech in Noise Performance in Dancers and Non-Dancers, Kendall Caminiti, 2018, Chair: Peter Torre III, Ph.D. (SDSU).
- Word-In-Noise Test Performance in Perinatally HIV-Infected and HIV-Exposed but Uninfected Young Adults, Alyssa Cook, 2018, Chair: Peter Torre III, Ph.D. (SDSU).
- Accuracy of Automated and Self-Estimated Pure-Tone Thresholds Relative to Conventional Audiometry, Mark Datuin, 2018, Chair: Carol Mackersie, Ph.D. (SDSU).
- The Effects of Music Exposure on Distortion-Product Otoacoustic Emissions, Brennan Hefner, 2018, Chair: Peter Torre III, Ph.D. (SDSU).
- Descriptive Analysis of Tinnitus with Normal Hearing and Hearing Loss, Christopher Johnson, 2018, Chair: Erika Zettner, Ph.D. (UCSD).
- Development of a Spanish Version of the Computer-Assisted Speech Perception Assessment (CAPSA) Test, Lidia Romero, 2018, Chair: Carol Mackersie, Ph.D. (SDSU).
- The Role of ECRG4 in Early-Onset Hearing Loss and Noise-Induced Cochlear Damage, Lauren Rynders, 2018, Chair: Allen Ryan, Ph.D. (UCSD).
- High-Frequency Evoked Otoacoustic Emissions in Newborns, Rachel Smith, 2018, Chair: Laura Dreisbach, Ph.D. (SDSU).

## 2019-2020 (THROUGH MAY 2020)

- Marijuana Use as a Risk Factor for Hearing in Young Adults, Mallery Eppler, 2019, Chair: Peter Torre III, Ph.D. (SDSU).
- Speech Recognition in Varying Levels of Noise: Talker/Recording effects, Allison Hong, 2019, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Individual Differences in Noise Tolerance domains: Associations with personality, Noise Sensitivity, and Cardiac Responses to Noise, Kayden Kim, 2019, Chair: Carol Mackersie, Ph.D. (SDSU).
- A Comparison of Self-Adjusted Amplification Settings vs. Current Hearing-aid Settings of Experienced Hearing-Aid Users, Alexandra Lithgow, 2019, Chair: Carol Mackersie, Ph.D. (SDSU).
- List Equivalency of HINT Materials using the R-SPACE, Katrina Luong, 2019, Chair: Steve Kramer, Ph.D. (SDSU).
- Sensitivity of Different Otoacoustic Emission Paradigms for Monitoring Ototoxicity in Patients Receiving Platinum Agents as Treatment, Brittany Vlosich, 2019, Chair: Laura Dreisbach, Ph.D. (SDSU).
- Lowest Acceptable Performance Level: Low-Pass Filtered Speech, Jelene Wong, 2019, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Role of Pinocytosis in the Action of Neurotrophins on Spiral Ganglion Dendrite Growth, Shannon Doolittle, 2020, Chair: Allen Ryan, Ph.D. (UCSD).
- Preferred speech spectrum and its dependence on overall level change, Jason Duda, 2020, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- CE: Chirp Effects on ABR Components in those with and Without Meniere's Disease, Nicholas Faillace, 2020, Chair: Laura Dreisbach, Ph.D. (SDSU).
- A Self-Administered Consonant Contrast Test: Development, Effects of Low Pass Filtering and Form-Equivalence, Gregory Hobbs, 2020, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Headphone Type as Indicative of Risk Factors for Hearing in Young Adults, John Parsons, 2020, Chair: Peter Torre III, Ph.D. (SDSU).
- Comparison of Benefit Achieved by Noise Reduction Strategies in Cochlear Implants Using 4-and 20-Talker Babble Noise, Alex Reiser, 2020, Chair: Erika Zettner, Ph.D. (UCSD).
- Comparative Benefits of Directional Microphone Settings to Cochlear Implant Users for Understanding Speech in Noise, Ellen Smith, 2020, Chair: Erika Zettner, Ph.D. (UCSD).
- An Analysis of the Form Equivalence, Practice Effects, and Noise-Performance Function of the Consonant Contrast Test, Christine Nguyen, 2019, Chair: Carol Mackersie, Ph.D. (SDSU).
- Relations Between Resting Heart-Rate Variability and Measures of Self-Esteem in Adults with Hearing Loss, Brittany Thrall, 2020, Chair: Carol Mackersie, Ph.D. (SDSU).
- The Effect of Controller Configuration on Self-Adjusted Amplification Output by Individuals with Hearing Loss, Jennifer Retana, 2020, Chair: Carol Mackersie, Ph.D. (SDSU)

