

Aaron	Allison Aaron, a graduate research assistant employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Abrahao	Dr. Agessandro Abrahao is employed by the Department of Medicine, Sunnybrook Health Sciences Centre, University of Toronto, received research grants from the ALS Society of Canada and Focused Ultrasound Foundation, and honoraria from Mitsubishi Tanabe Pharma, Amylyx and Neurodiem. AA has no non-financial relationships to disclose.
Abur	Dr. Defne Abur is employed by the University of Groningen and has no relevant financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Adams	Dr. Scott Adams is employed by Western University and received research grants from Parkinson Canada, Parkinson Society of Southwestern Ontario, Weston Brain Institute, and Merz Pharma. He has no financial or nonfinancial relationships to disclose.
Adams	Adelina Adams is a graduate student at the University of New Mexico. She has no non-financial relationships to disclose.
Adluru	Dr. Adluru is employed by the University of Utah and is a co-investigator on NIH R01 DC0168638. He has no nonfinancial relationships to disclose.
Agmon	Dr. Agmon is employed by University of Pennsylvania. She has no financial nor nonfinancial relationships to disclose.
Albrecht	Dr. Franziska Albrecht is a postdoctoral fellow at Karolinska Institutet, Sweden. She has no relevant financial or nonfinancial benefit related to his presentation. She has no nonfinancial relationships to disclose.
Allison	Dr. Kristen Allison is employed by Northeastern University and receives research funding from the NIH/ NIDCD. She has no nonfinancial relationships to disclose.
Alper	Rebecca Alper is employed by the University of Wisconsin-Madison as an assistant professor in the Department of Communication Sciences and Disorders and a PI at the Waisman Center. She has no other financial or nonfinancial relationships to disclose relevant to this presentation.
Amado	Dr. Amado is employed by the Hospital of Pennsylvania. She has no financial nor nonfinancial relationships to disclose.
Arachchige	Ms. Thushani Munasinghe Arachchige is a PhD student at the University of Iowa and she has no relevant financial or nonfinancial benefit related to this presentation. She receives support as a graduate research assistant from the Department of Communication Sciences and Disorders department at the University of Iowa. She has no nonfinancial relationships to disclose.
Arbatti	Lakshmi Arbatti is the VP, Data Science at Modality.AI, Inc. and draws salary and owns shares from the company. She has no non-financial relationships to disclose.
Arenas	Rick Arenas is employed by the University of New Mexico. He has no non-financial relationships to disclose.
Ash	Dr. Ash is employed by University of Pennsylvania. She has no financial nor nonfinancial relationships to disclose.
Ashworth	Ms Phoebe Ashworth is a student at Strathclyde University. She has no nonfinancial relationships to disclose.
Baas	Ms. Baas receives salary from Mayo Clinic. She has no nonfinancial relationships to disclose.
Baer	Dr. Baer is employed by the Hospital of Pennsylvania. He has no financial nor nonfinancial relationships to disclose.
Bajjuri	Ms. Reva Bajjuri is a summer intern at Modality.AI, Inc. and owns shares from the company. She has no non-financial relationships to disclose.
Ballard	Professor Kirrie Ballard is employed by the University of Sydney and is the co-founder of Say66, the company that designed and produced SayBananas!, the mobile app used in this study. She does not currently receive income from Say66. She has no nonfinancial relationships to disclose.
Balz	Magdalen Balz is employed by Boston University and has no nonfinancial relationships to disclose.

Baraduc	Pierre Baraduc is employed by the CNRS (Centre national de la recherche scientifique). He has no nonfinancial relationships to disclose.
Barbe	Prof. Dr. Michael T. Barbe works as a consultant in the Department of Neurology at the University Hospital Cologne, Germany. He received speaker's honoraria from Medtronic, Boston Scientific, Abbott (formerly St. Jude), FomF, derCampus, GE Medical, UCB, Bial, Apothekerverband Köln e.V., BDN, Ever Pharma, Esteve as well as advisory honoraria for the IQWiG, Medtronic, Esteve, Boston Scientific and Abbvie. Research funding was provided from the Felgenhauer-Stiftung, Forschungspool Klinische Studien and Köln Fortune (University of Cologne), Horizon 2020 (Gondola), Medtronic (ODIS, OPEL, BeAble), and Boston Scientific.
Barkmeier-Kraemer	Dr. Barkmeier-Kraemer is employed by the University of Utah and is funded by the NIDCD on relevant research (R01 DC0168638; P50DC019900). In addition she receives royalties from MedBridge, Inc for online courses on vocal tremor. As a nonfinancial relationship, Dr. Barkmeier-Kraemer is a member of ASHA SIG3 and a member of the Dysphonia International Scientific Advisory Council and Movement Disorder Society Speech Study Group.
Barnett-Tapia	Dr. Barnett-Tapia has been a consultant for Argenx, Sanofi, Janssen, and Alexion. She has received research grants from Grifols, Octapharma, US Department of Defense, and Muscular Dystrophy Canada. None of these are related to this work.
Barrett	Dr. Tyson Barrett is employed by Highmark Health as a manager of a healthcare research team and Utah State University as a researcher. He has no financial nor nonfinancial relationships to disclose.
Baykara	Dr. Ebru Baykara is a clinical researcher at the company ki:elements and works on speech biomarkers for movement disorders. She has no relevant financial relationships to disclose.
Baylor	Dr. Carolyn Baylor is employed by the University of Washington. This work was funded by the National Institute on Deafness and Other Communication Disorders. She has no nonfinancial relationships to disclose.
Beasley	Linnea Beasley is a graduate student at the University of Washington. She has no nonfinancial relationships to disclose.
Behroozmand	Dr. Roozbeh Behroozmand is a salaried Associate Professor in the Department of Speech, Language, and Hearing at the University of Texas at Dallas, and has received research grants from the National Institute of Health. He has no nonfinancial relationships to disclose.
Beiting	Molly Beiting is a postdoctoral fellow at Syracuse University. She has previously received funding from a research grant (R01 DC017768; PI: Maas). She has no other financial or nonfinancial relationships to disclose relevant to this presentation.
Benway	Nina Benway is an NIH T32 postdoctoral research fellow in electrical engineering at the University of Maryland. Nonfinancial disclosure: she oversees software development for Speech Motor Chaining/ChainingAI.
Bergman	Aliza Bergman, an undergraduate research assistant employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Berisha	Visar Berisha, PhD is employed by Arizona State University and worked as the principal investigator for this project. No nonfinancial relationships to disclose.
Bernick	Charles Bernick is employed by the Cleveland Clinic Lou Ruvo Center for Brain Health and has received research support from UFC, Top Rank Promotions, and Haymon Boxing. He has no nonfinancial relationships to disclose.
Berry	Dr. James Berry, MD, MPH is employed by the Massachusetts General Hospital and has received research support from Biogen, Alexion, Amylyx, MT Pharma Holdings of America, Grant Support-MT Pharma of America, Rapa Therapeutics, Biogen, Alexion. JB has no nonfinancial relationships to disclose.
Berry	Dr. Jeffrey Berry is employed by Marquette University as an Associate Professor and his effort for this project was supported by funding from NIH NIDCD. He has no nonfinancial relationships to disclose.

Björelius	Helena Björelius is employed by the Karolinska Institutet and Danderyd Hospital and has no financial or nonfinancial relationships to disclose.
Borrie	Dr. Stephanie Borrie is employed by Utah State University as an associate professor and her research lab receives funding from NIH NIDCD. She has no nonfinancial relationships to disclose.
Bouchard	Haley Bouchard recently graduated from the University of Washington Medical SLP Program and partially funded this project with the ASHA SPARC award. She has no non-financial relationships to disclose.
Bouvier	Dr. Liziane Bouvier is employed by McGill University, and has received salary from a National Institutes of Health (NIH NIDCD) grant. LB has no nonfinancial relationships to disclose.
Bowers	Dr. Bowers is employed by University of Arkansas (Department of Communication Sciences and Disorders). He has no non-financial relationship to disclose.
Bricker-Katz	Geraldine Bricker-Katz Financial disclosure: Nil Nonfinancial Disclosure: Affiliate Lecturer and Researcher at The University of Sydney
Brown	Mr. Brown is employed by University of Tennessee Health Science Center (Department of audiology and speech-language pathology). He has no non-financial relationship to disclose.
Brown	Ms. Brown receives salary from Mayo Clinic. She has no nonfinancial relationships to disclose.
Brumberg	Jonathan Brumberg is a faculty member at the University of Kansas and received a research grant from the National Institute on Deafness and other Communication Disorders. He has no non-financial relationships to disclose.
Buchwald	Dr. Adam Buchwald is a Professor of Communicative Sciences and Disorders at New York University, and the director of the Psycholinguistics, Aphasia, and Neuromodulation Lab. His work focuses on speech and language production of neurotypical adult populations and adults with acquired language deficits (e.g., aphasia, apraxia of speech). This research is supported by NIDCD (R01DC018589) and he has no non-financial relationships to disclose.
Budge	Samantha Budge is a PhD student at Utah State University. She has no relevant financial or nonfinancial relationships to disclose.
Bullen	Anja Bullen is a graduate student at the University of Washington. She has no nonfinancial relationships to disclose.
Bunton	Dr. Bunton is employed by the University of Arizona. She has no nonfinancial relationships to disclose.
Camelio	Maggie Camelio is employed by Northeastern University. She has no non-financial relationships to disclose.
Case	Julie Case is employed by Hofstra University and has research funding from the Once Upon a Time Foundation and NIH-NIDCD. She has no nonfinancial relationships to disclose.
Casenhiser	Dr. Casenhiser is employed by the University of Tennessee Health Science Center where he is an associate professor. He has no relationships to disclose.
Caspari	Susan Caspari is employed by Temple University. She is Co-Investigator on a research grant from NIDCD (R01 DC017768; PI: Maas). She is also owner of a private practice in speech-language pathology. She serves on the Professional Advisory Council of Apraxia Kids. She donated videos to the Dynamic Evaluation of Motor Speech Skill, and receives no compensation for the donations. She has no other financial or nonfinancial relationships to disclose relevant to this presentation.
Chaboksavar	Sasha Chaboksavar is a student at the University of Groningen, and has no financial or nonfinancial relationships to disclose.
Chang	Daiana Chang is a master's student at Teachers College, Columbia University and has no relevant financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
Chang	Dr. Chang is employed by Rutgers University School of Health Professions in Newark, NJ. She has no financial or nonfinancial relationships to disclose.

