Women, Gender Minorities, and Allies in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Tanvi Thakkar

Affiliation University of Wisconsin-Madison

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Session Description Women are categorically underrepresented in Science, Technology, Engineering, and Math (STEM) careers. Underrepresentation is particularly problematic for early career women scientists who must navigate career advancement while facing gender-related stereotypes, unconscious biases, and social pressures that their male counterparts do not experience. The Association for Research in Otolaryngology (ARO) community currently lacks resources for women and gender minority members to form a united group. This symposium aims to provide a safe space for women, gender minorities, and male allies to come together to learn about systemic gender-related barriers in science and academia. The symposium will also serve as a platform for early career women in the otolaryngology field to showcase their research programs. As such, the goal of this event will be two-fold: (1) to inform the ARO community about gender-based biases in the sciences and (2) to elevate the work of a few inspiring early-career women in our field. The symposium will host two keynote speakers from psychology, Dr. Grace Deason and Dr. Erica Srinivasan, who will provide their expert perspectives on women in science. They will be joined by four early-career women from the otolaryngology field who will showcase their own research programs, Dr. Kirupa Suthakar, Dr. Melissa Polonenko, Dr. Mishaela DiNino, and Dr. Maureen Shader. The symposium broadly appeals to the ARO community by fostering inclusivity, diversity, and intersectionality as it relates to women, gender minorities, and male allies in science and academia.

Presenter Diversity Speakers are a geographically, age, race/ethnicity, and experience diverse

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Signature Tanvi Thakkar

Women, Gender Minorities, and Allies in Science

From Barriers to Opportunities: How Stereotypes Shape Women's Experiences in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Grace Deason

Affiliation Psychology Department, University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Women are stereotypically emotional and communal, whereas scientific careers are associated with objectivity and isolation. Psychological research demonstrates that this mismatch between a group stereotype and a social role leads to prejudice and can undermine women's interest and motivation. Barriers for Black and Latina women in science are greater than those faced by their white and Asian counterparts. Fortunately, studies have also begun to explore methods for minimizing the mismatch and mitigating bias. This talk will review psychological research on the effects of gender stereotypes in science and go beyond individual-level remedies to articulate creative institutional strategies for change.

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* Presenting Author

First Name	Last Name	Affiliation
Grace *	Deason *	Psychology Department, University of Wisconsin – La Crosse

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Signature Grace Deason

Women, Gender Minorities, and Allies in Science

Fine Tuning Auditory Processing at the periphery: What Do We Gain from Feedback circuitry?

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Kirupa Suthakar

Affiliation NIH/NIDCD

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The ability to distinguish signal from noise is a fundamental feature of sensory processing. Our auditory systems are constantly bombarded with sounds of varying meaning and relevance. An accurate perception of our environment thus depends on the ability to correctly identify and contextually filter incoming sounds, resulting in an appropriate response, both perceptually and behaviorally. My research focuses on the mechanisms underlying gain control in normal hearing, congenital hearing loss and noise induced cochlear synaptopathy, broadly focusing on the two-way stream of information between the brain and ear via the primary afferent neurons and olivocochlear efferent pathways.

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* Presenting Author

First Name	Last Name	Affiliation
Kirupa *	Suthakar *	NIH/NIDCD

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Signature Kirupa Suthakar

Women, Gender Minorities, and Allies in Science

Neural Contributions to Auditory Perception across the Lifespan

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Mishaela DiNino

Affiliation University of Buffalo

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Auditory neuronal structure and function change across the lifespan, influencing perception of sound from birth to older adulthood. My program of research examines how those natural lifespan alterations interact with hearing loss and use of auditory prostheses to further affect auditory perception. I primarily focus on how these mechanisms contribute to speech perception - a process that is the cornerstone of human verbal communication but that is greatly impacted by variations in auditory system function. In this talk, I will describe investigations of the interplay between normal lifespan changes and auditory perceptual impairments on processes important for speech sound perception.

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Mishaela *	DiNino *	University of Buffalo

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Signature Mishaela DiNino

Women, Gender Minorities, and Allies in Science

Assessing Auditory Neurodevelopment in Children with Normal Hearing and Hearing Loss

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Melissa Polonenko

Affiliation University of Minnesota

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The human brain remarkably and flexibly uses a wide range of sensory inputs. While this flexibility enables a person to adapt to the environment, it also leaves them vulnerable to sensory loss, particularly during sensitive developmental periods. My research program investigates how young children with normal and impaired hearing learn to communicate and navigate within their world. This translational work includes developing new ways to assess multi-sensory function and to evaluate outcomes with hearing aids and cochlear implants. This talk will highlight recent and upcoming work that uses a variety of stimuli and techniques to promote hearing health in children.

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Melissa *	Polonenko *	University of Minnesota

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Signature Melissa Polonenko

Women, Gender Minorities, and Allies in Science

Naturalistic Speech Processing in the Adult Auditory Cortex Immediately after Cochlear Implantation

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Maureen Shader

Affiliation Purdue University

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract In the human brain, functional changes can occur due to sensory deprivation. These changes could impair sensory processing following the reintroduction of sensory input, as in the case of cochlear implantation. This talk will present a study using a light-based neuroimaging method to investigate brain activity to naturalistic speech stimuli immediately after cochlear-implant activation. Methodological and analysis considerations will also be summarized which aim to improve the reliability of optical neuroimaging measurements on the individual-subject level. By maximizing its reliability, neuroimaging experiments have the potential to reveal individual differences in cortical processing that contribute to the variability in cochlear-implant outcomes.