## 2020-21 (THROUGH MAY 2021)

- The Role of CD44 in Noise Exposure and Cochlear Damage, Molly Cooper, 2020, Chair: Allen Ryan, Ph.D. (UCSD).
- Relations Between the Patterns of Cardiac Reflexive Responses and Subjective Noise Tolerance and its Associated Criteria, Belinda Baroody, 2020, Chair: Carol Mackersie, Ph.D. (SDSU).
- Lowest Acceptable Signal-to-Noise Ratio, Paul Grand, 2020, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Hearing Aids, Clinically Fit, Compared with Prescription and Self-Adjustment, Shaelyn Painter, 2020, Chair: Arthur Boothroyd, Ph.D. (SDSU).
- Audiometric and Amsterdam Questionnaire Response Pattern for Jet Fuel Inhalation and Noise Exposure Induced Central Auditory Nervous System Dysfunction, Reginald Arevalo, 2021, Chair: Laura Dreisbach-Hawe, Ph.D. (SDSU).
- Hearing Sensitivity in Perinatally HIV-Infected Children of Cape Town, South Africa, Nicolette Dome, 2021, Chair: Peter Torre III, Ph.D. (SDSU).
- Outer Hair Cell and Neural Function in Perinatally HIV-Infected Children (PHIV) of Cape Town, South Africa, Shaina Jones, 2021, Chair: Peter Torre III, Ph.D. (SDSU).
- Changes in Cochlear and Neural Function in Young Adults After Music Exposure, Amanda Kaae, 2021, Chair: Peter Torre III, Ph.D. (SDSU).
- Characterization of Distortion-Product Otoacoustic Emission Levels at Ultra High Frequencies by Stimulus Level, Age, Sex, and Test Ear, Sky McIntyre, 2021, Chair: Laura Dreisbach-Hawe, Ph.D. (SDSU)
- Preferred Listening Level Using Earphones and Change in Outer Hair Cell Function, Carlee Michaelson, 2021, Chair: Peter Torre III, Ph.D. (SDSU).
- Changes in DPOAEs and Differences in Objective Listening Levels With and Without Background Noise, Shannon O'Donnell, 2021, Chair: Peter Torre III, Ph.D. (SDSU).
- The Clinical Utility of Multi-frequency Tympanometry in the Diagnosis of Meniere's Disease, Shelby Smith, 2021, Chair: Erika Zettner, Ph.D. (UCSD).
- The Effects of Person-Related Factors on Individual Differences of Cognitive Performance in Noise, Jocelyn Yang, 2021, Chair: Carol Mackersie, Ph.D. (SDSU).



**2021-22 (DECEMBER 2021 THROUGH MAY 2022)**

- Development of Materials for a Self-Administered 8-Alternative Forced-Choice Word-Recognition Test, Elena Shur, 2021, Chair: Arthur Boothroyd, Ph.D. (SDSU)
- The Relationship Between Extended-High Frequency DPOAE Level, Extended-High Frequency Behavioral Thresholds and Speech in Noise Performance. William Hansen, 2021, Chair: Laura Dreisbach Hawe, Ph.D. (SDSU)
- Noise Acceptability Criteria Used by Persons with Hearing Loss, Jenna Bradley, 2021, Chair: Carol Mackersie, Ph.D. (SDSU)
- Development of Multifrequency Tympanometry Normative Data for Sensorineural Hearing Loss, Lindsey Bernard, 2021, Chair: Erika Zettner, Ph.D. (UCSD)
- Development of 2000 Hz Susceptance Normative Data in Normal Hearing, Taylor Beck, 2021, Chair: Erika Zettner, Ph.D. (UCSD)
- Predictors of Hearing-Related Stress of Persons with Acquired Hearing Loss, Kiri Rao, 2022, Chair: Carol Mackersie, Ph.D. (UCSD)
- Rethinking the clinical utility of distortion-product otoacoustic emission (DPOAE) signal-to-noise ratio, Nicholas Portugal, 2022, Chair: Laura Dreisbach-Hawe, Ph.D. (SDSU)
- Music and Hearing Aids, Jacob Hohsfield, 2022, Chair: Arthur Boothroyd, Ph.D. (SDSU)
- Noise Exposure and the Use of Hearing Protection in College Music Major Students, Da Mok Min, Chair: Peter Torre III, PhD