



## AANW Program 2024, Perth, Western Australia

### Official satellite Australian Neuroscience Society Meeting

8.30-9.30	Registration, coffee and tea
<b>9.30-10.45</b>	<b>Plenary session</b> <i>Session Chair: A/Prof Helmy Mulders</i>
9.30-9.45	Welcome
9.45-9.55	<b>A/Prof Jenny Rodger</b> <i>What is Brain Bee?</i>
9.55-10.45	<b>Plenary Lecture: Prof Ethan Scott</b> <i>Mapping entire auditory networks in zebrafish larvae</i>
<b>10.45-11.15</b>	<b>Morning tea</b>
<b>11.15-12.00</b>	<b>Session 1: Human studies</b> <i>Session Chairs: Dr Kelly Short and Dr Derek Delaney</i>
11.15-11.30	<b>Dr Hadeel Tarawneh</b> <i>Exploratory research into the effects of exercise, rhythm, and music on Central Auditory Processing Disorder in children</i>
11.30-11.45	<b>Emma Chaffey</b> <i>Novel psychoacoustic measure of spectral-temporal processing for discrete regions of the electrode-neural interface for cochlear implant users: a proof-of-concept study</i>
11.45-12.00	<b>Dr Anjula De Silva</b> <i>Bimodal EEG and fNIRS Measurement of Auditory Evoked Responses</i>

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12.00-12.40	<p><i>Chair: Dr Dan Brown</i></p> <p><b>Invited Presentation: E/Prof Alan Harvey</b></p> <p><i>The psychophysiological phenomenon that is music</i></p>
12.40-1.40	<b>Lunch</b>
1.40-2.55	<p><b>Session 2: <i>In vitro</i> studies</b></p> <p><i>Session Chairs: Dr Hadeel Tarawneh and Dr Anu Sabu</i></p>
1.40-1.55	<p><b>Dr Kelly Short</b></p> <p><i>Developing an inner ear cell-based model to assess drug candidates for their anti-fibrotic properties in vitro</i></p>
1.55-2.10	<p><b>Fiona Leith</b></p> <p><i>Usher syndrome type I patient-derived human induced pluripotent stem cell line characterised for use in preclinical inner ear organoid model</i></p>
2.10-2.25	<p><b>Joey Lye</b></p> <p><i>Modelling patient specific USH2A gene mutations associated Usher syndrome type II hearing loss</i></p>
2.25-2.40	<p><b>Dr Derek Delaney</b></p> <p><i>A human inner ear organoid drug screening platform</i></p>
2.40-2.55	<p><b>Mardi Gammon</b></p> <p><i>Neurotrophin therapy for cochlear synapse regeneration after excitotoxic trauma</i></p>
2.55-3.10	<p><b>Dr Corina Ionescu</b></p> <p><i>Nanocapsule delivery for the inner ear</i></p>
3.10-3.45	<b>Afternoon tea</b>

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<b>3.45-5.15</b>	<b>Session 3: Animal studies</b> <i>Session Chairs: Dr Anjula De Silva and Dr Corina Ionescu</i>
3.45-4.00	<b>Dr David Sly</b> <i>The effect of brain-derived neurotrophic factor and neurotrophin-3 on the auditory nerve response to cochlear implant stimulation</i>
4.00-4.15	<b>Kady Braack</b> <i>Anti-fibrotic drugs reduce the extent of cochlear implant-induced fibrosis in an in vivo guinea pig model of cochlear implantation</i>
4.15-4.30	<b>Dr Anu Sabu</b> <i>Studying the responses of auditory midbrain neurons to speech stimuli presented at different signal-to-noise ratios in cats</i>
4.30-4.45	<b>Sarah Kiloni</b> <i>Analogue optical stimulation for precise speech encoding</i>
4.45-5.00	<b>Steven Tran</b> <i>Characterisation of Osseous and Soft Tissue Microanatomy in the Ovine Cochlea</i>
5.00-5.15	<b>Jack Zimdahl</b> <i>Higher levels of anxiety are associated with tinnitus in a rat model</i>
5.15-5.25	<b>Closing of meeting</b>
5.25-6.00	Networking event and sundowner
6.00	Dinner

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