Chen	Dr. Chen is employed by Yale University and receives research support from the National Institute on Deafness and Other Communication Disorders. He has no nonfinancial relationships to disclose.
Chen	Dr. Si Chen is employed by the The Hong Kong Polytechnic University. She has no nonfinancial relationships to disclose.
Chenausky	Dr. Chenausky is employed by the MGH Institute of Health Professions and Harvard Medical School and is funded in part by the NIDCD. She has no relevant financial or nonfinancial relationships to disclose.
Cheng	Dr. Hung-Shao Cheng received his PhD in Communicative Sciences and Disorders from NYU. He is now working as post-doc researcher at the Speech Motor Neuroscience Group at UW-Madison. He has no financial or non-financial relationships to disclose.
Chiu	Dr. Chiu is employed by Saint Louis University. She has no nonfinancial relationships to disclose.
Cho	Dr. Cho is employed by University of Pennsylvania and received a research grant from the Alzheimer's Association. She has no nonfinancial relationships to disclose.
Choi	Jiyoung Choi is a doctoral student at Teachers College, Columbia University and has no relevant financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
Chon	Mr. Joshua Chon is employed by the University of California, San Francisco. He has no nonfinancial relationships to disclose.
Chotechuang	Ms. Siri Chotechuang, graduate student in Communication Disorders and Sciences, is employed by the University of Oregon. She has no nonfinancial relationships to disclose.
Ciancio	Mia Ciancio is/was employed by the University of Wisconsin-Whitewater. There are no nonfinancial relationships to disclose.
Ciot	Valentina Ciot was a student at the University of Trento and a research intern at the University of Groningen at the time of data collection. She has no financial or nonfinancial relationships to disclose.
Clark	Dr. Heather M. Clark is employed by the Mayo Clinic and receives financial support from the NIH.
Clarke	Lauren Clarke was a graduate student at Brigham Young University at the time of this study. She has no financial or non-financial relationships to disclose.
Cleland	Dr. Cleland is employed at University of Strathclyde, Glasgow and she has no relevant financial or nonfinancial benefit related to this presentation to disclose.
Cler	Gabriel Cler, Ph.D., is employed by the Department of Speech and Hearing Sciences at the University of Washington. Some of his work is funded by the National Institutes of Health. He has no relevant financial or nonfinancial benefit related to his presentation He has no nonfinancial relationships to disclose.
Cocroft	Sarah Cocroft is employed at Boston University, and she has no nonfinancial relationships to disclose.
Coho	Erin Coho is employed by the University of New Mexico. He has no non-financial relationships to disclose.
Cook	Shina Cook is employed by Hope RISING Clinics in Washington state. Portions of this work were part of her Master's thesis at Temple University. She has no other financial or nonfinancial relationships to disclose relevant to this presentation.
Corcos	Dr. Daniel Corcos is employed by Northwestern University and has no relevant financial or nonfinancial benefit related to this presentation. He has no nonfinancial relationships to disclose.
Cranley	Dr. Cranley is an Associate Professor at the Lawrence S. Bloomberg Faculty of Nursing, University of Toronto. She has no nonfinancial relationships to disclose.
Crasta	Ms. Deepthi Crasta is a PhD student at the University of Iowa and she has no relevant financial or nonfinancial benefit related to this presentation. She receives support as a graduate teaching assistant from the Department of Communication Sciences and Disorders at the University of Iowa. She has no nonfinancial relationships to disclose.

Cross	Caroline Cross, AuD, CCC-A is an audiologist employed by Hearing Associates, Mason City IA and a former student of the University of Iowa. She has no financial or nonfinancial relationships to disclose.
Cuervo Cano	Maria Cuervo Cano is employed by New York University at the Psycholinguistics, Aphasia, and Neuromodulation Lab and has no relevant financial or non-financial benefit related to this presentation. She has no non-financial relationships to disclose.
Cushman	Megan R. Cushman, the lab manager employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Dahl	Kimberly Dahl has received research funding from the National Institute on Deafness and Other Communication Disorders (NIDCD), and has no nonfinancial relationships to disclose.
Dale	Dr. Corby Dale is employed by the University of California, San Francisco. She has no nonfinancial relationships to disclose.
Daliri	Dr. Ayoub Daliri is employed by Arizona State University and is supported by funding from the National Institutes of Health. He has no nonfinancial relationships to disclose.
Darling-White	Dr. Darling-White is employed by the University of Arizona and received a research grant from the National Institutes of Health, National Institute on Deafness and Other Communication Disorders. She has no nonfinancial relationships to disclose.
De Visscher	Dr. Sebastiaan de Visscher is employed by the University Medical Centre Groningen and has no relevant financial or nonfinancial benefit related to his presentation. He has no nonfinancial relationships to disclose.
Demopoulos	Carly Demopoulos serves on the scientific advisory board and owns stock in Modality, AI, Inc.
Desai	Sejal Desai is an intern at Modality.AI, Inc. at the time of writing and owns shares from the company. She has no non-financial relationships to disclose.
Díaz Cádiz	Manuel Díaz Cádiz is employed at Boston University, and he has no nonfinancial relationships to disclose.
DiBella	Dr. DiBella is employed by the University of Utah and is funded by the NIDCD on relevant research (R01 DC0168638; P50DC019900).
Ding	Angela Ding is a master's student at Vanderbilt University Medical Center. She is a graduate student assistant and gets paid hourly by Dr. Mefferd's research grant. She has no nonfinancial relationships to disclose.
Dionne	Dr Annie Dionne is employed by the CHU de Québec and by Université Laval. Dr Dionne has no nonfinancial relationships to disclose.
Dragicevic	Daria A. Dragicevic, a graduate research assistant employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Dromey	Christopher Dromey is employed at Brigham Young University. He has no non-financial relationships to disclose.
Duffy	Dr. Joseph R. Duffy is employed by the Mayo Clinic and receives financial support from the NIH.
Dunsmuir	Courtney J. Dunsmuir, an undergraduate research assistant employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Dupré	Dr. Nicolas Dupré is employed by the CHU de Québec and by Université Laval, he received research grants from CIHR and Ataxie Canada, he serves on the ARSACS Foundation Board and received consulting fees. He has no nonfinancial relationships to disclose.
Eadie	Dr. Tanya Eadie is employed by University of Washington and is a subaward PI on a research grant from the NIH/NIDCD (R01DC015570; PI: Stepp) to support this work. She has no nonfinancial relationships to disclose.
Eidson	Elizabeth Eidson was employed by The University of Texas at Austin and received funding from the National Institutes of Health [R21DC017001 (PI R.A. Lester-Smith)]. She has no nonfinancial relationships to disclose.

