

XXVIII IERASG Symposium - *Cologne, Germany* - September 15 - 19th 2023

Symposium Chair: Prof. Dr. Martin Walger - ENT University Clinic - Audiological Center - Cologne, Germany

Anatomical Institute - University of Cologne - Joseph Stelzmann Str. 60 - 50931 Cologne

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<https://ierasg23.com>



Final Program

Friday - September 15th 2023

09:00		Lecture Hall 2	Lecture Hall 3	
LIVE		Workshop 1: EEG analysis (Part 1)	Live	Workshop 2: eABR and eACR (Part 1)
time	ID	Moderator: Andrew Dimitrijevic (CAN)	ID	Moderators: Andy Beynon (NLD) and Martin Walger (DEU)
09:00	WS1	Andrew Dimitrijevic (CAN) Welcome and introduction	WS2	Andy Beynon (NLD) Welcome and Introduction to eAEP's Martin Walger (DEU) Overview eAEP's eABR: physiological basis and recording techniques live Patient demo: eABR with CI mediated electrostimulation eABR evaluation; Q&A
09:15				
09:30				
09:45				
10:00				
10:15				
Entrance Hall				
coffee break				
11:00		Lecture Hall 2	Lecture Hall 3	
LIVE		Workshop 1: EEG analysis (Part 2)	Live	Workshop 2: eABR and eACR (Part 2)
time	ID	Moderator: Andrew Dimitrijevic (CAN)	ID	Moderators: Andy Beynon (NLD) and Martin Walger (DEU)
11:00	WS1		WS2	Andy Beynon (NLD) eACR: physiological basis and recording techniques Live patient demo Plenary: Q&A, discussion Closure
11:15				
11:30				
11:45				
12:00				
12:15				
12:30				
12:45				
Lunch (optional) Minerva's Lounge or Cafeteria, University Clinic				
14:00		Lecture Hall 2	We thank our sponsors!!!	
LIVE		Workshop 3: VEMP's (Part 1)		
time	ID	Moderators: Steven Bell (GBR) and Andy Beynon (NLD)		
14:00	WS3			
14:15				
14:30				
14:45				
15:00				
15:15				
coffee break				
16:00		Lecture Hall 2		
LIVE		Workshop 3: VEMP's (Part 2)		
time	ID	Moderators: Steven Bell (GBR) and Andy Beynon (NLD)		
16:00	WS3			
16:15				
16:30				
16:45				
17:00				
17:15				
17:30				
Welcome Reception				
Minerva's Lounge Joseph-Stelzmann-Straße 9B, 50931 Köln Minerva's Lounge - Google Maps				
Anatomical Institute		Minerva's Lounge		
19:30				

