

ARO MidWinter Meeting Executive Summary 2022





Executive Summary for the 2022 ARO MidWinter Meeting

SCIENCE OF THE MEETING EVALUATION:

Attendees were given the opportunity to complete a post-meeting survey, which yielded the following conclusions regarding educational value, quality of content, and speakers. There were 484 respondents to the evaluation resulting in a response rate of 23.4%. Of those that responded to the meeting evaluation, 84.5% were current ARO members.

ATTENDANCE BY REGISTRATION CATEGORY:

Registration Type	2021 Total – 2,064	Rate	2022 Total- 1780	Rate
Regular Member Registration- Early Bird	419	\$150	730	\$300
Regular Member Registration- Standard	342	\$177.50	-	
Non-Member Registration- Early Bird	76	\$260	280	\$520
Non-Member Registration- Standard	141	\$308	-	
Senior Registration	50	\$0	25	\$100
Student/PostDoc & Resident Member Registration- Early Bird	762	\$0	414	\$120
Student/PostDoc & Resident Member Registration- Standard	-	-	-	-
Student/PostDoc & Resident Non-Member Registration- Early Bird	65	\$85	331	\$220
Student/PostDoc & Resident Non-Member Registration- Standard	90	\$100	-	-
Undergraduate	119	\$0	-	-

ATTENDANCE BY COUNTRY:

Country	2021	2022
Argentina	8	0
Armenia	0	1
Australia	24	15
Austria	16	10
Bahrain	1	0
Belgium	31	14
Brazil	3	0
Canada	60	38
Chile	0	1
China	16	17
Czech Republic	4	4
Denmark	31	17
Finland	4	4
France	44	50
Germany	107	90
Greece	3	0
Hong Kong	4	3
Hungary	0	0
India	1	6
Ireland	3	0
Israel	22	11
Italy	2	3
Japan	54	35
Korea, Democratic People's Republic of	0	0
Kazakhstan	1	0
Malaysia	0	0
Mexico	0	1
Netherlands	47	41
New Zealand	0	3
Nigeria	1	0
Philippines	0	0
Poland	2	2
Portugal	1	1
Qatar	1	1
Saudi Arabia	1	2
Singapore	3	0
Slovakia	1	1
South Africa	1	0
South Korea	48	63
Spain	16	14
Sudan	0	1
Sweden	7	8
Switzerland	15	17
Taiwan	5	9
Turkey	1	0
United Kingdom	88	56
United States	1389	1281
U.S. Pacific Islands	0	0
N/A	0	20