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* Presenting Author

First Name	Last Name	Affiliation
Maureen *	Shader *	Purdue University

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Signature Maureen Shader

Women, Gender Minorities, and Allies in Science

Gender Discrimination and Gender Stereotypes: Exploring the Impact on Women in Academia

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Erica Srinivasan

Affiliation University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Historically, women have faced major gender discrimination in academia, resulting in structural inequities such as underrepresentation in the sciences, gender disparities in high-status positions, gaps in attaining tenure and promotion, salary gaps, invisible labor, and unequal division of service work. The pandemic further exacerbated these issues, particularly among women caregivers. In this session, we will discuss some steps taken in an academic institution during the pandemic to address structural inequities. Additionally, we'll explore internalized gender stereotypes, ways in which they might impact both student and faculty experiences, and ways to build support.

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Erica *	Srinivasan *	University of Wisconsin – La Crosse

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Signature Erica Srinivasan

Women, Gender Minorities, and Allies in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Tanvi Thakkar

Affiliation University of Wisconsin-Madison

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Session Description Women are categorically underrepresented in Science, Technology, Engineering, and Math (STEM) careers. Underrepresentation is particularly problematic for early career women scientists who must navigate career advancement while facing gender-related stereotypes, unconscious biases, and social pressures that their male counterparts do not experience. The Association for Research in Otolaryngology (ARO) community currently lacks resources for women and gender minority members to form a united group. This symposium aims to provide a safe space for women, gender minorities, and male allies to come together to learn about systemic gender-related barriers in science and academia. The symposium will also serve as a platform for early career women in the otolaryngology field to showcase their research programs. As such, the goal of this event will be two-fold: (1) to inform the ARO community about gender-based biases in the sciences and (2) to elevate the work of a few inspiring early-career women in our field. The symposium will host two keynote speakers from psychology, Dr. Grace Deason and Dr. Erica Srinivasan, who will provide their expert perspectives on women in science. They will be joined by four early-career women from the otolaryngology field who will showcase their own research programs, Dr. Kirupa Suthakar, Dr. Melissa Polonenko, Dr. Mishaela DiNino, and Dr. Maureen Shader. The symposium broadly appeals to the ARO community by fostering inclusivity, diversity, and intersectionality as it relates to women, gender minorities, and male allies in science and academia.

Presenter Diversity Speakers are a geographically, age, race/ethnicity, and experience diverse

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Signature Tanvi Thakkar

Women, Gender Minorities, and Allies in Science

From Barriers to Opportunities: How Stereotypes Shape Women's Experiences in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Grace Deason

Affiliation Psychology Department, University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Women are stereotypically emotional and communal, whereas scientific careers are associated with objectivity and isolation. Psychological research demonstrates that this mismatch between a group stereotype and a social role leads to prejudice and can undermine women's interest and motivation. Barriers for Black and Latina women in science are greater than those faced by their white and Asian counterparts. Fortunately, studies have also begun to explore methods for minimizing the mismatch and mitigating bias. This talk will review psychological research on the effects of gender stereotypes in science and go beyond individual-level remedies to articulate creative institutional strategies for change.

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* Presenting Author

First Name	Last Name	Affiliation
Grace *	Deason *	Psychology Department, University of Wisconsin – La Crosse

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Signature Grace Deason

Women, Gender Minorities, and Allies in Science

Fine Tuning Auditory Processing at the periphery: What Do We Gain from Feedback circuitry?

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Kirupa Suthakar

Affiliation NIH/NIDCD

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The ability to distinguish signal from noise is a fundamental feature of sensory processing. Our auditory systems are constantly bombarded with sounds of varying meaning and relevance. An accurate perception of our environment thus depends on the ability to correctly identify and contextually filter incoming sounds, resulting in an appropriate response, both perceptually and behaviorally. My research focuses on the mechanisms underlying gain control in normal hearing, congenital hearing loss and noise induced cochlear synaptopathy, broadly focusing on the two-way stream of information between the brain and ear via the primary afferent neurons and olivocochlear efferent pathways.

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Kirupa *	Suthakar *	NIH/NIDCD

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Signature Kirupa Suthakar

Women, Gender Minorities, and Allies in Science

Neural Contributions to Auditory Perception across the Lifespan

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Mishaela DiNino

Affiliation University of Buffalo

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Auditory neuronal structure and function change across the lifespan, influencing perception of sound from birth to older adulthood. My program of research examines how those natural lifespan alterations interact with hearing loss and use of auditory prostheses to further affect auditory perception. I primarily focus on how these mechanisms contribute to speech perception - a process that is the cornerstone of human verbal communication but that is greatly impacted by variations in auditory system function. In this talk, I will describe investigations of the interplay between normal lifespan changes and auditory perceptual impairments on processes important for speech sound perception.