Saturday - September 16 th 2023			
08:30		Lecture Hall 2	
LIVE		XXVIII IERASG Opening Ceremony <i>Moderator: Suzanne Purdy (NZL) and Martin Walger (DEU)</i>	
08:30		Welcome to Cologne 2023! Awards Memory of Susan Small Announcements	
09:00		Hallowell Davis Lecture <i>Moderator: Suzanne Purdy (NZL)</i>	
LIVE		Yvonne Sininger (USA) <i>Asymmetry in the Auditory System</i>	
09:00	HD		
10:00		Lecture Hall 2	Lecture Hall 3
ID		Free Paper 1: ABR and signal processing <i>Moderators: Andy Beynon (NLD) and Sinnet Kristensen (DNK)</i>	
10:00	FP-1	Rafael Delgado (USA) Comparison of auditory brainstem recordings acquired at various stimulation rates from typically developing and autism spectrum disorder children	
10:15	FP-2	Angel de la Torre (ESP) Simultaneous deconvolution of multiple auditory evoked potentials in a reduced representation space	
10:30	FP-3	Guy Lightfoot (GBR) The Clinical Evaluation of a Modified Fmp in Infant Auditory Brainstem Response Tests	
10:45	FP-4	Penelope Bundy (NZL) and Michael Maslin (NZL) Revisiting the interleaved ABR: a relatively simple means of reducing test time?	
11:00		Entrance Hall	
coffee break with poster sessions			
11:00		Seminar room 2	Seminar room 3
ID		Poster Session 1 (authors present)	
	P1	David Simpson (GBR) A Bayesian sequential test for Auditory Brainstem Response detection	
	P2	Milaine Sanfins (BRA) An ABR study of central gain in individuals with chronic tinnitus	
	P3	Kyoug Ho Park (KOR) ABR & OAE change in transplantation with mesenchymal stromal cells from human placenta in sensorineural hearing loss animal model	
	P4	Siobhan Brennan (GBR) Measurement of Reference Equivalent Thresholds Sound Pressure Level (RETSPL) & Difference between Auditory Brainstem Response (ABR) & Puretone Audiometric Thresholds (PTA) at 3, 6, and 8 kHz	
	P5	Min-Hyun Park (KOR) Correlation of hearing thresholds measured by puretone audiometry and by tone-burst auditory brainstem response.	
	P6	Milaine Sanfins (BRA) Auditory Brainstem Response in Normal Hearing in new equipment available in Brazil	
ID		Poster Session 2 (authors present)	
	P7	Ahmad Aidil Arafat Dzulkarnian (MYS) Evaluation of sound-working memory therapy in autism spectrum disorder children using auditory brainstem response (ABR) with psychological task	
	P8	Ana Luiza Luiz (BRA) and Ana Claudia Frizzo (BRA) Brainstem auditory evoked potential in neonates with hearing risk factors	
	P9	Anna Sergeeva (DNK) Towards ASSR-based hearing assessment using natural sounds	
	P10	Jeong-Hoon Oh (KOR) Reliability of interaural difference of SP/AP ratio in Meniere's disease	
	P11	Raphael Koning (DEU) Multi-Frequency ECoHG Monitoring through the AIM System	
	P12	Jae Ho Chung (KOR) Potential Presence of Cochlear Synaptopathy in Patients fully Recovered from Sudden Sensorineural Hearing Loss	
11:30		Lecture Hall 2	Lecture Hall 3
time		Free Paper 2: ABR and ASSR <i>Moderators: Guy Lightfoot (GBR) and Mario Cebulla (DEU)</i>	
11:30	FP5	Sinnet Kristensen (DNK) Exploring across-frequency interaction in simultaneously recorded auditory brainstem responses	
11:45	FP6	Ute Geiger (DEU) Optimal ASSR stimulus repetition rates in normal and hearing-impaired infants	
12:00	FP7	Mario Cebulla (DEU) Reliability of the ASSR-based NHS for identifying children with suspected ANSD	
12:15	FP8	Jaime Andres Undurraga Lucero (DNK) A novel method to detect auditory evoked potentials – the Fmpi	
12:30	FP9	Pauline Burkhart (DEU) and Martin Walger (DEU) Evaluation of HA amplification using ABR and a new free field transducer	
12:45	FP10	Erik Schebsdat (DEU) Free-field evoked auditory brainstem responses in Cochlear-Implant patients - an objective method for the analysis of aggregate system latencies	
13:00		Entrance Hall	
Lunch <i>lunch boxes at entrance hall</i>			
13:45 Excursion: Dragon Rock, Dragon Castle, Rhine River Cruise			
Bus departure: Anatomical Institute, Joseph Stelzmann Str. 60 - outside entrance hall Destination: Königswinter - Dragon Castle - Dragon Rock - Rhine river cruise - Cologne			
15:00	Group I: cable car to dragon castle and rock Group II: hiking tour through nightingale valley to dragon castle and rock (45-60 min; slight ascent)		
16:00	coffee break at dragon rock   		
17:45	cable car return to Königswinter (every 30min)		
18:00	Rhine river cruise to Cologne with the "Rheinprinzessin" (Rhine princess)		
18:30	departure		
19:30	Dinner on board		
22:00	arrival in Cologne		



e-Poster exhibition

e-Poster exhibition

Sunday - September 17 th 2023			
08:30		lecture hall 2	
LIVE		Susan Small Pediatric EP Lecture <i>Moderator: Barbara Cone (USA)</i>	
08:30	SSEP-1	David Stapells (CAN) The details are important: Susan Small's Research into Infant Hearing	
09:15		Lecture Hall 2	Lecture Hall 3
ID		Student Session 1 <i>Moderator: Joaquin Valderrama (ESP)</i>	
09:15	S1	Rien Sonck (BEL) Auditory steady-state responses: multiplexed amplitude modulation frequencies to reduce recording time	
09:30	S2	Marieke Snijder-van As (NDL) New objective measurement for assessing high-frequency ototoxic damage	
09:45	S3	Laura Jacksens (BEL) Frequency-Following Responses in Sensorineural Hearing Loss: A Systematic Review	
10:00	S4	Esma Akis (GBR) Exploring objective measures of auditory temporal resolution	
10:00		Entrance Hall	
e-Poster exhibition			