Eijk	Dr. Lotte Eijk is employed by the University of York, supported by a Royal Society grant awarded to Dr. Sophie Meekings, and has no other financial or nonfinancial relationships to disclose.
Elman	Dr. Elman is employed by the Hospital of Pennsylvania. She has no financial nor nonfinancial relationships to disclose.
Elrod	Jacob Elrod is an employee of the University of Tennessee - Knoxville. He has no relationships to disclose.
Estrada	Alex Estrada is employed by Boston University. They have no non-financial relationships to disclose.
Factor	Laiah Factor is employed by the University of Texas at Dallas and has no relevant financial or nonfinancial benefits to disclose.
Feaster	Taylor F. Feaster, a research fellow employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Fless	Zuzana Fless, MS, CCC-SLP, is employed by the Sunnybrook Research Institute. ZF has no nonfinancial relationships to disclose.
Fletcher	Dr. Annalise Fletcher is employed by Utah State University as an assistant professor and has received a research grant from the American Speech-Language-and-Hearing Foundation to support this project. She has no nonfinancial relationships to disclose.
Frankford	Saul A. Frankford is employed by Boston University. He has no non-financial relationships to disclose.
Franzén	Professor Erika Franzén is employed by Karolinska Institutet, Sweden. She has no relevant financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Fullenkamp	Adam M. Fullenkamp, Ph.D., is employed by Bowling Green State University and received an internal research grant from Bowling Green State University. He has no nonfinancial relationships to disclose.
Gaines	Jessica Gaines is employed by the University of California, San Francisco. She has no nonfinancial relationships to disclose.
Gallée	Dr. Gallée is employed by the University of Washington. She has no nonfinancial relationships to disclose.
Gates	Kelly Gates received a Research Assistant Stipend from the University at Buffalo under the direction of Dr. Thea Knowles.
Genge	Dr Angela Genge is employed by the Montreal Neurological Institute and McGill University. Dr Dionne has no nonfinancial relationships to disclose.
Ghasemi	Mehran Ghasemi, M.S., is a doctoral student employed by Bowling Green State University. He has no nonfinancial relationships to disclose.
Ghosh	Nayanika Ghosh is employed by The University of Texas at Austin and receives funding from the National Institutes of Health [R21DC017001 (PI R.A. Lester-Smith); R01AG077017-0 (PI E. Thomaz)]. She has no nonfinancial relationships to disclose.
Gildersleeve-Neumann	Christina Gildersleeve-Neumann is employed by Portland State University. She receives a consultant fee through a research grant from NIDCD (R01 DC017768; PI: Maas). She also serves on the Professional Advisory Council of Apraxia Kids. She has no other financial or nonfinancial relationships to disclose relevant to this presentation.
Giliberto	Dr. JP Giliberto has no financial or non-financial relationships to disclose.
Gleichman	Annetje Gleichman is a student at the University of Groningen, and has no financial or nonfinancial relationships to disclose.
Goffman	Dr. Lisa Goffman is employed by the University of Texas at Dallas and this work was funded by the National Institute on Deafness and Other Communication Disorders. She has no relevant financial or nonfinancial information to disclose in relation to this presentation.
Golzy	Dr. Mojgan Golzy is employed by the University of Missouri as an assistant research professor and she has no relevant financial or nonfinancial benefit related to this presentation. She

	receives research support from the National Institutes of Health. She has no nonfinancial relationships to disclose.
Gonzalez-Recober	Ms. Gonzalez-Recober is employed by University of Pennsylvania. She has no financial nor nonfinancial relationships to disclose.
Goodman	Dr. Shawn Goodman is employed by the University of Iowa, and has no financial or nonfinancial relationships to disclose.
Gray	Nasim Gray is a PhD student in Speech Science at The University of Tennessee Health Science Center, located in Tennessee, USA. Her academic pursuits have led her to focus on the speech perception and production of individuals with Down syndrome and cochlear implant users. Her research projects, past and present, have explored the assessment of acoustic features involved in language processing for both typical development and clinical populations in both Persian and English. She does not have financial relationships relevant to the content of the proposal.
Green	Dr. Jordan Green is employed by the MGH Institute of Health Professions, receives salary support from several grants awarded by the National Institutes of Health, and serves as a paid consultant for several pharma and software companies. JG has no nonfinancial relationships to disclose.
Greenlee	Dr. Jeremy Greenlee is employed by University of Iowa and receives research support from the National Institutes of Health. He has no nonfinancial relationships to disclose.
Grigos	Dr. Maria Grigos is a Professor and Chair in the Department of Communicative Sciences and Disorders at NYU. She is employed by New York University and her research on childhood apraxia of speech is funded by the National Institute of Health (NIDCD R01DC018581) and the Once Upon a Time Foundation. Her non-financial disclosures include being a member of the Professional Advisory Council for Apraxia Kids. She has no relevant financial or nonfinancial benefit related to this presentation.
Guenther	Dr. Frank Guenther is employed by Boston University, received research grants from the National Institutes of Health, and receives royalties for his book Neural Control of Speech, published by MIT Press. He has no nonfinancial relationships to disclose.
Gustafsson	Dr. Joakim Gustafsson is a postdoctoral fellow at Karolinska Institutet, Sweden. He has no relevant financial or nonfinancial benefit related to his presentation. He has no nonfinancial relationships to disclose.
Gutz	Sarah Gutz is employed by MGH Institute of Health Professions. SG has no nonfinancial relationships to disclose.
Hadjivassiliou	Prof Hadjivassiliou is employed by Royal Hallamshire Hospital, received a research grant from Ataxia UK and serves on the Ataxia UK Medical Advisory Board. He has no nonfinancial relationships to disclose.
Hadley	Dr. Hadley is employed by the University of Utah and is funded by NIH grants (R01EB028316, R01HL159200, U18EB030607, R01CA259686, and UH3 AR076736) and Siemens Medical Solutions (UTAH2016MR1301PARKERC00220862). He is in part supported by the Radiology Department Cost Center for MRI research. As a nonfinancial relationship, he is a member of the International Society of Magnetic Resonance in Medicine.
Haley	Dr. Katarina Haley is employed by the University of North Carolina at Chapel Hill. She receives grant support from the National Institutes of Health. She has no nonfinancial relationships to disclose.
Halpern	Dr. Bence Halpern was employed by the University of Amsterdam and the Netherlands Cancer Institute during the data collection and received a grant from Atos Medical (Sweden). He has no nonfinancial benefit related to his presentation. He has no nonfinancial relationships to disclose.
Hammer	Michael Hammer is employed by the University of Wisconsin-Whitewater. There are no nonfinancial relationships to disclose.
Hanley	Leah Hanley is employed by University of Canberra. She has no nonfinancial relationships to disclose.
Hansen	Ms. Hansen receives salary from Mayo Clinic. She has no nonfinancial relationships to disclose.
Harkrider	Dr. Harkrider is employed by University of Tennessee Health Science Center (Department of audiology and speech-language pathology). He has no non-financial relationship to disclose.

Harvey Woodnorth	Geralyn Harvey Woodnorth: Ms. Harvey Woodnorth has no financial or non-financial disclosures.
Hayden	Deborah Hayden is employed by the PROMPT Institute and receives payment from the Verbal Motor Production Assessment for Children (VMPAC-R app). She has no nonfinancial relationships to disclose.
Hayes	Ms. Hayes was compensated for this work through her position as a research assistant in the Wisconsin Intelligibility Speech and Communication Lab. She has no financial relationships to disclose.
Healy	Dr. Eric Healy is employed by The Ohio State University as a professor and his research lab receives funding from NIH NIDCD. He has no nonfinancial relationships to disclose.
Heller Murray	Elizabeth Heller Murray: Dr. Heller Murray receives a salary from Temple University. She has no non-financial disclosures.
Hernandez	Mr. Delgado Hernandez is employed by Universidad de La Laguna. He has no non financial relationships to disclose.
Herron	Jeffrey Herron, Ph.D., is employed by the Department of Neurological Surgery at the University of Washington and has no relevant financial or nonfinancial benefit related to his presentation He has no nonfinancial relationships to disclose.
Hier	Kylie Hier: Ms. Hier has no financial or non-financial disclosures.
Higginbotham	Dr. Jeffery Higginbotham received a salary from the University at Buffalo.
Highman	Dr. Chantelle Highman is employed by Curtin University (Western Australia) and is a supervisor on Laura Nelson's PhD committee. She has no other financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Hilger	Dr. Allison Hilger is employed by the University of Colorado Boulder and is using university startup funds for this research. She has no nonfinancial relationships to disclose.
Hinkley	Dr. Leighton Hinkley is employed by the University of California, San Francisco. He has received grants from Dystonia Foundation. He has no nonfinancial relationships to disclose.
Hirsch	Micah Hirsch is a doctoral candidate and graduate research assistant at Florida State University. They are also a recipient of a 2022 ASHFoundation New Century Scholars Doctoral Scholarship. They have no other financial or nonfinancial relationships to disclose.
Hoekzema	Nikki Hoekzema is a student at the University of Groningen, and has no financial or nonfinancial relationships to disclose.
Hosamath	Abhishek Hosamath is a data scientist at Modality.AI, Inc. and draws salary and owns shares from the company. He has no non-financial relationships to disclose.
Houde	Dr. John Houde is employed by the University of California, San Francisco and received grants from the National Institute of Neurological Disorders and Stroke and the National Institute on Deafness and Other Communication Disorders. He has no non-financial relationships to disclose.
Hseu	Anne Hseu: Dr. Hseu receives a salary from Boston Children's Hospital. She has no non-financial disclosures.
Huff	Ellie Huff is employed by the University of Wisconsin-Whitewater. There are no nonfinancial relationships to disclose.
Hustad	Dr. Katherine C. Hustad is employed as a professor at University of Wisconsin-Madison and received a research grant from the National Institute on Deafness and Other Communication Disorders, National Institutes of Health. She has no nonfinancial relationships to disclose.
Huynh	Ms. Huynh is a PhD student at the University of Toronto. Her research is funded by Fondation Vincent Borque-ALS Canada-Brain Canada and TD-KITE Toronto Rehab Graduate Scholarship for Students with Disabilities. She has no nonfinancial relationships to disclose.
Hwang	Dr. Kyung Hae Hwang received her Ph.D. at Teachers College, Columbia University and is the owner and senior speech-language pathologist iTalk Speech & Language Center. She has no relevant financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
Ihn	Bo-Yeon Ihn was a student at Teachers College, Columbia University in New York, NY. She has no financial or nonfinancial relationships to disclose.