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First Name	Last Name	Affiliation
Mishaela *	DiNino *	University of Buffalo

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Signature Mishaela DiNino

Women, Gender Minorities, and Allies in Science

Assessing Auditory Neurodevelopment in Children with Normal Hearing and Hearing Loss

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Melissa Polonenko

Affiliation University of Minnesota

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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Melissa *	Polonenko *	University of Minnesota

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Signature Melissa Polonenko

Women, Gender Minorities, and Allies in Science

Naturalistic Speech Processing in the Adult Auditory Cortex Immediately after Cochlear Implantation

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Maureen Shader

Affiliation Purdue University

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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First Name	Last Name	Affiliation
Maureen *	Shader *	Purdue University

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Signature Maureen Shader

Women, Gender Minorities, and Allies in Science

Gender Discrimination and Gender Stereotypes: Exploring the Impact on Women in Academia

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Erica Srinivasan

Affiliation University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Historically, women have faced major gender discrimination in academia, resulting in structural inequities such as underrepresentation in the sciences, gender disparities in high-status positions, gaps in attaining tenure and promotion, salary gaps, invisible labor, and unequal division of service work. The pandemic further exacerbated these issues, particularly among women caregivers. In this session, we will discuss some steps taken in an academic institution during the pandemic to address structural inequities. Additionally, we'll explore internalized gender stereotypes, ways in which they might impact both student and faculty experiences, and ways to build support.

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* Presenting Author

First Name	Last Name	Affiliation
Erica *	Srinivasan *	University of Wisconsin – La Crosse

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Signature Erica Srinivasan

Women, Gender Minorities, and Allies in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Tanvi Thakkar

Affiliation University of Wisconsin-Madison

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Session Description Women are categorically underrepresented in Science, Technology, Engineering, and Math (STEM) careers. Underrepresentation is particularly problematic for early career women scientists who must navigate career advancement while facing gender-related stereotypes, unconscious biases, and social pressures that their male counterparts do not experience. The Association for Research in Otolaryngology (ARO) community currently lacks resources for women and gender minority members to form a united group. This symposium aims to provide a safe space for women, gender minorities, and male allies to come together to learn about systemic gender-related barriers in science and academia. The symposium will also serve as a platform for early career women in the otolaryngology field to showcase their research programs. As such, the goal of this event will be two-fold: (1) to inform the ARO community about gender-based biases in the sciences and (2) to elevate the work of a few inspiring early-career women in our field. The symposium will host two keynote speakers from psychology, Dr. Grace Deason and Dr. Erica Srinivasan, who will provide their expert perspectives on women in science. They will be joined by four early-career women from the otolaryngology field who will showcase their own research programs, Dr. Kirupa Suthakar, Dr. Melissa Polonenko, Dr. Mishaela DiNino, and Dr. Maureen Shader. The symposium broadly appeals to the ARO community by fostering inclusivity, diversity, and intersectionality as it relates to women, gender minorities, and male allies in science and academia.

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Signature Tanvi Thakkar

Women, Gender Minorities, and Allies in Science

From Barriers to Opportunities: How Stereotypes Shape Women's Experiences in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Grace Deason

Affiliation Psychology Department, University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Women are stereotypically emotional and communal, whereas scientific careers are associated with objectivity and isolation. Psychological research demonstrates that this mismatch between a group stereotype and a social role leads to prejudice and can undermine women's interest and motivation. Barriers for Black and Latina women in science are greater than those faced by their white and Asian counterparts. Fortunately, studies have also begun to explore methods for minimizing the mismatch and mitigating bias. This talk will review psychological research on the effects of gender stereotypes in science and go beyond individual-level remedies to articulate creative institutional strategies for change.

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* Presenting Author

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Grace *	Deason *	Psychology Department, University of Wisconsin – La Crosse

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Signature Grace Deason

Women, Gender Minorities, and Allies in Science

Fine Tuning Auditory Processing at the periphery: What Do We Gain from Feedback circuitry?

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Kirupa Suthakar

Affiliation NIH/NIDCD

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The ability to distinguish signal from noise is a fundamental feature of sensory processing. Our auditory systems are constantly bombarded with sounds of varying meaning and relevance. An accurate perception of our environment thus depends on the ability to correctly identify and contextually filter incoming sounds, resulting in an appropriate response, both perceptually and behaviorally. My research focuses on the mechanisms underlying gain control in normal hearing, congenital hearing loss and noise induced cochlear synaptopathy, broadly focusing on the two-way stream of information between the brain and ear via the primary afferent neurons and olivocochlear efferent pathways.

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* Presenting Author

First Name	Last Name	Affiliation
Kirupa *	Suthakar *	NIH/NIDCD

In-Person Participation I intend to participate in the MidWinter Meeting in-person for the entirety of the scheduled meeting.

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Signature Kirupa Suthakar

Women, Gender Minorities, and Allies in Science

Neural Contributions to Auditory Perception across the Lifespan

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Mishaela DiNino

Affiliation University of Buffalo

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Auditory neuronal structure and function change across the lifespan, influencing perception of sound from birth to older adulthood. My program of research examines how those natural lifespan alterations interact with hearing loss and use of auditory prostheses to further affect auditory perception. I primarily focus on how these mechanisms contribute to speech perception - a process that is the cornerstone of human verbal communication but that is greatly impacted by variations in auditory system function. In this talk, I will describe investigations of the interplay between normal lifespan changes and auditory perceptual impairments on processes important for speech sound perception.

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* Presenting Author

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Mishaela *	DiNino *	University of Buffalo

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Signature Mishaela DiNino

Women, Gender Minorities, and Allies in Science

Assessing Auditory Neurodevelopment in Children with Normal Hearing and Hearing Loss

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Melissa Polonenko

Affiliation University of Minnesota

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The human brain remarkably and flexibly uses a wide range of sensory inputs. While this flexibility enables a person to adapt to the environment, it also leaves them vulnerable to sensory loss, particularly during sensitive developmental periods. My research program investigates how young children with normal and impaired hearing learn to communicate and navigate within their world. This translational work includes developing new ways to assess multi-sensory function and to evaluate outcomes with hearing aids and cochlear implants. This talk will highlight recent and upcoming work that uses a variety of stimuli and techniques to promote hearing health in children.