e-Poster exhibition


10:15		Entrance Hall		
coffee break with poster sessions				
10:15		Seminar room 3		
ID		Student Poster Session 1 (authors present)		
SP1	Sebastian Roth (DEU)	SP7	Ji-Won Choi (KOR)	
	Evaluation of binaural interaction in SSD CI users based on the calculated binaural interaction component of auditory brainstem responses		Longitudinal EEG potentials (VEP) evoked by visual pattern reversal as an outcome prediction marker for cochlear implant users	
SP2	Irem Adallilar (BEL)	SP8	Hyungi Chun (USA)	
	Investigating Latency Differences between ASSRs of Adults and Children with Normal Hearing		The impact of speech rate and target word intensity on speech processing and listening effort in background noise in older listeners	
SP3	Miguel Tamboury-Gutierrez (ESP)	SP9	Sankalpa Madashetty (IND)	
	Reduced Auditory Nerve Phase-locking in Healthy Older Listeners Measured with Electrocochleography		The impact of hearing loss on attention network tests among older individuals: An event related potential study	
SP4	Marlies Geys (CHE)	SP10	Brilliant Brilliant (DEU)	
	Electrocochleographic Patterns and Hearing Preservation During the Initial Year of Cochlear Implant Use		Auditory cognitive and sensory load modulate neuronal oscillatory activity before and after the behavioral response	
SP5	Swantje Hansen (DEU)	SP11	Busra Erdem (GBR)	
	Cortical Auditory Potentials Evoked by Changes in Interaural Phase Difference		Comparing Vestibular Evoked Myogenic Potential (VEMP) frequency tuning curves between B71 and minishaker transducers	
SP6	Lisbeth Birkelund Simonsen (DNK)	SP12	Carolina Köstler (DEU)	
	An electrophysiological version of the Audible Contrast Threshold (ACT™) test: Correlation to HINT and behavioural ACT as well as test-retest differences		Use of an electromagnetic actuator as an implantable microphone - first results	
SP8	Ana Luiza Luiz (BRA) and Ana Claudia Frizzo (BRA)	SP13	Hye Ah Joo (KOR)	
	Brainstem auditory evoked potential in neonates with hearing risk factors		Patterns of Device Failure among Different Types of Hearing Aids	
10:45		Lecture Hall 2		
LIVE		Historical Interview 1: Lessons from the past - implications for the future		
		Moderator: Barbara Cone (USA)		
		Hillel Pratt (ISR)		
		Interviewers: Barbara Cone (USA) and Joaquin Valderrama (ESP)		
11:30		Lecture Hall 2		
ID		Student Session 2		
		Moderator: Kristin Uhler (USA)		
11:30	S5	Lana Biot (BEL)	e-Poster exhibition	
		Optimization of the acoustic change complex recording procedure to accurately predict speech perception		
11:45	S6	Nina Aldag (DEU)		
		Psychoacoustic and electroencephalographic measures of amplitude modulation depth and frequency and their relation to speech recognition in cochlear implant users		
12:00	S7	Louise van Goylen (BEL)		
		Measuring listening effort using the P300 auditory evoked potential within young and older adults		
12:15	S8	John Cooper (BEL)		
		Effects of Mouth Movements on Speech Intelligibility in Naturalistic Audiovisual Environment		
12:30		Entrance Hall		
Lunch with Industry presentations				
13:00		Lecture Hall 2		
ID		Industry presentations 1: what's new?		
13:00	IN1	Andre Ludwig (DEU), PATH Medical		
		Adaptive Noise Cancelling applied to OAE		
13:15	IN2	Rafael Delgado (USA), Intelligent Hearing Systems Corp.		
		Advanced SmartEP features on the IHS Duet platform for averaging, SNR estimation and audiovisual integration		
13:30	IN3	Rainer Thie (DEU), Pilot Blankenfelde		
		Electrical ABR and new mathematical methods for ABR-analysis		
13:45	IN4	Raphael Koning, Advanced Bionics		
		New avenues in cochlear implant objective measures – Advanced Bionics' AIM system		
14:00		Lecture Hall 2		
LIVE		Guest Lecture 1		
		Moderator: Martin Walger (DEU)		
		Michael Scherg (DEU)		