2022 ARO MidWinter Meeting Evaluation Summary

Respondent Break-Down

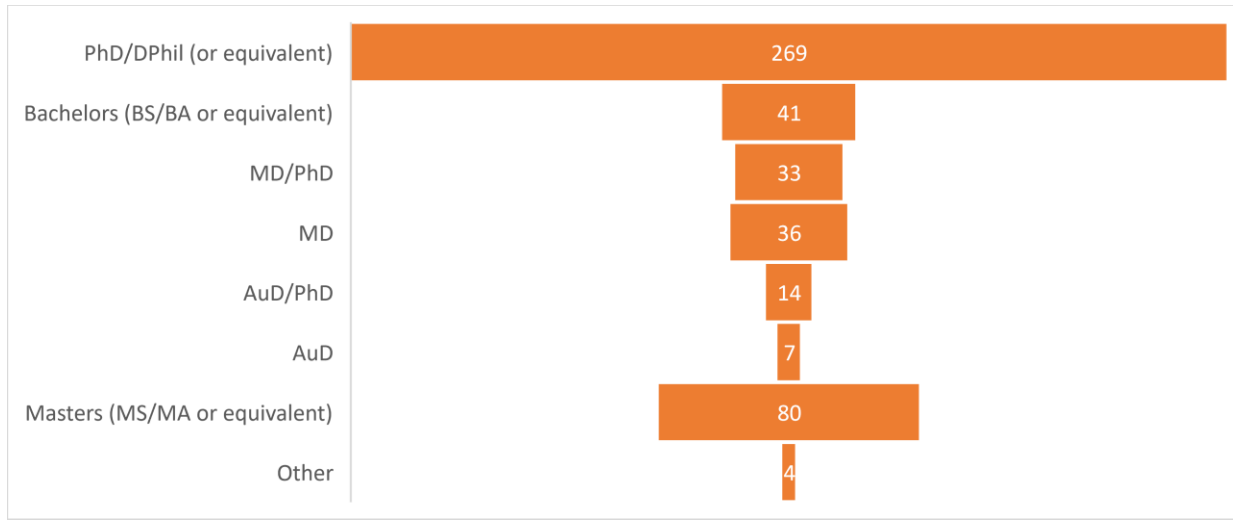
2021 *Total Respondents = 484

2022 Total Respondents= 485

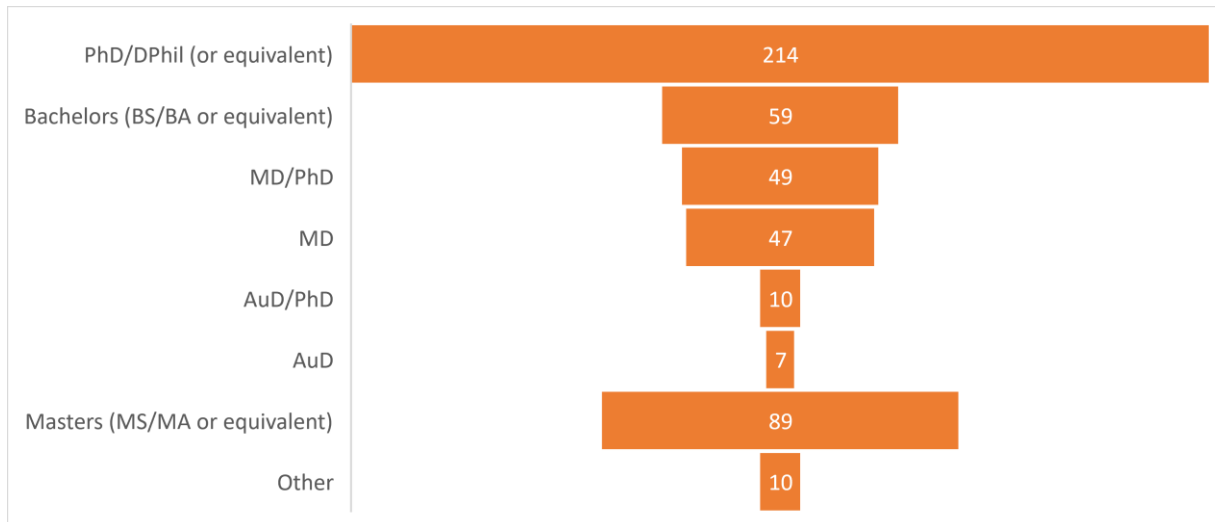
27.25% of all attendees responded to the evaluation

General Meeting Questions:

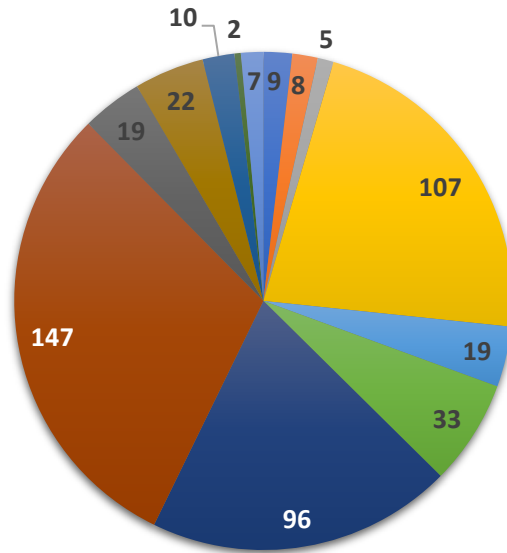
Degree Breakdown by Attendee: 2021



Degree Breakdown by Attendee: 2022

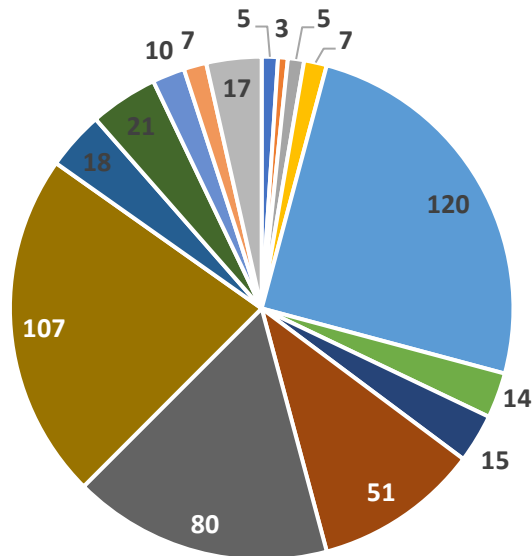


Attendee Occupation: 2021



- Administrator
- Clinician
- Other
- Postdoctoral Fellow
- Principal Investigator (Clinical Research)
- Audiologist/Speech Pathologist
- Graduate Student
- Physician Scientist/Clinician Scientist
- Principal Investigator (Basic Research)
- Researcher (Industry)