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Melissa *	Polonenko *	University of Minnesota

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Signature Melissa Polonenko

Women, Gender Minorities, and Allies in Science

Naturalistic Speech Processing in the Adult Auditory Cortex Immediately after Cochlear Implantation

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Maureen Shader

Affiliation Purdue University

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract In the human brain, functional changes can occur due to sensory deprivation. These changes could impair sensory processing following the reintroduction of sensory input, as in the case of cochlear implantation. This talk will present a study using a light-based neuroimaging method to investigate brain activity to naturalistic speech stimuli immediately after cochlear-implant activation. Methodological and analysis considerations will also be summarized which aim to improve the reliability of optical neuroimaging measurements on the individual-subject level. By maximizing its reliability, neuroimaging experiments have the potential to reveal individual differences in cortical processing that contribute to the variability in cochlear-implant outcomes.

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First Name	Last Name	Affiliation
Maureen *	Shader *	Purdue University

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Signature Maureen Shader

Women, Gender Minorities, and Allies in Science

Gender Discrimination and Gender Stereotypes: Exploring the Impact on Women in Academia

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Erica Srinivasan

Affiliation University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Historically, women have faced major gender discrimination in academia, resulting in structural inequities such as underrepresentation in the sciences, gender disparities in high-status positions, gaps in attaining tenure and promotion, salary gaps, invisible labor, and unequal division of service work. The pandemic further exacerbated these issues, particularly among women caregivers. In this session, we will discuss some steps taken in an academic institution during the pandemic to address structural inequities. Additionally, we'll explore internalized gender stereotypes, ways in which they might impact both student and faculty experiences, and ways to build support.

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Erica *	Srinivasan *	University of Wisconsin – La Crosse

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Signature Erica Srinivasan

Women, Gender Minorities, and Allies in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Tanvi Thakkar

Affiliation University of Wisconsin-Madison

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Session Description Women are categorically underrepresented in Science, Technology, Engineering, and Math (STEM) careers. Underrepresentation is particularly problematic for early career women scientists who must navigate career advancement while facing gender-related stereotypes, unconscious biases, and social pressures that their male counterparts do not experience. The Association for Research in Otolaryngology (ARO) community currently lacks resources for women and gender minority members to form a united group. This symposium aims to provide a safe space for women, gender minorities, and male allies to come together to learn about systemic gender-related barriers in science and academia. The symposium will also serve as a platform for early career women in the otolaryngology field to showcase their research programs. As such, the goal of this event will be two-fold: (1) to inform the ARO community about gender-based biases in the sciences and (2) to elevate the work of a few inspiring early-career women in our field. The symposium will host two keynote speakers from psychology, Dr. Grace Deason and Dr. Erica Srinivasan, who will provide their expert perspectives on women in science. They will be joined by four early-career women from the otolaryngology field who will showcase their own research programs, Dr. Kirupa Suthakar, Dr. Melissa Polonenko, Dr. Mishaela DiNino, and Dr. Maureen Shader. The symposium broadly appeals to the ARO community by fostering inclusivity, diversity, and intersectionality as it relates to women, gender minorities, and male allies in science and academia.

Presenter Diversity Speakers are a geographically, age, race/ethnicity, and experience diverse

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Signature Tanvi Thakkar

Women, Gender Minorities, and Allies in Science

From Barriers to Opportunities: How Stereotypes Shape Women's Experiences in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Grace Deason

Affiliation Psychology Department, University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Women are stereotypically emotional and communal, whereas scientific careers are associated with objectivity and isolation. Psychological research demonstrates that this mismatch between a group stereotype and a social role leads to prejudice and can undermine women's interest and motivation. Barriers for Black and Latina women in science are greater than those faced by their white and Asian counterparts. Fortunately, studies have also begun to explore methods for minimizing the mismatch and mitigating bias. This talk will review psychological research on the effects of gender stereotypes in science and go beyond individual-level remedies to articulate creative institutional strategies for change.

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* Presenting Author

First Name	Last Name	Affiliation
Grace *	Deason *	Psychology Department, University of Wisconsin – La Crosse

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weeks or 14 days.

Signature Grace Deason

Women, Gender Minorities, and Allies in Science

Fine Tuning Auditory Processing at the periphery: What Do We Gain from Feedback circuitry?

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Kirupa Suthakar

Affiliation NIH/NIDCD

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The ability to distinguish signal from noise is a fundamental feature of sensory processing. Our auditory systems are constantly bombarded with sounds of varying meaning and relevance. An accurate perception of our environment thus depends on the ability to correctly identify and contextually filter incoming sounds, resulting in an appropriate response, both perceptually and behaviorally. My research focuses on the mechanisms underlying gain control in normal hearing, congenital hearing loss and noise induced cochlear synaptopathy, broadly focusing on the two-way stream of information between the brain and ear via the primary afferent neurons and olivocochlear efferent pathways.