		The sources of auditory evoked responses		
14:45		Lecture Hall 2		
LIVE		Round Table 1		
		New frontiers of electrophysiology in clinical practice		
		Moderation: Suzanne Purdy (NZL) and Martin Walger (DEU)		
14:45		Introduction: Suzanne Purdy (NZL) and Martin Walger (DEU)		
15:00	FP11	Steven Bell (GBR)		
		Gaussian Processes for efficient audiogram estimation with Auditory Brainstem Responses		
15:15	FP12	David Stapells (CAN)		
		Cochlear contributions to the ABR to narrowband chirps versus 2-1-2 linear-gated tones: A high-pass noise/derived response study		
15:30	FP13	Andy Beynon (NDL)		
		Intraoperative ECoG in cochlear implantation: the ANN/CM-ratio as predictive measure of hearing preservation		
15:45	FP14	Pascale Sandmann (DEU)		
		The time course of auditory and audio-visual speech processing in cochlear-implant users revealed by cortical evoked potentials		
16:00		Entrance Hall		
coffee break with poster sessions				
16:00		Seminar room 3		
ID		Poster Session 3 (authors present)		
P13	P13	Daniel Polterauer (DEU)	P19	Milaine Sanfins (BRA)
		Transtympanic electrically evoked auditory brainstem response in local anesthesia (= LA-TT-EABR) using the MED-EL stimulation and Nihon Kohden recording system vs. an Inomed stimulation and recording setup		Electrophysiological Testing for an Auditory Processing Disorder and Reading Performance in students.
P14	P14	Daniel Polterauer (DEU)	P20	Ho Yun Lee (KOR)
		Transtympanic electrically evoked auditory midbrain response in local anesthesia (= LA-TT-EAMLR) as a pre-operative tool for checking cochlear implant (= CI) candidacy in an intrasubject comparison to established equivalent measurements of the auditory brainstem (= LA-TT-EABR) and auditory cortex (= LA-TT-EALR)		Auditory Evoked Responses as Predictors of Decreased Sound Tolerance in Tinnitus Patients
P15	P15	David P. Herrmann (DEU)	P21	Allison Mackey (SWE)
		Correlating the intraoperative electrically evoked auditory brainstem response with postoperative high-resolution computed tomography scans		Revisiting the transient-evoked otoacoustic emissions passing criteria used for newborn hearing screening
P16	P16	Rahel Bertschinger (CHE)	P22	Fatin Nabilah Jamal (MYS)
		Feasibility of Extracochlear Stimulation to Induce Hearing and Reduce Tinnitus		Evaluation of sound and working memory therapy using suppression transient otoacoustic emission among autism spectrum disorder children
P17	P17	Karin Fränlund (SWE)	P23	Lan Lan (CHN)
		Cortical auditory evoked potentials (P1 latency) in children with cochlear implants correlated with clinical language tests		The Feature of Extended High-frequency and Distortion Product Input-Output of Auditory Neuropathy Patients
P18	P18	Hye Ah Joo (KOR)	P24	Luciana- Macedo de Resende (BRA)
		Cochlear Implant Outcomes in the Elderly Patients: Experience over 10 years in Asan Medical Center		Study of acquired cochlear synaptopathy in young adults
16:45		Lecture Hall 2		
ID		Free Paper 3: Otoacoustic Emissions (OAE)		
		Moderators: Wiktor Jedrzejczak (POL) and Beth Prieve (USA)		
16:45	FP15	Jazek Smurzynski (USA)	e-Poster exhibition	
		Recording distortion product otoacoustic emissions (DPOAEs) using the adaptive noise cancelling algorithm		
17:00	FP16	Ernst Dalhoff (DEU)		
		Pulsed DPOAE latency as reference for ABR measurements?		
17:15	FP17	Srikanta Mishra (USA)		
		Speech-in-noise recognition: Don't forget cochlear tuning!		
17:30	FP18	Wiktor Jedrzejczak (POL)		
		Insights into the modulation of peripheral hearing by attentional level based on several experiments involving otoacoustic emissions and auditory evoked potentials		
19:30		get together		
		Historical Gürzenich, Cologne		
		Dinner, IERASG awards and music		
		Martinstrasse 29-37, 50966 Köln		
		Gürzenich Köln - Google Maps		
24:00				