Attendee Occupation: 2022



- Administrator
- Audiologist/Speech Language Pathologist
- Graduate Student
- Other
- Postdoctoral Fellow
- Principal Investigator (Clinical Research)
- Audiology Student
- Clinician
- Medical Student
- Physician Scientist/Clinician Scientist
- Principal Investigator (Basic Research)
- Researcher (Industry)

Virtual Meeting:**2021****2022**

Timing of the meeting	84.0% rated Good or Excellent	75.4% rated Good or Excellent
Closed Captioning	77.5% rated Good or Excellent	75.3% Rated Good or Excellent
Technology Podium presentations	91.9% rated Good or Excellent	N/A
Technology Poster sessions	70.8% rated Good or Excellent	N/A
Technology Mentoring sessions	85.2% rated Good or Excellent	N/A
Technology Workshops	88.2% rated Good or Excellent	N/A
Technology Business meeting	85.1% rated Good or Excellent	N/A
Technology Awards ceremony	88.8% rated Good or Excellent	N/A

Rate the scientific content of the MWM with respect to the following topics:

	2021	2022
Cochlear /Vestibular Implants, Prostheses	93.4% rated Good or Excellent	87% of Attendees rated Good or Excellent
Perception/Psychophysics	84.4% rated Good or Excellent	80.7% of Attendees rated Good or Excellent
Auditory Cortex	88.4% rated Good or Excellent	85.4% of Attendees rated Good or Excellent
Auditory Brainstem	84.0% rated Good or Excellent	82.6% of Attendees rated Good or Excellent
Auditory Nerve	88.7.% rated Good or Excellent	83.8% of Attendees rated Good or Excellent
Inner Ear	91.0% rated Good or Excellent	87.5% of Attendees rated Good or Excellent
Middle Ear	71.9% rated Good or Excellent	70.6% of Attendees rated Good or Excellent
Outer Ear	70.8% rated Good or Excellent	69.5% of Attendees rated Good or Excellent
Mechanotransduction	89.0% rated Good or Excellent	84.6% of Attendees rated Good or Excellent
Trauma	78.8% rated Good or Excellent	75% of Attendees rated Good or Excellent
Repair and Regeneration	87.5% rated Good or Excellent	85.3% of Attendees rated Good or Excellent
Synapses	87.7% rated Good or Excellent	81.7% of Attendees rated Good or Excellent
Development	84.0% rated Good or Excellent	83.7% of Attendees rated Good or Excellent
Aging	80.4% rated Good or Excellent	81.3% of Attendees rated Good or Excellent
Genetics	83.3% rated Good or Excellent	82.9% of Attendees rated Good or Excellent
Vestibular	79.4% rated Good or Excellent	69% of Attendees rated Good or Excellent

Clinical Otolaryngology and Audiology	83.0% rated Good or Excellent	76.8% of Attendees rated Good or Excellent
Podium Sessions (selected from abstracts)	88.9% rated Good or Excellent	88% of Attendees rated Good or Excellent
Symposium Sessions	91.0% rated Good or Excellent	90% of Attendees rated Good or Excellent
Posters	81.0% rated Good or Excellent	75.1% of Attendees rated Good or Excellent

How would you rate this meeting's organization?

	2021	2022
Podium Sessions (selected from abstracts)	92.9% rated Good or Excellent	84.5% of Attendees rated Good or Excellent
Symposium Sessions	91.8% rated Good or Excellent	88.1% of Attendees rated Good or Excellent
Poster Session	73.8% rated Good or Excellent	68.1% of Attendees rated Good or Excellent
Program Book/Abstract Book	83.7% rated Good or Excellent	N/A
Awards Meeting	90.8% rated Good or Excellent	79.3% of Attendees rated Good or Excellent
Business Meeting	82.9% rated Good or Excellent	79.8% of Attendees rated Good or Excellent
Trivia Night	79.7% rated Good or Excellent	N/A
Social Media Communications and website (eg. Twitter)	78.4% rated Good or Excellent	75.9% of Attendees rated Good or Excellent