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Kirupa *	Suthakar *	NIH/NIDCD

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Signature Kirupa Suthakar

Women, Gender Minorities, and Allies in Science

Neural Contributions to Auditory Perception across the Lifespan

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Mishaela DiNino

Affiliation University of Buffalo

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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* Presenting Author

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Mishaela *	DiNino *	University of Buffalo

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Signature Mishaela DiNino

Women, Gender Minorities, and Allies in Science

Assessing Auditory Neurodevelopment in Children with Normal Hearing and Hearing Loss

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Melissa Polonenko

Affiliation University of Minnesota

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The human brain remarkably and flexibly uses a wide range of sensory inputs. While this flexibility enables a person to adapt to the environment, it also leaves them vulnerable to sensory loss, particularly during sensitive developmental periods. My research program investigates how young children with normal and impaired hearing learn to communicate and navigate within their world. This translational work includes developing new ways to assess multi-sensory function and to evaluate outcomes with hearing aids and cochlear implants. This talk will highlight recent and upcoming work that uses a variety of stimuli and techniques to promote hearing health in children.

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Melissa *	Polonenko *	University of Minnesota

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Signature Melissa Polonenko

Women, Gender Minorities, and Allies in Science

Naturalistic Speech Processing in the Adult Auditory Cortex Immediately after Cochlear Implantation

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Maureen Shader

Affiliation Purdue University

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract In the human brain, functional changes can occur due to sensory deprivation. These changes could impair sensory processing following the reintroduction of sensory input, as in the case of cochlear implantation. This talk will present a study using a light-based neuroimaging method to investigate brain activity to naturalistic speech stimuli immediately after cochlear-implant activation. Methodological and analysis considerations will also be summarized which aim to improve the reliability of optical neuroimaging measurements on the individual-subject level. By maximizing its reliability, neuroimaging experiments have the potential to reveal individual differences in cortical processing that contribute to the variability in cochlear-implant outcomes.

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Maureen *	Shader *	Purdue University

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Signature Maureen Shader

Women, Gender Minorities, and Allies in Science

Gender Discrimination and Gender Stereotypes: Exploring the Impact on Women in Academia

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Erica Srinivasan

Affiliation University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Historically, women have faced major gender discrimination in academia, resulting in structural inequities such as underrepresentation in the sciences, gender disparities in high-status positions, gaps in attaining tenure and promotion, salary gaps, invisible labor, and unequal division of service work. The pandemic further exacerbated these issues, particularly among women caregivers. In this session, we will discuss some steps taken in an academic institution during the pandemic to address structural inequities. Additionally, we'll explore internalized gender stereotypes, ways in which they might impact both student and faculty experiences, and ways to build support.

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Erica *	Srinivasan *	University of Wisconsin – La Crosse

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Signature Erica Srinivasan

Women, Gender Minorities, and Allies in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Tanvi Thakkar

Affiliation University of Wisconsin-Madison

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Session Description Women are categorically underrepresented in Science, Technology, Engineering, and Math (STEM) careers. Underrepresentation is particularly problematic for early career women scientists who must navigate career advancement while facing gender-related stereotypes, unconscious biases, and social pressures that their male counterparts do not experience. The Association for Research in Otolaryngology (ARO) community currently lacks resources for women and gender minority members to form a united group. This symposium aims to provide a safe space for women, gender minorities, and male allies to come together to learn about systemic gender-related barriers in science and academia. The symposium will also serve as a platform for early career women in the otolaryngology field to showcase their research programs. As such, the goal of this event will be two-fold: (1) to inform the ARO community about gender-based biases in the sciences and (2) to elevate the work of a few inspiring early-career women in our field. The symposium will host two keynote speakers from psychology, Dr. Grace Deason and Dr. Erica Srinivasan, who will provide their expert perspectives on women in science. They will be joined by four early-career women from the otolaryngology field who will showcase their own research programs, Dr. Kirupa Suthakar, Dr. Melissa Polonenko, Dr. Mishaela DiNino, and Dr. Maureen Shader. The symposium broadly appeals to the ARO community by fostering inclusivity, diversity, and intersectionality as it relates to women, gender minorities, and male allies in science and academia.

Presenter Diversity Speakers are a geographically, age, race/ethnicity, and experience diverse

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Signature Tanvi Thakkar

Women, Gender Minorities, and Allies in Science

From Barriers to Opportunities: How Stereotypes Shape Women's Experiences in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Grace Deason

Affiliation Psychology Department, University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Women are stereotypically emotional and communal, whereas scientific careers are associated with objectivity and isolation. Psychological research demonstrates that this mismatch between a group stereotype and a social role leads to prejudice and can undermine women's interest and motivation. Barriers for Black and Latina women in science are greater than those faced by their white and Asian counterparts. Fortunately, studies have also begun to explore methods for minimizing the mismatch and mitigating bias. This talk will review psychological research on the effects of gender stereotypes in science and go beyond individual-level remedies to articulate creative institutional strategies for change.

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* Presenting Author

First Name	Last Name	Affiliation
Grace *	Deason *	Psychology Department, University of Wisconsin – La Crosse

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Signature Grace Deason

Women, Gender Minorities, and Allies in Science

Fine Tuning Auditory Processing at the periphery: What Do We Gain from Feedback circuitry?

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Kirupa Suthakar

Affiliation NIH/NIDCD

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The ability to distinguish signal from noise is a fundamental feature of sensory processing. Our auditory systems are constantly bombarded with sounds of varying meaning and relevance. An accurate perception of our environment thus depends on the ability to correctly identify and contextually filter incoming sounds, resulting in an appropriate response, both perceptually and behaviorally. My research focuses on the mechanisms underlying gain control in normal hearing, congenital hearing loss and noise induced cochlear synaptopathy, broadly focusing on the two-way stream of information between the brain and ear via the primary afferent neurons and olivocochlear efferent pathways.