Monday - September 18th 2023



		Lecture Hall 2			
08:30		Guest Lecture 2			
LIVE		Moderator: <i>Mridula Sharma (AUS)</i>			
08:30		Kristin Uhler (USA)			
GL2		The impact of auditory access on the speech perception during infancy and how it relates to later language outcomes			
09:15		Lecture Hall 2		Lecture Hall 3	
		Free Paper 4: Auditory Long Latency Responses (ALR and ERP)			
		Moderators: <i>Monica Chapchap (BRA) and Michael Maslin (NZL)</i>			
09:15		FP19 Huib Versnel (NDL)		e-Poster exhibition	
		The acoustic change complex as objective measure of speech perception in noise			
09:30		FP20 Ana Claudia Frizzo (BRA)			
		Acoustic Change Complexes to fundamental frequency shifts in elderly people with hearing loss			
09:45		FP21 Pedro Menezes (BRA)			
		Forward masking in speech-evoked cortical auditory evoked potential: Effect of masker-probe interval			
10:00		FP22 Raphael Koning (DEU)			
		Objective Measurement of Cortical Potentials with the Cochlear Implant Electrode			
10:15		FP23 Michael Maslin (NZL) and Suzanne Purdy (NZL)			
		Mismatch responses and the ability to objectively index sound discrimination in infants with normal hearing			
10:30		FP24 Emilie Cardon (BEL)			
		Cortical auditory evoked potentials as biomarkers to detect the presence of chronic tinnitus			
10:45		entrance hall			
coffee break with poster sessions					
10:45		Seminar room 2		Seminar room 3	
		Poster Session 5 (authors present)		Poster Session 6 (authors present)	
P25		P25 Rafael Delgado (USA)		P31 Kathy Vander Werff (USA)	
		Simultaneous Acquisition of Speech Frequency Following Responses and Cortical Auditory Evoked Potentials		Cortical auditory evoked responses in post-concussion adolescents: implications of injury, maturation, and background noise	
P26		P26 Milaine Sanfins (BRA)		P32 Pedro Menezes (BRA)	
		Frequency Following Responses to speech stimuli from birth to age 11 years: preliminary data		The effect of forward masking on cortical auditory evoked potentials in adults: assessing central auditory processing disorder	
P27		P27 Laura Jaxsens (BEL)		P33 Amani Shalaby (EGY)	
		Differences in auditory processing of vowels preceded by another vowel versus a consonant, a study using frequency-following responses		Noise reduction algorithms measured by ACC in pediatric hearing aid users	
P28		P28 Ghadah Aljarboa (GBR)		P34 Pedro Menezes (BRA)	
		Comparing Cortical Responses to Continuous Speech and Speech Modulated Noise During Passive Listening		Effects of forward masking and signal-to-noise ratio on speech-evoked cortical auditory evoked potentials	
P29		P29 Bei Li (CHN)		P35 Ana Claudia Frizzo (BRA)	
		Evaluating the effectiveness of audiovisual interaction mechanisms in improving speech resolution in noisy environments of hearing impaired patients using auditory evoked potentials: a preliminary study		Effect of AÇAI on heart rate and auditory cortical response	
P30		P30 So Yun Lim (KOR)		P36 Luciana Macedo de Resende (BRA)	
		Analysis of the correlation between hearing loss and cognitive impairment		Amusia and its electrophysiological correlates in neurofibromatosis type 1: an in-depth analysis	
		Lecture Hall 2			
11:15		Historical Interview 2: Lessons from the past - implications for the future			
LIVE		Moderator: <i>Barbara Cone (USA)</i>			
		Deborah Hayes (USA) and Jerry Northern (USA)			
		Interviewers: <i>Barbara Cone (USA) and Suzanne Purdy (NZL)</i>			
12:00		Lecture Hall 2		Lecture Hall 3	
		Free Paper 5: Speech processing, FFR, EFR			
		Moderators: <i>Jose Barajas (ESP) and Pascale Sandmann (DEU)</i>			
12:00		FP25 Frank Boehnke (DEU)		e-Poster exhibition	
		Frequency following responses for phase-time analysis of the auditory pathway			
12:15		FP26 Sarah Verhulst (BEL)			
		Supra-threshold Envelope-following Responses in the Ageing Population: Relationships with Hearing Sensitivity and Speech Intelligibility			
12:30		FP27 Madison Brown (AUS) and Mridula Sharma (AUS)			
		The role of attention and memory in understanding conversation in noise in adults: neural tracking study			
12:45		FP28 Anna Weglage (DEU)			
		Audiovisual speech processing in the first months of CI use			
13:00		Entrance hall			
Lunch with Industry presentations					
Lecture Hall 2					
Industry presentations 2: what's new?					
13:15		IN5 Philipp Spitzer, MedEl			
		Innovative Evoked Response Audiometry with MED-EL			
13:30		IN6 Jörg Pesch, Cochlear			
		Diagnostics for smart and connected hearing implant care			
13:45		IN7 Mario Cebulla (DEU) and Eckhart Stürzebecher (DEU), Interacoustics Research Unit			
		CM detector for automatic ASSR-based Hearing Threshold Assessment			
14:00		Lecture Hall 2			
LIVE		Guest Lecture 3			
		Moderator: <i>Andrew Dimitrijevic (CAN)</i>			
14:00		Tobias Moser (DEU)			
GL3		Towards the Optical Cochlear Implant: Optogenetic Stimulation of the Auditory Pathway			
14:45		Lecture Hall 2			
LIVE		Round Table 2			
		Current and future developments in neural speech processing			
		Moderator: <i>Andy Beynon (NDL) and Mridula Sharma (AUS)</i>			
14:45		Introduction: <i>Andy Beynon (NDL) and Mridula Sharma (AUS)</i>			
15:00		FP29 Jonas Vanthornhout (BEL)			
		The effect of binaural unmasking on speech envelope tracking			
15:15		FP30 Bonnie Lau (USA)			
		Decoding of Speech Envelope in Co-located and Segregated Noise in Infant and Child EEG Data			
15:30		FP31 Waldo Nogueira (DEU)			
		Decoding Selective Attention From Single-Trial EEG Data in Cochlear Implant Users with Ipsilateral Residual Hearing			
15:45		General Discussion			

