SDSU/UCSD AUD PROGRAM
STUDENT RESEARCH PROJECTS
(2007-PRESENT)

2007-2008

- 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).
- Comparison of Continuous and Pulsed Tones in Normal-Hearing and Hearing-Impaired Individuals, Danielle Allen, 2008, Chair: Peter Torre III, Ph.D. (SDSU).
- The Effect of Spontaneous Otoacoustic Emissions on High-Frequency Distortion-Product Otoacoustic Emissions, Shannon Lees, 2008, Chair: Laura Dreisbach, 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).
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).
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).
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 Technology for Speech Communication over the Telephone, Lindsey R. McMahan, 2010, Chair: Carol Mackersie, Ph.D. (SDSU).
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<tr>
<th>Year</th>
<th>Title</th>
<th>Authors</th>
<th>Chair</th>
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<tr>
<td>2010</td>
<td>Comparison of Otoacoustic Emissions in Cigarette Smokers and Nonsmokers</td>
<td>Ghalia Mohder</td>
<td>Steve Kramer, Ph.D.</td>
<td>SDSU</td>
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<td>Characterization of Spontaneous Otoacoustic Emissions in the Presence of Ulta High-Frequency Distortion-Product Otoacoustic Emissions in Adults</td>
<td>Sandra Romero</td>
<td>Laura Dreisbach, Ph.D.</td>
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<td>Multifrequency Tympanometry in the Evaluation of Meniere's Disease</td>
<td>Megan Spansail</td>
<td>Erika Zettner, Ph.D.</td>
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<td>2011</td>
<td>Intratympanic Injections for Treatment of Sudden-Onset Sensorineural Hearing Loss: A Retrospective Analysis</td>
<td>Kristina Celani</td>
<td>Jeffrey Harris, M.D., Ph.D.</td>
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<td>Repeatability of High-Frequency Distortion-Product Otoacoustic Emission Thresholds in Cystic Fibrosis Patients</td>
<td>Margaret Chang</td>
<td>Laura Dreisbach, Ph.D.</td>
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<td>The Relative Sensitivity of Performance, Physiologic, and Subjective Measures of Listening Effort for a Listening Task of Multiple Levels of Difficulty</td>
<td>Heather Cones</td>
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<td>Effects of Oral Contraception on CHAMP in Normal Hearing Females</td>
<td>Abby Fox</td>
<td>Peter Torre III, Ph.D.</td>
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<td>Morphology of Carhart's Notch in Otosclerosis</td>
<td>Arineh Khachatoorians</td>
<td>Erika Zettner, Ph.D.</td>
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<td>Repeatability of Ultra-High Frequency Distortion-Product Otoacoustic Emission Group Delay in Adults with Cystic Fibrosis</td>
<td>Caitlin Meuel</td>
<td>Laura Dreisbach, Ph.D.</td>
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<td>Education: Improving Collaboration between the Fields of Nursing and Audiology at SDSU</td>
<td>Ashely Brooke Cable</td>
<td>Peter Torre III, Ph.D.</td>
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<td>The Effects of Speaking Rate and Noise on Performance, Subjective Work-load and Psychophysiological Measures</td>
<td>Natalie Calderon</td>
<td>Carol Mackersie, Ph.D.</td>
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<td>The Repeatability of High Frequency DPOAEs in Children</td>
<td>Amanda Conrad</td>
<td>Laura Dreisbach, Ph.D.</td>
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<td>Ocular Vestibular-Evoked Myogenic Potentials Response Variability in Normal Subjects</td>
<td>Jasmine Hu</td>
<td>Erika Zettner, Ph.D.</td>
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<td>The Effects of Increasing Awareness of Noise Exposure on One’s Perception of Noise</td>
<td>Michael Webb</td>
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<td>Neurogenic Competence of Mouse Cochlear Non-sensory Epithelial Cells</td>
<td>Rachel Weichert</td>
<td>Alain Dabdoub, Ph.D.</td>
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<td>2013</td>
<td>Simultaneous Recordings of Auditory Brainstem Response (ABR) and Electrocochleographic Response (ECOG) Parameters and Variability in Normal Hearing Adults</td>
<td>Anja Arko</td>
<td>Steve Kramer, Ph.D.</td>
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<td>Effects of Music Listening on Strength of Contralateral Suppression of Distortion Product Otoacoustic Emissions</td>
<td>Amanda Ball</td>
<td>Peter Torre III, Ph.D.</td>
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</table>
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).


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).


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).


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).
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).


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).


Characterization and Repeatability of Middle Ear Reflectance in Children Young and Old, Joseph Yang, 2016, 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).


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).


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).


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).
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).


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).


Headphone Type as Indicative of Risk Factors for Hearing in Young Adults, John Parsons, 2020, Chair: Peter Torre III, 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).