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Kirupa *	Suthakar *	NIH/NIDCD

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Signature Kirupa Suthakar

Women, Gender Minorities, and Allies in Science

Neural Contributions to Auditory Perception across the Lifespan

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Mishaela DiNino

Affiliation University of Buffalo

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Auditory neuronal structure and function change across the lifespan, influencing perception of sound from birth to older adulthood. My program of research examines how those natural lifespan alterations interact with hearing loss and use of auditory prostheses to further affect auditory perception. I primarily focus on how these mechanisms contribute to speech perception - a process that is the cornerstone of human verbal communication but that is greatly impacted by variations in auditory system function. In this talk, I will describe investigations of the interplay between normal lifespan changes and auditory perceptual impairments on processes important for speech sound perception.

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Mishaela *	DiNino *	University of Buffalo

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Signature Mishaela DiNino

Women, Gender Minorities, and Allies in Science

Assessing Auditory Neurodevelopment in Children with Normal Hearing and Hearing Loss

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Melissa Polonenko

Affiliation University of Minnesota

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The human brain remarkably and flexibly uses a wide range of sensory inputs. While this flexibility enables a person to adapt to the environment, it also leaves them vulnerable to sensory loss, particularly during sensitive developmental periods. My research program investigates how young children with normal and impaired hearing learn to communicate and navigate within their world. This translational work includes developing new ways to assess multi-sensory function and to evaluate outcomes with hearing aids and cochlear implants. This talk will highlight recent and upcoming work that uses a variety of stimuli and techniques to promote hearing health in children.

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Melissa *	Polonenko *	University of Minnesota

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Signature Melissa Polonenko

Women, Gender Minorities, and Allies in Science

Naturalistic Speech Processing in the Adult Auditory Cortex Immediately after Cochlear Implantation

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Maureen Shader

Affiliation Purdue University

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract In the human brain, functional changes can occur due to sensory deprivation. These changes could impair sensory processing following the reintroduction of sensory input, as in the case of cochlear implantation. This talk will present a study using a light-based neuroimaging method to investigate brain activity to naturalistic speech stimuli immediately after cochlear-implant activation. Methodological and analysis considerations will also be summarized which aim to improve the reliability of optical neuroimaging measurements on the individual-subject level. By maximizing its reliability, neuroimaging experiments have the potential to reveal individual differences in cortical processing that contribute to the variability in cochlear-implant outcomes.

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* Presenting Author

First Name	Last Name	Affiliation
Maureen *	Shader *	Purdue University

In-Person Participation I intend to participate in the MidWinter Meeting in-person for the entirety of the scheduled meeting.

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weeks or 14 days.

Signature Maureen Shader

Women, Gender Minorities, and Allies in Science

Gender Discrimination and Gender Stereotypes: Exploring the Impact on Women in Academia

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Erica Srinivasan

Affiliation University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Historically, women have faced major gender discrimination in academia, resulting in structural inequities such as underrepresentation in the sciences, gender disparities in high-status positions, gaps in attaining tenure and promotion, salary gaps, invisible labor, and unequal division of service work. The pandemic further exacerbated these issues, particularly among women caregivers. In this session, we will discuss some steps taken in an academic institution during the pandemic to address structural inequities. Additionally, we'll explore internalized gender stereotypes, ways in which they might impact both student and faculty experiences, and ways to build support.

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Erica *	Srinivasan *	University of Wisconsin – La Crosse

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Signature Erica Srinivasan

Women, Gender Minorities, and Allies in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Tanvi Thakkar

Affiliation University of Wisconsin-Madison

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Session Description Women are categorically underrepresented in Science, Technology, Engineering, and Math (STEM) careers. Underrepresentation is particularly problematic for early career women scientists who must navigate career advancement while facing gender-related stereotypes, unconscious biases, and social pressures that their male counterparts do not experience. The Association for Research in Otolaryngology (ARO) community currently lacks resources for women and gender minority members to form a united group. This symposium aims to provide a safe space for women, gender minorities, and male allies to come together to learn about systemic gender-related barriers in science and academia. The symposium will also serve as a platform for early career women in the otolaryngology field to showcase their research programs. As such, the goal of this event will be two-fold: (1) to inform the ARO community about gender-based biases in the sciences and (2) to elevate the work of a few inspiring early-career women in our field. The symposium will host two keynote speakers from psychology, Dr. Grace Deason and Dr. Erica Srinivasan, who will provide their expert perspectives on women in science. They will be joined by four early-career women from the otolaryngology field who will showcase their own research programs, Dr. Kirupa Suthakar, Dr. Melissa Polonenko, Dr. Mishaela DiNino, and Dr. Maureen Shader. The symposium broadly appeals to the ARO community by fostering inclusivity, diversity, and intersectionality as it relates to women, gender minorities, and male allies in science and academia.

Presenter Diversity Speakers are a geographically, age, race/ethnicity, and experience diverse

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Signature Tanvi Thakkar

Women, Gender Minorities, and Allies in Science

From Barriers to Opportunities: How Stereotypes Shape Women's Experiences in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Grace Deason

Affiliation Psychology Department, University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Women are stereotypically emotional and communal, whereas scientific careers are associated with objectivity and isolation. Psychological research demonstrates that this mismatch between a group stereotype and a social role leads to prejudice and can undermine women's interest and motivation. Barriers for Black and Latina women in science are greater than those faced by their white and Asian counterparts. Fortunately, studies have also begun to explore methods for minimizing the mismatch and mitigating bias. This talk will review psychological research on the effects of gender stereotypes in science and go beyond individual-level remedies to articulate creative institutional strategies for change.