16:00		Entrance Hall			
coffee break with poster sessions					
16:00		Seminar room 2	Seminar room 3		
ID	Poster Session 7 (authors present)		ID	Poster Session 8 (authors present)	
P37	P37	Mugdha Arkadi (IND) Impact of Aging on Masseter Vestibular Evoked Myogenic Potentials	P42	Mats Rekwinkel (DNK) Cortical and behavioural discrimination in response to vowel-like spectral cues	
P38	P38	Bei Li (CHN) A preliminary study on the mechanism of cross-modal plasticity between vestibular myogenic evoked potentials and auditory cortical evoked potentials induced by noise stimulation	P43	Rafael Delgado (USA) Using the McGurk effect to elicit audiovisual multisensory Event Related Potentials	
P39	P39	Ji-Song Hong (KOR) Study on protective effect of novel small chemical compound against cisplatin-induced ototoxicity	P44	Pedro Menezes (BRA) Mismatch Negativity in children with phonological disorder	
P40	P40	Hyun Jin Lee (KOR) Association between HbA1c and Hearing Loss	P45	Luciana Macedo de Resende (BRA) Musical training in teenagers with Type 1 Neurofibromatosis: effects on auditory perception and its electrophysiological correlates	
P41	P41	Seog-Kyun Mun (KOR) Role of microRNA-375-3p-mediated regulation in tinnitus development.	P46	Ulrike Pohle (DEU) Influences of perceptual and cognitive deficiencies on complex speech processing: an electroencephalography (EEG) pilot study	
			P47	Qingchun Pan (CHN) Event related potentials and brain network functional connectivity mechanisms in patients with noise induced hearing loss: a preliminary study	
16:30		Lecture Hall 2	16:30		Lecture Hall 3
ID	Free Paper 6: Electrocochleography (ECoChG) and eAEP		e-Poster exhibition		
	Moderators: Rafael Delgado (USA) and Jun-Ho Lee (KOR)				
16:30	FP32	Jeong-Seo Kim (KOR) Acoustically evoked compound action potentials recorded from cochlear implant users with preserved acoustic hearing			
16:45	FP33	Adam Walkowiak (POL) Validation of a newly developed SPL Chirp for intracochlear ECoChG measurement			
17:00	FP34	Sabine Haumann (DEU) Continuous intracochlear ECoChG measurement to preserve residual hearing in CI surgeries			
17:15	FP36	Martin Walger (DEU) Preoperative assessment of auditory nerve function in challenging cases using round-window eABR (rw-eABR)			
17:30	FP37	Amparo Callejon Lebllic (ESP) Electrically-evoked cortical potentials in cochlear implant users: Towards an objective fitting measure of central auditory detection			
20:00		Cologne Cathedral: exclusive concert		girls chorus of the Cologne Cathedral	
21:00		 			