Session Room Count and Recording Views

Session Name	Room Count
Travel Awardee Celebration	98
Poster Blitz Competition	122
Presidential Symposium: "Mentoring and Training Scientists: What Works? Followed by a special panel titled "Intentional Mentoring"	357
Symposium 1: Consideration of Cross-Sensory Influences on Audition	152
Podium Session 2: Anatomy and Physiology of the Inner Ear	339
Podium Session 3: Vestibular Function and Aging: Basic Research	153
Diversity and Minority Affairs Round Table Workshop: "Dynamics of Power, Privilege and Oppressions and their Impacts on Individual and Communities"	102
Symposium 4: Noise Induced Hearing Loss- an "Omic Path to Treatment"	283
Podium Session 5: Aging Effect on Auditory Neural Encoding and Perception	203
Podium Session 6: Organ of Corti Micromechanics	114
Symposium 7: individual Listening Strategies: From Physiological to Perceptual Responses in Experiments and Simulations	115
Podium Session 8:	290
Podium Session 9: Spatial Hearing and Development	89
Symposium 10: Neural Basis of Auditory Decision-Making	120

Podium Session 11: Inner Ear Therapeutics	324
Podium Session 12: Cochlear Implant Advances	119
ARO Business Meeting	53
Podium Session 13: Hearing Loss: The Road From Genetics to Therapies	285
Podium Session 14: Auditory and Cognitive Processing	189
Podium Session 15: Auditory Brainstem: New Molecular and Functional Insights	147
Award of Merit Lecture	322
Symposium 16: Auditory Cognition in Cochlear Implants: Scene Analysis, Attention, Effort, and Real World Communications	143
Symposium 17: Twenty One Years of Prestin	140
Podium Session 18: New Molecular, Structural and Functional Perspectives of the Inner ear	271
Podium Session 19: Speech Perception: From Sensory Processin	73
Podium Session 20: All Things Tinnitus	166
Podium Session 21: From Peripheral Auditory Encoding to Central Processing	141
Podium Session 23: From Sterocilia to Mechanotransduction and Electromotility	302
Podium Session 24: Auditory Perception and Effort in Listening to Sounds, Speech, and Music	180
Symposium 25: Comparative and Integrative Research in Directional Hearing	78
Podium Session 26:	228
Podium Session 27: Hearing Loss: consequences, Adaptation, and Other issues	161
Podium Session 28: Non-Auditory Factors in Auditory Processing	159
Podium Session 29: Elephant to Mouse Middle Ears	72
Podium Session 30: Regeneration & Progenitor Cells	238
Symposium 31: Hearing Loss and Social Accountability: How Can We Make a Difference?	101
Podium Session 32: Otoacoustic Emissions	119
Podium Session 33: All the World's a Stage: Molecular Players in Hair Cell Function	266
Symposium 34: Insights from Naturalistic Stimuli for Models of Human Speech Perception	53
Podium Session 35: Hearing Loss: Damage and Protection	233
Podium Session 36: Of Pitch and Space	68
Glenis Long Memorial Symposium: Linking Acoustics, Psychoacoustics, and Otoacoustic Emissions	147
Outside Event Dates:	
Workshop- Translational Delivery Approaches for Inner Ear Therapies	75
gEAR Basics	53
gEAR Advanced	36
spARO Town Hall	10
spARO Mentoring Session: Careers in Industry	30
Funding your Scientific Genius!	11
spARO Mentoring Session: Mentor-Mentee Communication	13

NIDCD Workshop: SBIR/STTR	7
NIDCD Workshop: New Investigator/Early Stage Investigator	17
spARO Mentoring Session: Navigating the Grant Landscape	20
spARO Mentoring Session: Job Search and Independence in Academia	17
spARO/Mentorship Program Social	17
gEAR Q&A	1

Future Virtual Content

Year	2021	2022
Would you support ARO adding virtual content to the future meetings?	100% said yes	N/A
Live streaming of podium talks	73.8% said they would participate	58.3% said they would participate
Live streaming of the presidential symposium	62.8% said they would participate	45.7% said they would participate
Asynchronous talks – pre-recorded talk paired with live-streamed interactive discussion	54.5% said they would participate	36.6% said they would participate
Pre-recorded talks with no live component	30.3% said they would participate	23.4% said they would participate
Virtual poster sessions	57.2% said they would participate	44.5% said they would participate
Mentoring sessions in virtual format prior to or after the live ARO MidWinter Meeting	39.3% said they would participate	25% said they would participate
Workshops in virtual format prior to or after the live ARO MidWinter Meeting	46.2% said they would participate	27.6% said they would participate
Would you feel comfortable with your presentation being recorded?	100.0% said yes	N/A
How long would you want the recorded version to be available through the ARO website?	24 Hours- 1 48 Hours- 7 7 Days- 19 14 Days- 57 Indefinitely- 35 No Preference- 21	N/A

Overall Workshop Questions:

How would you rate this year's workshops?