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* Presenting Author

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Grace *	Deason *	Psychology Department, University of Wisconsin – La Crosse

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Signature Grace Deason

Women, Gender Minorities, and Allies in Science

Fine Tuning Auditory Processing at the periphery: What Do We Gain from Feedback circuitry?

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Kirupa Suthakar

Affiliation NIH/NIDCD

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The ability to distinguish signal from noise is a fundamental feature of sensory processing. Our auditory systems are constantly bombarded with sounds of varying meaning and relevance. An accurate perception of our environment thus depends on the ability to correctly identify and contextually filter incoming sounds, resulting in an appropriate response, both perceptually and behaviorally. My research focuses on the mechanisms underlying gain control in normal hearing, congenital hearing loss and noise induced cochlear synaptopathy, broadly focusing on the two-way stream of information between the brain and ear via the primary afferent neurons and olivocochlear efferent pathways.

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Kirupa *	Suthakar *	NIH/NIDCD

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Signature Kirupa Suthakar

Women, Gender Minorities, and Allies in Science

Neural Contributions to Auditory Perception across the Lifespan

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Mishaela DiNino

Affiliation University of Buffalo

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Auditory neuronal structure and function change across the lifespan, influencing perception of sound from birth to older adulthood. My program of research examines how those natural lifespan alterations interact with hearing loss and use of auditory prostheses to further affect auditory perception. I primarily focus on how these mechanisms contribute to speech perception - a process that is the cornerstone of human verbal communication but that is greatly impacted by variations in auditory system function. In this talk, I will describe investigations of the interplay between normal lifespan changes and auditory perceptual impairments on processes important for speech sound perception.

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Mishaela *	DiNino *	University of Buffalo

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Signature Mishaela DiNino

Women, Gender Minorities, and Allies in Science

Assessing Auditory Neurodevelopment in Children with Normal Hearing and Hearing Loss

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Melissa Polonenko

Affiliation University of Minnesota

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The human brain remarkably and flexibly uses a wide range of sensory inputs. While this flexibility enables a person to adapt to the environment, it also leaves them vulnerable to sensory loss, particularly during sensitive developmental periods. My research program investigates how young children with normal and impaired hearing learn to communicate and navigate within their world. This translational work includes developing new ways to assess multi-sensory function and to evaluate outcomes with hearing aids and cochlear implants. This talk will highlight recent and upcoming work that uses a variety of stimuli and techniques to promote hearing health in children.

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Melissa *	Polonenko *	University of Minnesota

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Signature Melissa Polonenko

Women, Gender Minorities, and Allies in Science

Naturalistic Speech Processing in the Adult Auditory Cortex Immediately after Cochlear Implantation

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Maureen Shader

Affiliation Purdue University

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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Maureen *	Shader *	Purdue University

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Signature Maureen Shader

Women, Gender Minorities, and Allies in Science

Gender Discrimination and Gender Stereotypes: Exploring the Impact on Women in Academia

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Erica Srinivasan

Affiliation University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

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Erica *	Srinivasan *	University of Wisconsin – La Crosse

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Signature Erica Srinivasan

Women, Gender Minorities, and Allies in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Tanvi Thakkar

Affiliation University of Wisconsin-Madison

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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Signature Tanvi Thakkar

Women, Gender Minorities, and Allies in Science

From Barriers to Opportunities: How Stereotypes Shape Women's Experiences in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Grace Deason

Affiliation Psychology Department, University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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* Presenting Author

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Grace *	Deason *	Psychology Department, University of Wisconsin – La Crosse

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Signature Grace Deason

Women, Gender Minorities, and Allies in Science

Fine Tuning Auditory Processing at the periphery: What Do We Gain from Feedback circuitry?

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Kirupa Suthakar

Affiliation NIH/NIDCD

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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Kirupa *	Suthakar *	NIH/NIDCD

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Signature Kirupa Suthakar

Women, Gender Minorities, and Allies in Science

Neural Contributions to Auditory Perception across the Lifespan

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Mishaela DiNino

Affiliation University of Buffalo

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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Mishaela *	DiNino *	University of Buffalo

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Signature Mishaela DiNino

Women, Gender Minorities, and Allies in Science

Assessing Auditory Neurodevelopment in Children with Normal Hearing and Hearing Loss

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Melissa Polonenko

Affiliation University of Minnesota

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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Melissa *	Polonenko *	University of Minnesota

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Signature Melissa Polonenko

Women, Gender Minorities, and Allies in Science

Naturalistic Speech Processing in the Adult Auditory Cortex Immediately after Cochlear Implantation

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Maureen Shader

Affiliation Purdue University

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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Maureen *	Shader *	Purdue University

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Signature Maureen Shader

Women, Gender Minorities, and Allies in Science

Gender Discrimination and Gender Stereotypes: Exploring the Impact on Women in Academia

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Erica Srinivasan

Affiliation University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Historically, women have faced major gender discrimination in academia, resulting in structural inequities such as underrepresentation in the sciences, gender disparities in high-status positions, gaps in attaining tenure and promotion, salary gaps, invisible labor, and unequal division of service work. The pandemic further exacerbated these issues, particularly among women caregivers. In this session, we will discuss some steps taken in an academic institution during the pandemic to address structural inequities. Additionally, we'll explore internalized gender stereotypes, ways in which they might impact both student and faculty experiences, and ways to build support.