Irwin	Dr. Irwin is employed by the Hospital of Pennsylvania and received a research grant from the National Institute of Health. He has no nonfinancial relationships to disclose.
Iuzzini-Seigel	Jenya Iuzzini-Seigel is employed by Marquette University and has research funding from Once Upon a Time Foundation, Apraxia Kids and NIH-NIDCD. She is also a member of the Professional Advisory Council for Apraxia Kids.
Ivry	Dr. Richard Ivry is employed by the University of California, Berkeley. He has received grants from NIH. He has no nonfinancial relationships to disclose.
Jacks	Dr. Adam Jacks is employed by the University of North Carolina at Chapel Hill. He receives grant support from the National Institutes of Health. He has no nonfinancial relationships to disclose.
Jackson	Amelia Jackson was a graduate student at BYU at the time of the study. She has no financial or non-financial relationships to disclose.
Jacobson	Bailey Jacobson is a graduate student at the University of Washington. She has no nonfinancial relationships to disclose.
Jeong	Dr. Jeong is employed by Ewha Womans University Center for Child Development and Disability in Seoul, South Korea. She has no financial or nonfinancial relationships to disclose.
Jeong Lee	Dr. Eun Jeong Lee is Professor of Psychology at Illinois Institute of Technology. Her work is supported by fundings from NIH NIDCD, NSF, NIDILRR, RSA, and Craig Neilsen Foundation. She has no conflicts of interest to report.
Jin	Linna Jingyu Jin is a Post-Doctoral Scholar at the University of Washington. Her work as a Research Assistant on this grant was funded by the National Institute on Deafness and Other Communication Disorders. She has no nonfinancial relationships to disclose.
Jog	Dr. Mandar Jog is employed by London Health Sciences Centre and has received grants from CIHR, MITACS, OCE, Merz, Allergan, Abbvie, and Boston Scientific. MJ has also received speaker fees from Merz, Allergan, Abbvie, and UCB Pharma. He has no nonfinancial relationships to disclose.
Johansson	Fredrik Johansson is employed by the Karolinska Institutet and Danderyd Hospital and has no financial or nonfinancial relationships to disclose.
Johnson	Allison Johnson is a graduate student at the University of Washington. She has no nonfinancial relationships to disclose.
Johnson	Catherine Johnson was a graduate student at Western University and has no relevant financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
Jones	Harrison Jones is employed by Duke University School of Medicine. He has received grant support from Sanofi Genzyme and honoraria from Amicus Therapeutics. He has no non-financial relationships to disclose.
Jonkers	Prof. dr. Roel Jonkers is currently employed by the University of Groningen, and has no financial or nonfinancial relationships to disclose.
Josephs	Dr. Keith A. Josephs is employed by the Mayo Clinic and receives financial support from the NIH.
Kalra	Dr Sanjay Kalra is employed by University of Alberta and has received research grants from the Canadian Institute of Health Research, ALS Canada, Brain Canada, Regeneron, Alnylum, and Biogen. He has no nonfinancial relationships to disclose.
Kapsner-Smith	Ms. Mara Kapsner-Smith received fellowship grant from the National Institute on Deafness and Other Communication Disorders (R01DC015570; PI: Stepp) to support this work. She has no nonfinancial relationships to disclose.
Karlin	Dr. Karlin is employed by the University of Missouri and received a research grant from the National Institutes of Deafness and Communication Sciences and Disorders. She has no nonfinancial relationships to disclose.
Kearney	Dr. Elaine Kearney is a salaried employee at Queensland University of Technology. She has no nonfinancial relationships to disclose.
Keller	Sydney Keller is a master's student at New York University. She has no financial or nonfinancial relationships to disclose relevant to this presentation.
Kim	Dr. Olivia Kim is employed by Bates College. She has no nonfinancial relationships to disclose.

Kim	Dr. Kwang Kim is employed by Purdue University and received a research grant from the National Institute of Deafness and Communication Sciences and Disorders. He has no non-financial relationships to disclose.
Kim	Dr. Yunjung Kim is employed by Florida State University as an associate professor and her work is currently supported by funding from NIH NIDCD and KHIDI. She has no nonfinancial relationships to disclose.
Kim	Soomin Kim is a PhD student at the University of North Carolina at Chapel Hill. Receives a stipend from the National Institutes of Health. She has no nonfinancial relationships to disclose.
Kim	Joy Kim is a master's student in the speech-language pathology program at Rutgers University School of Health Professions in Newark, NJ. She received compensation as a research assistant for her work on this project. She has no nonfinancial relationships to disclose.
Kim	Daniel Kim EdM is a PhD candidate at Vanderbilt University Medical Center. He receives research funding from the Vanderbilt Institute for Clinical and Translational Research (VR60184.1). He has no nonfinancial relationships to disclose.
Kim	Dr. Kyunghye Kim is employed by the University of California, San Francisco. She has no nonfinancial relationships to disclose.
Kinahan	Sean Kinahan is employed by Arizona State University. He has no other financial or nonfinancial relationships to disclose.
Kishnani	Priya Kishnani has received research/grant support from Sanofi Genzyme, Valerion Therapeutics, and Amicus Therapeutics and consulting fees and honoraria from Sanofi Genzyme, Amicus Therapeutics, Maze Therapeutics, JCR Pharmaceutical, and Asklepios Biopharmaceutical, Inc. (AskBio). She is a member of the Pompe and Gaucher Disease Registry Advisory Board for Sanofi Genzyme, Amicus Therapeutics, and Baebies. She has equity in Asklepios Biopharmaceutical, Inc. (AskBio) and Maze Therapeutics.
Klag	Jamie Klag is a paid graduate research assistant at Northeastern University. She has no non-financial relationships to disclose.
Knežević	Dr. Knežević is employed by The University of Zagreb, Department of Speech and Language Pathology. She has no relevant financial or nonfinancial relationships to disclose and has no financial or nonfinancial benefit related to this presentation.
Knowles	Dr. Thea Knowles is employed by Michigan State University and receives a salary. She has no nonfinancial relationships to disclose.
Ko	Andrew Ko, M.D., is employed by the Department of Neurological Surgery at the University of Washington and has no relevant financial or nonfinancial benefit related to his presentation He has no nonfinancial relationships to disclose.
Kopera	Dr. Hailey Kopera is an Assistant Professor in the Communication Sciences and Disorders Department at Iona University. She is employed by Iona University and has no nonfinancial relationships to disclose.
Korzyukov	Oleg Korzyukov is employed by the University of Wisconsin-Whitewater. There are no nonfinancial relationships to disclose.
Kosirog	Christine Kosirog is a Speech Language Pathologist and PhD student at the University of Kansas. She has no financial relationships to disclose.
Kothare	Dr. Hardik Kothare was employed by the University of California, San Francisco. He is currently a salaried employee and owns shares from Modality.AI. He has no nonfinancial relationships to disclose.
Kotsakis	Magdaline Kotsakis is a master's student at Teachers College, Columbia University and has no relevant financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
Kreidler	Kathryn Kreidler is employed as a research assistant at the University of Texas at Dallas and has no nonfinancial relationship to disclose.
Kriegel	Zoe Kriegel, Ph.D. is an employee of the University of Wyoming. Funding from the Ohio Speech Language Hearing Association was used to support the current proposal. She has no nonfinancial relationships to disclose.

Krishnan	Dr. Krishnan is an employee of the University of Tennessee - Knoxville where she is an Associate Professor. She has no relationships to disclose.
Kuruville-Dugdale	Dr. Mili Kuruville-Dugdale is employed by the University of Iowa as an associate professor and she has no relevant financial or nonfinancial benefit related to this presentation. She receives research support from the National Institutes of Health. She has no nonfinancial relationships to disclose.
Kuschmann	Dr. Kuschmann is employed at University of Strathclyde, Glasgow and she has no relevant financial or nonfinancial benefit related to this presentation to disclose.
Kwon	Dr. Jinuk Kwon is the postdoc researcher at the University of Texas at Austin. His research is focused on algorithm development in silent speech interface and speech brain-computer interface. His research is funded by the National Institutes of Health (R01DC026621, PI: Wang). He has no relevant nonfinancial relationships to disclose.
Lampinen	Linnea Lampinen is a Clinical Psychology PhD student at Rutgers University. She has no relevant financial or nonfinancial relationships to disclose.
Lansford	Dr. Lansford is employed by Florida State University and has received a research grant from the National Institutes of Health. She has no non-financial relationships to disclose.
Larson	Dr. Charles Larson has no relevant financial or nonfinancial disclosures. Elaina Derrick is employed by the Post Acute Medical Rehabilitation Hospital of Kyle. She has no nonfinancial relationships to disclose.
Lau	Dr. Lau is an employee of the University of Tennessee - Knoxville where he is an Assistant Professor. He has no relationships to disclose.
Laue	Cassidy Laue is employed by the University of Wisconsin-Whitewater. There are no nonfinancial relationships to disclose.
Le	Johnathan Le is employed by the University of Utah and is currently a doctoral graduate student on NIH R56HL162699. He has no nonfinancial relationships to disclose.
Leitão	Associate Professor Suze Leitão is employed by Curtin University (Western Australia) and is a supervisor on Laura Nelson's PhD committee. She has no relevant financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Leone-Thide	Andrea Leone-Thide is a doctoral student in the Communicative Sciences and Disorders department at New York University and has no relevant financial or non-financial benefit related to this presentation. She has no non-financial relationships to disclose.
Lester-Smith	Dr. Rosemary A. Lester-Smith is employed by The University of Texas at Austin. Her research is funded by the National Institutes of Health [R21DC017001; R01AG077017-01(PI E. Thomaz)]. She has no relevant nonfinancial relationships to disclose.
Levy	Prof. Erika S. Levy is employed by Teachers College, Columbia University and received a Clinical Research Grant from ASHA. She has no other relevant financial or nonfinancial benefit related to her presentation to disclose.
Lewis	Noelle Lewis was a graduate student at BYU at the time of the study. She has no financial or non-financial relationships to disclose.
Li	Dr. Joanne Jingwen Li is a postdoctoral scholar of Speech and Hearing Sciences at University of Washington. She is employed by University of Washington and has no relevant financial or nonfinancial benefit related to this presentation.
Liberman	Dr. Liberman is employed by University of Pennsylvania. He has no financial nor nonfinancial relationships to disclose.
Lin	Dr. Lifeng Lin is an associate professor in the Department of Epidemiology and Biostatistics at the University of Arizona. His work is supported in part by funding from NIH NIDCD, NLM, and NIMH. Dr. Lin has no conflicts of interest to report.
Lin	Ms Yi Wen Lin is employed by the SAHK, Hong Kong. She has no nonfinancial relationships to disclose.
Liscombe	Dr. Jackson Liscombe is a research scientist at Modality.AI, Inc. and draws salary and owns shares from the company. He has no non-financial relationships to disclose.