	2021	2022
NIDCD Workshop #1 – applying for NIDCD Training and Career Development Awards	80.6% rated Good or Excellent	81% of Attendees rated Good or Excellent
NIDCD Workshop #2 – Early Stage Investigator (ESI) and New Investigators (NI)	80% rated Good or Excellent	91% of Attendees rated Good or Excellent
NIDCD Workshop #3 – SBIR and STTR Grant Programs from NIH / NIDCD	92.9% rated Good or Excellent	83.3% of Attendees rated Good or Excellent
gEAR Workshop	96.5% rated Good or Excellent	97.2% of Attendees rated Good or Excellent
Funding Your Scientific Genius!	84.8% rated Good or Excellent	89.3% of Attendees rated Good or Excellent
Science Communication Workshop- Designing and delivering effective conference presentations	95.5% rated Good or Excellent	-

Behind the Scenes with Publication!	92.1% rated Good or Excellent	89.2% of attendees Rated Good or Excellent
Graduate Program Open House	90.0% rated Good or Excellent	-
Beyond the Brain's Noise: Why neuroscientists ought to be interested in tinnitus	75.0% rated Good or Excellent	-

Overall Attendance Questions:

	2021	2022
Is this your first ARO Meeting?	13% - Yes; 87% - No	10%- Yes; 90% No
How many ARO Meetings have you attended in the past?	1 Meeting = 88 2 Meetings = 57 3 Meetings = 66 4 Meetings = 64 5 Meetings = 144	0 Meetings = 49 1 Meeting = 99 2 Meetings = 81 3 Meetings = 77 4 Meetings = 55 5 Meetings = 120 3 or 4 Meetings = 2 4 or 5 Meetings = 2

Overall spARO Questions:

spARO is the student, postdoc, and medical resident chapter of the Association for Research in Otolaryngology (https://www.aro.org/sparo-students-postdocs). Are you a trainee, and therefore automatically a member of spARO?	35.5%- Yes, 65.0%- No
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What is the most effective way for spARO to communicate their activities? (check all that apply)

	2021	2022
Email	21 respondents selected this option	153 respondents selected this option
Facebook	3 respondents selected this option	14 respondents selected this option
Instagram	2 respondents selected this option	10 respondents selected this option
Twitter	3 respondents selected this option	29 respondents selected this option
ARO/spARO website	3 respondents selected this option	51 respondents selected this option
Slack	N/A	9 respondents selected this option
Reddit	N/A	2 respondents selected this option

Did you attend any spARO virtual coffee hours during 2020?	91.0% rated Good or Excellent
Did you attend any spARO virtual coffee hours during 2021?	N/A

How would you rate the following mentoring sessions?

	2021	2022
Publishing	50.0% rated Good or Excellent	77.1% of Attendees rated Good or Excellent
Careers in Industry	44.4% rated Good or Excellent	88% of Attendees rated Good or Excellent
Clinician Scientist	44.4% rated Good or Excellent	100% of Attendees rated Good or Excellent
Navigating the Grant Landscape	66.6% rated Good or Excellent	81.5% of Attendees rated Good or Excellent
Science Communication	63.6% rated Good or Excellent	N/A
Careers in Academia	72.2% rated Good or Excellent	93.5% of Attendees rated Good or Excellent
Interviewing and Negotiating Skill Development	73.7% rated Good or Excellent	N/A
Job Search and Independence in Academia	61.1% rated Good or Excellent	N/A
Mentor-Mentee Communication	61.1% rated Good or Excellent	92.6% of Attendees rated Good or Excellent
Teaching and Research with Undergraduates	66.6% rated Good or Excellent	93.8% of Attendees rated Good or Excellent
Women and Allies Roundtable	72.0% rated Good or Excellent	N/A
Kathy Buckley Comedy Show	84.0% rated Good or Excellent	N/A
Diversity and Minority Affairs Roundtable	56.0% rated Good or Excellent	N/A
Science and Communication Workshop	60.0% rated Good or Excellent	N/A



ARO 2022 Evaluation Comments

Please Note: All comments from attendees are left unedited

2022 Evaluation Comments

- Please provide any additional comments regarding the format of the proposed hybrid meeting [here](#).
- What changes would you suggest to the timing of virtual programming? Comment [here](#).
- Please write any additional comments about the MidWinter Meeting [here](#).
- Please write any additional comments about the scientific content of the MidWinter Meeting [here](#)
- Please write any additional comments about this year's workshops [here](#).
- Please write any additional comments about the virtual technology [here](#).
- For future ARO meetings, do you have any suggestions for improving accessibility for yourself or other attendees with disabilities or differences? Comment [here](#).
- Do you have any comments on spARO events at the 2022 MidWinter Meeting, or suggestions for future spARO activities? Comment [here](#).
- It's been a rough two years. Is there anything specific that ARO can do to help you? Comment [here](#).