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Erica *	Srinivasan *	University of Wisconsin – La Crosse

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Signature Erica Srinivasan

Women, Gender Minorities, and Allies in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Tanvi Thakkar

Affiliation University of Wisconsin-Madison

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

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Signature Tanvi Thakkar

Women, Gender Minorities, and Allies in Science

From Barriers to Opportunities: How Stereotypes Shape Women's Experiences in Science

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Grace Deason

Affiliation Psychology Department, University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Women are stereotypically emotional and communal, whereas scientific careers are associated with objectivity and isolation. Psychological research demonstrates that this mismatch between a group stereotype and a social role leads to prejudice and can undermine women's interest and motivation. Barriers for Black and Latina women in science are greater than those faced by their white and Asian counterparts. Fortunately, studies have also begun to explore methods for minimizing the mismatch and mitigating bias. This talk will review psychological research on the effects of gender stereotypes in science and go beyond individual-level remedies to articulate creative institutional strategies for change.

Enter all co-authors. You may search for any co-authors by using the search box. If you cannot find a co-author in this database, you may type them into the grid below. Please use the arrows to move authorship into the correct order. This is the order that will be printed in any program materials.

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In-Person Participation I intend to participate in the MidWinter Meeting in-person for the entirety of the scheduled meeting.

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weeks or 14 days.

Signature Grace Deason

Women, Gender Minorities, and Allies in Science

Fine Tuning Auditory Processing at the periphery: What Do We Gain from Feedback circuitry?

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Kirupa Suthakar

Affiliation NIH/NIDCD

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The ability to distinguish signal from noise is a fundamental feature of sensory processing. Our auditory systems are constantly bombarded with sounds of varying meaning and relevance. An accurate perception of our environment thus depends on the ability to correctly identify and contextually filter incoming sounds, resulting in an appropriate response, both perceptually and behaviorally. My research focuses on the mechanisms underlying gain control in normal hearing, congenital hearing loss and noise induced cochlear synaptopathy, broadly focusing on the two-way stream of information between the brain and ear via the primary afferent neurons and olivocochlear efferent pathways.

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Signature Kirupa Suthakar

Women, Gender Minorities, and Allies in Science

Neural Contributions to Auditory Perception across the Lifespan

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Mishaela DiNino

Affiliation University of Buffalo

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Auditory neuronal structure and function change across the lifespan, influencing perception of sound from birth to older adulthood. My program of research examines how those natural lifespan alterations interact with hearing loss and use of auditory prostheses to further affect auditory perception. I primarily focus on how these mechanisms contribute to speech perception - a process that is the cornerstone of human verbal communication but that is greatly impacted by variations in auditory system function. In this talk, I will describe investigations of the interplay between normal lifespan changes and auditory perceptual impairments on processes important for speech sound perception.

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Signature Mishaela DiNino

Women, Gender Minorities, and Allies in Science

Assessing Auditory Neurodevelopment in Children with Normal Hearing and Hearing Loss

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Melissa Polonenko

Affiliation University of Minnesota

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract The human brain remarkably and flexibly uses a wide range of sensory inputs. While this flexibility enables a person to adapt to the environment, it also leaves them vulnerable to sensory loss, particularly during sensitive developmental periods. My research program investigates how young children with normal and impaired hearing learn to communicate and navigate within their world. This translational work includes developing new ways to assess multi-sensory function and to evaluate outcomes with hearing aids and cochlear implants. This talk will highlight recent and upcoming work that uses a variety of stimuli and techniques to promote hearing health in children.

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Signature Melissa Polonenko

Women, Gender Minorities, and Allies in Science

Naturalistic Speech Processing in the Adult Auditory Cortex Immediately after Cochlear Implantation

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Maureen Shader

Affiliation Purdue University

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract In the human brain, functional changes can occur due to sensory deprivation. These changes could impair sensory processing following the reintroduction of sensory input, as in the case of cochlear implantation. This talk will present a study using a light-based neuroimaging method to investigate brain activity to naturalistic speech stimuli immediately after cochlear-implant activation. Methodological and analysis considerations will also be summarized which aim to improve the reliability of optical neuroimaging measurements on the individual-subject level. By maximizing its reliability, neuroimaging experiments have the potential to reveal individual differences in cortical processing that contribute to the variability in cochlear-implant outcomes.

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Signature Maureen Shader

Women, Gender Minorities, and Allies in Science

Gender Discrimination and Gender Stereotypes: Exploring the Impact on Women in Academia

Submission ID 3003267

Submission Type Symposia

Topic Other

Status Submitted

Submitter Erica Srinivasan

Affiliation University of Wisconsin – La Crosse

Participant(s) Tanvi Thakkar (Chair), Kelly Jahn (Co-chair), Grace Deason (Presenter), Kirupa Suthakar (Presenter), Mishaela DiNino (Presenter), Melissa Polonenko (Presenter), Maureen Shader (Presenter), Erica Srinivasan (Presenter)

SUBMISSION DETAILS

Individual Abstract Historically, women have faced major gender discrimination in academia, resulting in structural inequities such as underrepresentation in the sciences, gender disparities in high-status positions, gaps in attaining tenure and promotion, salary gaps, invisible labor, and unequal division of service work. The pandemic further exacerbated these issues, particularly among women caregivers. In this session, we will discuss some steps taken in an academic institution during the pandemic to address structural inequities. Additionally, we'll explore internalized gender stereotypes, ways in which they might impact both student and faculty experiences, and ways to build support.

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Erica *	Srinivasan *	University of Wisconsin – La Crosse

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Signature Erica Srinivasan