Liss	Julie Liss, PhD is employed by Arizona State University and also worked as a secondary principal investigator for this project. No nonfinancial relationships to disclose.
Liston	Ms. Liston has no financial or nonfinancial relationships to disclose.
Littlejohn	Meghan Littlejohn receives funding from a Temple University Fellowship and from NIH R01 DC017768 (PI: Maas). She has no other financial or nonfinancial relationships to disclose.
Long	Dr. Long is employed by the University of Wisconsin Madison with funding support from the Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Center for Advancing Translational Sciences, and the ASH Foundation. She is a volunteer collaborator with CSDisseminate. She has no other financial or nonfinancial relationships to disclose.
Longhurst	Dr. Longhurst is employed by Saint Louis University. He has no nonfinancial relationships to disclose.
Lowit	Prof Anja Lowit is employed by Strathclyde University received a research grant from Ataxia UK and serves on the Ataxia UK Medical Advisory Board. She has no nonfinancial relationships to disclose.
Luan	Yaoxuan Luan is a Ph.D. student in the Department of Computer Science and Software Engineering at Auburn University. He has no nonfinancial relationships to disclose.
Maas	Edwin Maas is employed by Temple University. He is Principal Investigator on the research grant under which these data were collected (R01 DC017768). He serves on the Professional Advisory Council of Apraxia Kids, which assisted with recruitment. He has no other financial or nonfinancial relationships to disclose relevant to this presentation.
MacCallion	Rebecca MacCallion Financial disclosure: Speech Pathologist at Remarkable Speech and Movement Nonfinancial Disclosure: Nothing to disclose
Mach	Dr. Helen Mach received a consultant fee from Dr. Knowles for her involvement in this project.
Maffei	Dr. Maffei is employed by the MGH Institute of Health Professions and is funded by a research fellowship from the NIDCD. MM has no financial or nonfinancial relationships to disclose.
Mahr	Dr. Tristan J. Mahr is employed as a data scientist for the Wisconsin Intelligibility, Speech, and Communication Laboratory at the University of Wisconsin-Madison Waisman Center. He has no nonfinancial relationships to disclose.
Mailend	Dr. Mailend is employed by Moss Rehabilitation Research Institute and the University of Tartu and received a grant from the National Institute on Deafness and Other Communication Disorders. She has no nonfinancial relationships to disclose.
Mancinelli	Dr. Cynthia Mancinelli is employed by KidsInclusive - Centre for Child and Youth Development. She has no financial or non-financial relationships to disclose.
Mancini	Drew Mancini is employed by Children's Hospital of Colorado. He has no nonfinancial relationships to disclose.
Manes	Dr. Manes is employed by Boston University, with salary support provided by NIH grants. She has no nonfinancial relationships to disclose.
Marks	Dr. Katherine Marks received funding from a research grant from the NIH/NIDCD (R01DC015570; PI: Stepp) to support this work. She has no nonfinancial relationships to disclose.
Massimo	Dr. Massimo is employed by the Hospital of Pennsylvania and received a research grant from the National Institute of Health. She has no nonfinancial relationships to disclose.
Mau	Dr. Ted Mau, is employed by UT Southwestern Medical Center. His research has been funded by NIH. He has no relevant nonfinancial relationships to disclose.
Mauszycki	Shannon is employed by the University of Utah and receives salary for conducting research. She has no additional financial or nonfinancial relationships to disclose.
Max	Dr. Ludo Max, Ph.D., is employed by the Department of Speech and Hearing Sciences at the University of Washington and has no relevant financial or nonfinancial benefit related to his presentation He has no nonfinancial relationships to disclose.
McAllister	Tara McAllister receives a salary from New York University and grant funds from the NIDCD. She has no nonfinancial relationships to disclose.

McAuliffe	Dr. McAuliffe is employed by University of Canterbury in Christchurch, New Zealand. She has no financial or nonfinancial relationships to disclose.
McCabe	Dr McCabe is employed by The University of Sydney, has received grant funding from the Australian NHMRC, holds an honorary appointment at Liverpool Hospital in NSW Australia and is an honorary member of both the Apraxia-Kids Professional Advisory Council and the Speech Pathology Australia Professional Standards Advisory Committee. She receives fees from presenting continuing professional development courses in Australia from a range of sources.
McDevitt	David McDevitt is a Master of Artificial Intelligence student in the McCormick School of Engineering at Northwestern University and employed by Northwestern University with funding from the Bill and Melinda Gates Foundation.
McDougle	Dr. McDougle is employed by Yale University and received a research grant from the National Institute of Neurological Disorders and Stroke. He has no nonfinancial relationships to disclose.
McHenry	Monica McHenry is employed by New York Medical College and has no relevant financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
McMillan	Dr. McMillan is employed by University of Pennsylvania and received a research grant from the National Institute of Health. He has no financial nor nonfinancial relationships to disclose.
Meade	Dr. Gabriela Meade is employed by the Mayo Clinic and receives financial support from the NIH.
Meekings	Dr. Sophie Meekings is employed by the University of York, supported by a Royal Society grant awarded to herself, and has no other financial or nonfinancial relationships to disclose.
Mefferd	Antje Mefferd PhD CCC-SLP is an Assistant Professor at Vanderbilt University Medical Center. She receives salary from Vanderbilt University Medical Center, consultation fees from Alterity Therapeutics, and research funding from NIH (R01 DC019648). She has no non-financial disclosures to report.
Miller	Hilary Miller received research grants and travel funding from the National Institutes of Health, the Acoustical Society of America, the ASHFoundation, and Boston University's Hariri Institute. She has no nonfinancial relationships to disclose.
Moya-Gale	Dr. Moya-Gale is employed by Teachers College, Columbia University. She has no non financial relationships to disclose.
Mucke	Prof. Dr. Doris Mücke is a Professor at the Institute of Linguistics, IfL Phonetics Lab, University of Cologne. She has grants from the German Research Foundation (DFG) and the German Academic Exchange Service (DAAD). She has no financial/nonfinancial relationships to disclose.
Murali	Dr. Murali is employed at University of Strathclyde, Glasgow and she has no relevant financial or nonfinancial benefit related to this presentation to disclose.
Murray	Jessica Murray Financial disclosure: Allied Health Assistant and Client Experience Team member at Remarkable Speech and Movement Nonfinancial Disclosure: Nothing to disclose
Murray	Elizabeth Murray Financial disclosure: Research funding from the Once Upon a Time Foundation and NHMRC, Owner and Director of Remarkable Speech and Movement Nonfinancial Disclosure: Honorary Lecturer at the University of Sydney
Naber	Mr. Naber is employed by the University of Wisconsin–Madison. He has no nonfinancial relationships to disclose.
Nagarajan	Dr. Srikantan S. Nagarajan is employed by the University of California, San Francisco and received grants from the National Institute of Neurological Disorders and Stroke and the National Institute on Deafness and Other Communication Disorders. He has no non-financial relationships to disclose.
Nalley	Brian Nalley recently graduated with a master's degree from Utah State University. He has no relevant financial or nonfinancial relationships to disclose.