Tuesday - September 19 th 2023						
08:30		Lecture Hall 2		Lecture Hall 3		
LIVE		Guest Lecture 4: Young Researcher				
ID	Moderator: Steven Bell (GBR)		Joaquin T. Valderrama-Valenzuela (ESP)			
08:30	GL4	Deconvolution for flexible recording of transient evoked potentials		e-Poster exhibition		
09:15		Lecture Hall 2	Lecture Hall 3			
ID	Free Paper 7: ECAP and EP special					
	Moderators: Andy Beynon (NLD)					
09:15	FP38	Jeong-Seo Kim (KOR) The effect of intracochlear electrode design on electrically evoked compound action potential growth and spread of excitation functions				
09:30	FP39	Jan Dambon (DEU) Covariates of facilitation in electrically evoked compound action potentials.				
09:45	FP40	Huib Versnel (NDL) The electrically evoked compound action potential with varying pulse phase duration and assessment of auditory nerve health				
10:00	FP41	Angel de la Torre (ESP) Live demonstration of a portable, affordable, and versatile auditory evoked potentials recording system mostly based on off-the-shelf electronics				
10:30		Entrance hall				
coffee break with poster sessions						
10:30		Seminar room 2				
ID	e-Poster Session 9 (authors present)					
P48	Milaine Sanfins (BRA) Long latency auditory evoked potentials and cortical gain in patients with tinnitus disorder					
P49	Luciana Macedo de Resende (BRA) Comparative study of cognitive and hearing skills in functionally independent elderly					
P50	Beth Prieve (USA) Preliminary Analysis of Auditory Brainstem and Cortical Responses Evoked by Running Speech in Preterm and Term Infants					
P51	Juan Manuel Cornejo (MEX) Loudness topography in the early deafness implanted patient					
P52	Ignacio Calderon De Palma (NLD) Illuminating regularity violations: optical imaging in an auditory oddball paradigm					
P53	Melissa Macaskill (FRA) What is known about functional connectivity assessed with electroencephalography in children with mild traumatic brain injury					
11:00		Lecture Hall 2	11:00			
Student Session 3		Lecture Hall 3				
ID	Moderator: Maria Perez-Abalo (USA)		e-Poster exhibition			
11:00	S9	Heleen Van Der Biest (BEL) Platinum- induced ototoxicity: potential bio-markers of cochlear synaptopathy				
11:15	S10	Nele De Porteere (BEL) Music festivals: The effect of recreational noise exposure on young adults hearing				
11:30	S11	Taegyong Kim (KOR) Comparison of newborn hearing screening program results in different periods				
11:45		Hybrid Poster Session				
ID	Moderator: Maria Perez-Abalo (USA)					
11:45	P54	Srividya Asuri (IND) Auditory Event-related potentials for word stimuli in the Kannada language among native Kannada speakers with Dementia				
11:50	P55	Leigh Biagio de Jager (ZAF) ANSD case study: More for good measure?				
11:55	P56	Che Muhammad Amir Che Awang (MYS) A preliminary study of the effect of various contralateral auditory attention tasks on efferent pathway among patient with schizophrenia.				

12:00	Entrance hall	
	coffee break	
12:30	Lecture hall 2	
	LIVE	Closing Ceremony
		<i>Moderator: Suzanne Purdy (NZL) and Martin Walger DEU</i>
12:30	Suzanne Purdy (NZL)	student awards: best oral- and Poster presentations
12:40	David Stapells (CAN)	Susan Small travel award winners
12:45	Mridula Sharma (AUS)	Congress summary
13:00	Suzanne Purdy (NZL)	IERASG general assembly: retirements and new council members, future IERASG Symposiums in 2025, 27...
13:15	Kristin Uhler (USA)	Invitation to the XXIX IERASG Symposium, June 2025, Boulder, Colorado (USA)
13:30	Martin Walger (DEU) and Suzanne Purdy (NZL)	closing remarks, farewell
13:45	End of the XXVIII IERASG Symposium	