Napper	Gabrielle Napper is a medical student at University of Tennessee Health Science Center, College of Medicine and has no relevant financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
Narayana	Shalini Narayana is employed by the University of Tennessee Health Science Center, College of Medicine and has no relevant financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
Neel	Amy Neel is employed by the University of New Mexico and received research funds from the UNM Women in Science Seed Grant program and research funding from Sanofi Genzyme. She has no non-financial relationships to disclose.
Nelson	Laura Nelson is a Speech-Language Pathologist working in private practice, employed by Tablelands Speech Pathology. She is a PhD student at Curtin University (Western Australia) and receives a stipend for her studies from the Australian Government Research Training Program. She has no other financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
Neumann	Michael Neumann is a research scientist at Modality.AI, Inc. and draws salary and owns shares from the company. He has no non-financial relationships to disclose.
Nevler	Dr. Nevler is employed by University of Pennsylvania and received a research grant from the US Department of Defense. She has no financial nor nonfinancial relationships to disclose.
Niculae-Caxi	Teodora Niculae-Caxi is employed by Temple University. She receives funding through a research grant from NIDCD (R01 DC017768; PI: Maas). She has no other financial or nonfinancial relationships to disclose relevant to this presentation.
Nieto-Castanon	Dr. Alfonso Nieto-Castanon is employed by Boston University and has no financial or non-financial relationships to disclose.
Nip	Ignatius Nip is employed by San Diego State University and this project was funded NIH-NIDCD (R03 DC012135) and the American Speech-Language-Hearing Foundation. He has no nonfinancial relationships to disclose.
Niziolek	Dr. Niziolek is employed by the University of Wisconsin–Madison and received a research grant from the National Institutes of Deafness and Communication Sciences and Disorders. She has no nonfinancial relationships to disclose.
Nobel	Arabella Nobel: Ms. Nobel has no financial or non-financial disclosures.
Noiray	Dr. Aude Noiray is currently employed by the Université Grenoble-Alpes, and has no financial or nonfinancial relationships to disclose.
Nuss	Roger Nuss: Dr. Nuss receives a salary from Boston Children’s Hospital. He has no non-financial disclosures.
Olm	Dr. Olm is employed by University of Pennsylvania. He has no financial nor nonfinancial relationships to disclose.
Osborne	Lauren Osborne is a Speech Pathologist at Remarkable Speech and Movement and Clinical Supervisor. Nonfinancial Disclosure: Nothing to disclose
Ostry	Professor Ostry is employed by McGill University and Yale University and receives financial support from the National Institute on Deafness and Other Communication Disorders, from the Canadian Institutes of Health Research, and from the Natural Sciences and Engineering Research Council of Canada. He has no financial relationships to disclose.
Page	Dr. Allyson Page is employed by Western University and received research grants from Merz Pharma and the Faculty Research Development Fund. She has no nonfinancial relationships to disclose.
Park	Dr Park is employed by the University of Sydney and works as an independent private practitioner in Sydney Australia. She has no other disclosures.
Parrell	Dr. Parrell is employed by the University of Wisconsin–Madison and received a research grant from the National Institute of Deafness and Communication Sciences and Disorders. He has no nonfinancial relationships to disclose.
Parsapoor	Dr Mahboobeh Parsapoor is employed by University McGill. She has no nonfinancial relationships to disclose.

Patterson	Dr. Charity Patterson is employed by the University of Pittsburgh and receives research support from National Institutes of Health, Patient Centered Outcomes Research Institute, and Department of Defense. She has no nonfinancial relationships to disclose.
Pena	Izabel Pena is currently a graduate student at Arizona State University and has no financial or nonfinancial relationships to disclose.
Perrier	Professor Pascal Perrier is employed by Grenoble INP Institute. He has no nonfinancial relationships to disclose.
Philippone	Maura Philippone is a PhD student at Michigan State University and receives a stipend. She has no nonfinancial relationships to disclose.
Polsterer	Katharina Polsterer is currently employed by the University of Groningen, and has no financial or nonfinancial relationships to disclose.
Pommée	Dr. Timothy Pommée is employed as a post-doctoral researcher by Sunnybrook Research Institute under the supervision of Dr. Yana Yunusova. His work is funded by NIH National Institute on Deafness and Other Communication Disorders (R01DC017291). TP has no financial relationships to disclose.
Pongos	Alvince Pongos receives a stipend from the University of California, San Francisco. He has received the National Science Foundation Graduate Research Fellowship. He has no non-financial relationships to disclose.
Portnova	Alena Portnova is a master's student at Utah State University. She has no relevant financial or nonfinancial relationships to disclose.
Pourmohammadi	Mahsa Pourmohammadi is currently pursuing her second year of graduate studies in Communication Sciences and Disorders at Bowling Green State University. She is employed as a part-time Research Assistant, where she actively contributes to research projects within her field. She does not have any nonfinancial associations or relationships to disclose.
Preciado	Cristian Preciado has an interest in neuroimaging and autism research. He graduated from UC Davis with a degree in Neurobiology, where he did undergraduate research at the Spatial Cognition Lab. He has no nonfinancial relationships to disclose.
Preston	Jonathan Preston receives a salary from Syracuse University and grant funds from the NIDCD. Nonfinancial disclosure: he is the inventor of Speech Motor Chaining and oversees software development for Speech Motor Chaining/ChainingAI.
Provost	Emily Mower Provost is a Professor and Associate Chair for Graduate Affairs in Computer Science and Engineering at the University of Michigan. She received her Ph.D. in Electrical Engineering from the University of Southern California (USC), Los Angeles, CA in 2010. She has been awarded a Toyota Faculty Scholar Award (2020), National Science Foundation CAREER Award (2017), the Oscar Stern Award for Depression Research (2015), a National Science Foundation Graduate Research Fellowship (2004-2007). She is a co-author on the paper, "Say Cheese vs. Smile: Reducing Speech-Related Variability for Facial Emotion Recognition," winner of Best Student Paper at ACM Multimedia, 2014, and a co-author of the winner of the Classifier Sub-Challenge event at the Interspeech 2009 emotion challenge. Her research interests are in human-centered speech and video processing, multimodal interfaces design, and speech-based assistive technology. The goals of her research are motivated by the complexities of the perception and expression of human behavior.
Purell	Professor Alison Purell is employed by the University of Western Sydney. She has no nonfinancial relationships to disclose.
Qiu	Dr. Menyang Qiu is employed as an assistant professor (limited-term) in the Department of Psychology at Trent University and has no relevant financial or nonfinancial benefit related to this presentation. He has no nonfinancial relationships to disclose.
Quinn	Dr. Quinn is employed by the Hospital of Pennsylvania. He has no financial nor nonfinancial relationships to disclose.
Rahario	Dr. Inez Raharjo was employed by the University of California, San Francisco. She is currently a salaried employee and owns shares from Amazon Inc. She has no nonfinancial relationships to disclose.

Raines	Claudia Raines is a PhD student, MS CF-SLP at Vanderbilt University Medical Center. She receives a stipend from Vanderbilt University Medical Center, and research funding from NIH (R01 DC019648). She has no non-financial disclosures to report.
Rajasubramanian	Namita Rajasubramanian, an undergraduate research assistant employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Rakotomalala	Tsiky Rakotomalala is employed by the University Grenoble Alpes. She has no nonfinancial relationships to disclose. This work was funded by the Multidisciplinary Institute in Artificial Intelligence of the Université Grenoble Alpes (MIAI@Grenoble Alpes, ANR-19-P3IA-0003).
Ramanarayanan	Dr. Vikram Ramanarayanan is the Chief Scientific Officer at Modality.AI, Inc. and an Assistant Adjunct Professor at the University of California, San Francisco. He is salaried and owns shares from Modality.AI, and is the recipient of a grant from the National Institutes of Health. He has no non-financial interests to disclose.
Razi	Dr. Adeel Razi is an Associate Professor at the Turner Institute for Brain and Mental Health at the Monash University, Australia. He has no relevant financial or nonfinancial benefit related to this presentation. He has no nonfinancial relationships to disclose.
Rebernik	Teja Rebernik is currently employed by the University of Groningen, and received a research grant from ParkinsonNL to recruit patients for the study. Her doctoral research on the topic of the proposal is funded by prof. dr. Martijn Wieling's research grant from the Dutch Research Council (no. PGW.19.034). She has no other financial or nonfinancial relationships to disclose.
Rebernik	Teja Rebernik is employed by the University of Groningen and by the Netherlands Cancer Institute at the time of data collection and received a grant from Atos Medical (Sweden). She has no other relevant financial or nonfinancial benefit related to his presentation. She has no nonfinancial relationships to disclose.
Redford	Dr. Melissa Redford, Professor and Head of Linguistics, is employed by the University of Oregon and received a research grant from the National Science Foundation relevant to the present work. She has no nonfinancial relationships to disclose.
Reilly	Dr. Kevin Reilly is employed by the University of Tennessee Health Science Center where he is an associate professor. He uses acoustic and physiologic techniques to investigate motor speech disorders in children and adults. He does not have financial relationships relevant to the content of the proposal.
Richardson	Jessica Richardson is employed by the University of New Mexico and received research funds from the UNM Women in Science Seed Grant program. She has also received research support from the National Institutes of Health and the Department of Defense. She has no non-financial relationships to disclose.
Roesler	Dr. Oliver Roesler is a research scientist at Modality.AI, Inc. and owns shares from the company. He has no non-financial relationships to disclose.
Rohl	Ms. Andrea Rohl is a PhD student at the University of Iowa. She receives support as a graduate research assistant through University of Iowa Hospitals and Clinics. She has no relevant financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Rong	Dr. Rong received research grants from the American Speech-Language-Hearing Foundation to support the research in this proposal. She has no nonfinancial relationships to disclose.
Rowe	Dr. Hannah Rowe is employed by Boston University and has no financial or non-financial relationships to disclose.
Ryu	Emily Ryu was a student at Teachers College, Columbia University in New York, NY. She has no financial or nonfinancial relationships to disclose.
Salekin	Asif Salekin receives a salary from Syracuse University and grant funds from the NSF and NIDCD. He has no nonfinancial relationships to disclose.
Salomon	Daniel Salomon is employed by St. Marks Hospital and the University of Utah. He has no additional financial or nonfinancial relationships to disclose.

Saltuklaroglu	Dr. Saltuklaroglu is employed by University of Tennessee Health Science Center (Department of audiology and speech-language pathology). He has no non-financial relationship to disclose.
Samlan	Dr. Robin Samlan, is employed by The University of Arizona. Her research has been funded by NIH. She has no relevant nonfinancial relationships to disclose.
Sarmukadam	Dr. Kimaya Sarmukadam is a salaried Post-doctoral Scholar in the Department of Communication Sciences and Disorders at the University of South Carolina. She has no nonfinancial relationships to disclose.
Sauder	Dr. Sauder is employed by University of Washington and received salary from a research grant from the NIH/NIDCD (R01DC015570) to support this work. She has no nonfinancial relationships to disclose.
Schalling	Professor Erika Schalling is employed by Uppsala University, Sweden including a joint affiliation with Uppsala University Hospital. She is also affiliated to Karolinska Institutet, Sweden. She has no relevant financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Schmitt	Ms. Laura Schmitt is employed by the University of Iowa as a clinical assistant professor and has no relevant financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Schölderle	Theresa Schölderle is employed by the Ludwig-Maximilians-Universität in Munich (Germany), and has no financial or nonfinancial relationships to disclose.
Schwed	Louisa Schwed is employed by the speech biomarker company ki elements GmbH as data scientist.
Seals	Dr. Seals is employed by Auburn University. She has no nonfinancial relationships to disclose.
Seaver	Katie Seaver, MS, CCC-SLP, is a contract based research consultant to MGH-IHP. KS has no nonfinancial relationships to disclose.
Sekeres	Hedwig Sekeres is currently employed by the University of Groningen, and has no financial or nonfinancial relationships to disclose.
Settle	Janine Settle is an alumna of the University of Texas at Dallas and has no financial or nonfinancial relationships to disclose.
Sharma	Dr. Sharma is employed by the University of Utah and is currently a post-doctoral student on NIH R01 DC0168638. As a nonfinancial relationship, she is a member of the International Society for Magnetic Resonance in Medicine and serves as a reviewer for annual medical image analysis conferences (MICCAI-Medical Image Computing and Computer Assisted Intervention and IEEE ISBI- International Symposium on Biomedical Imaging).
Shellikeri	Dr. Shellikeri is employed by University of Pennsylvania and received a research grant from the American Academy of Neurology. She has no nonfinancial relationships to disclose.
Shiller	Dr. Douglas M. Shiller is a professor in the School of Speech-Language Pathology and Audiology at the Université de Montréal. He is employed by Université de Montréal and has no relevant financial or nonfinancial benefit related to this presentation.
Shoulson	Dr. Ira Shoulson is the Chief Medical Officer at Modality.AI, Inc. and draws salary and owns shares from the company. He has no non-financial interests to disclose.
Sim	Dr. Sim is employed by Ewha Womans University Center for Child Development and Disability in Seoul, South Korea. He has no financial or nonfinancial relationships to disclose.
Simmatis	Dr. Leif Simmatis is employed by the University of Toronto and received a research grant as part of a Mitacs Elevate fellowship. Mitacs had no influence on analyses, decision to write, or decision to submit. LS has no other competing interests to disclose.
Slis	Dr. Slis is employed at the University of Wisconsin–Madison. She has no nonfinancial relationships to disclose.
Smith	Amy Smith is a PhD student at University of Strathclyde, Glasgow and she has no relevant financial or nonfinancial benefit related to this presentation to disclose.
Smith	Tyler Smith is employed by the University of New Mexico. He has no non-financial relationships to disclose.

Smith	Alissa Smith is a PhD student at the University of Washington. Her work as a Research Assistant on this project is funded by the National Institute on Deafness and Other Communication Disorders. She has no nonfinancial relationships to disclose.
Sokolov	Sima Sokolov is a graduate student at the University of Washington. She has no nonfinancial relationships to disclose.
Soriano	Jennifer Soriano is employed as a part-time research assistant for the Wisconsin Intelligibility, Speech, and Communication Laboratory at the University of Wisconsin-Madison Waisman Center. She has no nonfinancial relationships to disclose.
Speights	Dr. Speights is employed by Northwestern University, received grants from the Bill and Melinda Gates Foundation and the Northwestern University Neighborhood and Community Relations, and a fellowship award from the National Institutes of Health Artificial Intelligence/Machine Learning Consortium to Advance Health Equity and Research Diversity. She has no non-financial disclosures to declare.
Spencer	Dr. Spencer is employed by the University of Washington and serves on the Practice Guidelines Writing Committee for ANCDs. She has no non-financial relationships to disclose.
Stankova	Stefany Stankova is employed by the University of York, supported by a Royal Society grant awarded to Dr. Sophie Meekings, and has no other financial or nonfinancial relationships to disclose.
Stark	Dr. Stark is employed by the University of Utah and is a post-doctoral student on P50DC19900. She is a member of ASHA SIG3. She has no nonfinancial relationships to disclose.
Stepp	Dr. Cara Stepp, the principal investigator of the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no relevant financial/nonfinancial relationships to disclose.
Steurer	Hanna Steurer is a PhD student at Karolinska Institutet, Sweden, and a speech-language pathologist at Stockholms Sjukhem Foundation, Sweden. She has no relevant financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Stierwalt	Dr. Julie A. G. Stierwalt is employed by the Mayo Clinic and receives financial support from the NIH.
Stipancic	Dr. Kaila Stipancic is employed by the University at Buffalo as an assistant professor and has no relevant financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Stoeckel	Ruth Stoeckel is retired from the Mayo Clinic. She receives a consultant fee through a research grant from NIDCD (R01 DC017768; PI: Maas). She also serves on the Professional Advisory Council of Apraxia Kids. She has no other financial or nonfinancial relationships to disclose relevant to this presentation.
Story	Dr. Story is employed by the University of Arizona and is a consultant on NIH R01 DC016838, and NIH P50DC019900. In addition, he receives royalties from Plural Publishing for the textbook "Foundations of Speech and Hearing". As a nonfinancial relationship, Dr. Story is a member of the board of directors for the National Center for Voice and Speech (NCVS.org).
Strand	Dr. Strand is the developer of DTTC. She has no financial relationships to disclose.
Stuart-Smith	Prof. Stuart-Smith is employed at University of Glasgow and she has no relevant financial or nonfinancial benefit related to this presentation to disclose.
Sukhdev	Nikhil Sukhdev is an intern at Modality.AI, Inc. at the time of writing and owns shares from the company. He has no non-financial relationships to disclose.
Tager-Flusberg	Dr. Tager-Flusberg is employed by Boston University and is funded in part by the NIDCD. She has no relevant financial or nonfinancial relationships to disclose.
Tang	Dr. Tang is employed by the University of Hong Kong and has no relevant financial or nonfinancial benefit related to this presentation. She has no nonfinancial relationships to disclose.
Tarapore	Dr. Phiroz Tarapore is employed by the University of California, San Francisco. He has no nonfinancial relationships to disclose.

Tay	Ms. Ashley Tay was employed by the University of California, San Francisco. She is currently a medical student at UCSD. She has no nonfinancial relationships to disclose.
Taylor	Lauren Taylor is employed at University of Strathclyde, Glasgow and she has no relevant financial or nonfinancial benefit related to this presentation to disclose.
Teplansky	Dr. Kristin Teplansky is a visiting researcher at the University of Texas at Austin. Her research is focused on motor speech disorders due to ALS as well as kinematic pattern in alaryngeal speech. Her research is funded by the National Institutes of Health (R01DC026621, PI: Wang). She has no relevant nonfinancial relationships to disclose.
Terband	Dr. Hayo Terband is employed by the University of Iowa, and has no financial or nonfinancial relationships to disclose.
Teso	Sierra Teso is currently a graduate student at the University of Arizona and has no financial or nonfinancial relationships to disclose.
Theurer	Julie Theurer is employed by Western University and received research grants from Patient-Centered Outcomes Research Institute and Western Strategic Success Seed Grant program. She has no nonfinancial relationships to disclose.
Thies	Dr. Tabea Thies is employed by the University of Cologne as a postdoc and has no relevant financial or non-financial benefit related to this presentation. She has no non-financial relationships to disclose.
Thomas	Dr. Donna Thomas is employed by The University of Sydney (New South Wales, Australia) and is an associate supervisor on Laura Nelson's PhD committee. She receives research funding from The Once Upon a Time Foundation and the National Health and Medical Research Council of the Australian Government. She has no nonfinancial relationships to disclose.
Thompson	Dr. Austin Thompson is employed by the University of Houston as an assistant professor. He has no financial or nonfinancial relationships to disclose.
Thorman	Royne Thorman is employed by the Karolinska Institutet and Danderyd Hospital and has no financial or nonfinancial relationships to disclose.
Tian	Dr. Xing Tian is an associate professor in the Arts and Sciences Division at New York University Shanghai. He is employed by NYU Shanghai and has no relevant financial or nonfinancial benefit related to this presentation.
Tiede	Dr. Tiede is employed by Yale University and receives research support from the National Institute on Deafness and Other Communication Disorders, and National Science Foundation. He has no nonfinancial relationships to disclose.
Tienkamp	Thomas Tienkamp is currently employed by the University of Groningen, and has no financial or nonfinancial relationships to disclose.
Tjaden	Dr. Kris Tjaden is employed by the University at Buffalo as a professor and the Associate Dean for Natural Sciences and Mathematics. She receives research support from the National Institutes of Health. She has no nonfinancial relationships to disclose.
Tomassi	Nicole E. Tomassi, a graduate research assistant employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, and Graduate Program for Neuroscience Boston University has no financial/nonfinancial relationships to disclose.
Tourville	Dr. Jason Tourville is employed by Boston University. His salary is paid by NIH grants that also support the reported research. He has no financial or non-financial relationships to disclose.
Tran	Kelvin Tran is a graduate student at Arizona State University. He has no financial or non-financial relationships to disclose.
Trang	Jonny Trang is employed by the Karolinska Institutet and has no financial or nonfinancial relationships to disclose.
Troger	Dr. Johannes Tröger is employed by the speech biomarker company ki elements GmbH as Chief Scientific Officer. JT also holds shares of ki elements GmbH.
Tsilingaridis	Georgios Tsilingaridis employed by the Karolinska Institutet and the Center of Pediatric Oral Health and has no financial or nonfinancial relationships to disclose.

Tuguinay	Caesar Tuguinay is an undergraduate student at the University of Washington. He has no nonfinancial relationships to disclose.
Turashvili	Dea Turashvili, an undergraduate research assistant employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Uffer	Joshua Uffer is employed by the University of New Mexico. He has no non-financial relationships to disclose.
Utianski	Dr. Rene L. Utianski is employed by the Mayo Clinic and receives financial support from the NIH.
Vaghela	Snehi Vaghela is a student volunteer University of Tennessee Health Science Center and has no relevant financial or nonfinancial benefit related to her presentation. She has no nonfinancial relationships to disclose.
Valentine	Hannah Valentine is a doctoral student at New York University and receives a fellowship stipend. She also has research funding from an Apraxia Kids grant.
Van Brenk	Dr. Frits van Brenk is employed by Utrecht University as lecturer and has no relevant financial or nonfinancial benefit related to this presentation. He has no nonfinancial relationships to disclose.
Van Doornik	Anniek van Doornik, MSc is employed at HU University of applied Sciences and is a PhD student at Utrecht University. This research was funded by HU University of Applied Sciences, Utrecht, grant number DHR\PD-MP\2015-1300-1299-1303. She has no financial or nonfinancial relationships to disclose.
Van Son	Dr. Rob van Son is employed by the Netherlands Cancer Institute and received a grant from Atos Medical (Sweden). He has no nonfinancial benefit related to his presentation. He has no nonfinancial relationships to disclose.
Velleman	Dr. Shelley Velleman in an Emerita Professor of the University of Vermont. She is one of the Co-Investigators of the research grant provided by the Hong Kong SAR Government, which supports this study. She has no nonfinancial relationships to disclose.
Vente	Blake Vente is a master's student at Columbia University and employed by Amazon Audible. He has no relevant financial or nonfinancial benefit related to his presentation. He has no nonfinancial relationships to disclose.
Volk	Kalei Volk is an undergraduate student at Boston University, and she has no financial or nonfinancial relationships to disclose.
Vuolo	Janet Vuolo receives a salary from Ohio State University as an assistant professor. This project was supported in part by an Advancing Academic-Research Careers award from ASHA. She has no nonfinancial relationships to disclose.
Wambaugh	Julie Wambaugh is employed by the University of Utah and receives salary for conducting research. She has no additional financial or nonfinancial relationships to disclose.
Wang	Dr. Jun Wang is employed by The University of Texas at Austin. His research is funded by the National Institute of Health (R01DC026621, PI: Wang). He has no relevant nonfinancial relationships to disclose.
Wang	Emily W. Wang received an Apraxia Kids Doctoral Student Grant. She has no non-financial relationships to disclose.
Wang	Hantao Wang is a PhD candidate in the Department of Speech and Hearing Sciences at the University of Washington and has no relevant financial or nonfinancial benefit related to his presentation. He has no nonfinancial relationships to disclose.
Weerathunge	Hasini Weerathunge, a graduate research assistant employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Whalen	Dr. Whalen is employed by City University of New York and Yale University and receives research support from the National Institute on Deafness and Other Communication Disorders. He has no nonfinancial relationships to disclose.
Whelan	Dr. Brooke Mai Whelan is employed by the University of Queensland as a lecturer in Speech Pathology. She has no relevant financial or non-financial benefit related to this presentation. She has no non-financial relationships to disclose.

Whitfield	Jason Whitfield, Ph.D., is employed by Bowling Green State University and received an internal research grant from Bowling Green State University. He has no nonfinancial relationships to disclose.
Whitwell	Dr. Jennifer L. Whitwell is employed by the Mayo Clinic and receives financial support from the NIH.
Wieling	Prof. dr. Martijn Wieling is currently employed by the University of Groningen, and received research grants from the Dutch Research Council (no. 019.2011.3.110.016, 016.144.049 and PGW.19.034). He has no financial or nonfinancial relationships to disclose.
Wieling	Prof. dr. Martijn Wieling is currently employed by the University of Groningen and has no relevant financial or nonfinancial benefit related to his presentation. He has no nonfinancial relationships to disclose.
Wiggins	Dr. Richard Wiggins is employed by the University of Utah and is funded by the NIDCD on R01 DC0168638. As a nonfinancial relationship, Dr. Wiggins is a member of the American College of Radiology and the American Society of Neuroradiology.
Williams	Alyssa Williams, an undergraduate research assistant employed by the Stepp Lab for Sensorimotor Rehabilitation Engineering, Department of Speech, Language, and Hearing Sciences, Boston University has no financial/nonfinancial relationships to disclose.
Wisler	Dr. Alan Wisler is employed by Utah State University as an assistant professor and his research is supported by a grant from the American Speech-Language-and-Hearing Foundation. He has no nonfinancial relationships to disclose.
Witjes	Prof. dr. Max Witjes is employed by the University Medical Centre Groningen and has no relevant financial or nonfinancial benefit related to his presentation. He has no nonfinancial relationships to disclose.
Wong	Mr Eddy Wong is a PhD student studying at the The Hong Kong Polytechnic University. He is one of the Co-Investigators of the research grant provided by the Hong Kong SAR Government, which supports this study. He has no nonfinancial relationships to disclose.
Wong	Ms. Louise Wong is employed by the Hong Kong Polytechnic University. She has no financial and nonfinancial relationships to disclose.
Wong	Dr. Min Ney Wong is employed by the The Hong Kong Polytechnic University. She received a research grant from the Faculty of Humanities, The Hong Kong Polytechnic University to conduct this study, She has no nonfinancial relationships to disclose. The manuscript for this study has been submitted for publication in the Journal of Speech, Language and Hearing Research and is currently under revision.
Wright	Joshua Wright is employed by Duke University School of Medicine. He has no non-financial relationships to disclose.
Wu	Jingwei Wu is employed by Temple University. He is Co-Investigator on a research grant from NIDCD (R01 DC017768; PI: Maas). He has no other financial or nonfinancial relationships to disclose relevant to this presentation.
Wynn	Dr. Camille Wynn is employed by the University of Houston as an assistant professor. She has no nonfinancial relationships to disclose.
Xing	Dr Xing is employed by Strathclyde University, and works as a researcher on the project. She has no nonfinancial relationships to disclose.
Xu	Lingfeng Xu is a PhD candidate in Computer Science at Arizona State University. His research interests focus on interpretable Deep Learning, natural language processing, and the use of speech-based methodologies for assessing cognitive decline. He has no relevant financial or nonfinancial relationships to disclose.
Yawer	Batul Yawer is employed by Arizona State University and completed this project as her thesis for the Master's in Auditory and Language Neuroscience. No nonfinancial relationships to disclose.
Yoho Leopold	Dr. Sarah Yoho Leopold is employed by The Ohio State University as a research scientist and she receives funding from NIH NIDCD. She has no nonfinancial relationships to disclose.
Young	Dr. Young is employed at University of Strathclyde, Glasgow and he has no relevant financial or nonfinancial benefit related to this presentation to disclose.

Yunusova	Dr. Yunusova is employed by the University of Toronto. She has received a research grant from the National Institutes of Health (grant number: R01DC017291). She has no nonfinancial relationships to disclose.
Zeng	Dr. Zeng is employed by the University of Wisconsin–Madison. She has no nonfinancial relationships to disclose.
Zhang	Ms. Cathy Zhang is a summer intern at Modality.AI, Inc. and owns shares from the company. She has no non-financial relationships to disclose.
Zhang	Ms Jennifer Zhang is an honours student at the University of Sydney and has no disclosures.
Zhao	Dr. Yunxin Zhao is employed by the University of Missouri as a professor and she has no relevant financial or nonfinancial benefit related to this presentation. She receives research support from the National Institutes of Health. She has no nonfinancial relationships to disclose.
Zinman	Dr Lorne Zinman, MD, MSc, FRCPC, is employed by the Department of Medicine, Sunnybrook Health Sciences Centre, University of Toronto and has received research support from ALS Society of Canada, Garfield Weston Foundation, Canadian Institute of Health Research, Biogen Idec, Cytokinetics and Glaxo Smith Kline the, the NIH and the University of Toronto. LZ has no nonfinancial relationships to disclose.
Zuk	Jennifer Zuk is employed by Boston University and has no nonfinancial relationships to disclose.