



Conference Program

Day 1, Monday 20 November 2023

8.00am - 9.30am	<p>Registration OGGB Level 0 foyer</p>				
9.30am - 10.45am	<p>Opening: Mihi (Hone Thorpe) & Welcome (IPFC & ASFB) Lecture Theatre 260-098 Plenary ASFB Travel Award Presentation-Emily Lester Investigating predator-prey interactions in coral reefs: how do insights from small scale experiments manifest over reef-wide scales? Lecture Theatre 260-098</p>				
10.45am - 11.15am	<p>Morning Tea OGGB Level 0+1 foyer</p>				
11.15am - 1.00pm	<p>1.1A Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes</p>	<p>1.2A Special Session 4 The evolution and ecology of fishes: assessing traits and functions in a changing world</p>	<p>1.3A Themed Session J Fisheries Management</p>	<p>1.4A Themed Session K General Session</p>	<p>1.5A Special Session 3 Building a better future for fish: a symposium on fish-friendly infrastructure</p>
	<p>Lecture Theatre 260-098 Session Chair: Tom Trnski</p>	<p>Lecture Theatre OGGB4 260-073 Session Chair: Christopher Hemingson</p>	<p>Fisher & Paykel Appliances Auditorium 260-115 Session Chair: Jonah Yick</p>	<p>Case Room 2 260-057 Session Chair: Armagan Sabetian</p>	<p>Case Room 3 260-055 Session Chair: Craig Boys & Rod Price</p>
11.15am	<p>3 Getting to the bottom of Indian gobioids Helen Larson</p>	<p>150 Fish on reefs: A new perspective David Bellwood</p>	<p>48 Global drivers of tropical marine herbivorous fish catches. Lucas Lutzenkirchen**</p>	<p>68 The effects of climate change on seafood nutritional quality Tanika Shalders**</p>	<p>44 New Learnings in Tidal Interface Fish Passage: Insights from a Cone Fishway at Manns Weir, Boyne River, Queensland Timothy Marsden</p>
11.30am	<p>25 Taxonomic revision of the genus <i>Stenogobius</i> (Teleostei: Gobioidae) from Indo-Pacific rivers Romain Causse</p>	<p>234 Assessing functional, morphological and phylogenetic composition in reef fishes to explore similarities in assembly rules among biogeographic systems Italo Fernández-Cisternas*</p>	<p>53 How much fisheries benefit can there be from blue carbon restoration projects? Vincent Raoult</p>	<p>74 Novel use of environmental DNA metabarcoding to assess impacts from a large-scale seismic survey on tropical fish communities Conrad Speed</p>	<p>66 Improving downstream fish passage at flood infrastructure with New Zealand's first Encased Archimedes Screw Pump, north Waikato, New Zealand Alicia Williams</p>
11.45am	<p>70 Updates on <i>Encheloclarias</i> (Siluriformes: Clariidae), an uncommon acid-water catfish Heok Hui Tan</p>	<p>528 Functional and Taxonomic Beta-Diversity of Freshwater Fishes across Northern Australia River Basins Osmar Luiz</p>	<p>59 Molecular Monitoring in Fisheries Management – Does it work? Madeline Green</p>	<p>77 The influence of oil and gas infrastructure on marine community structure, connectivity, and fish productivity: Bass Strait, south-east Australia Dianne McLean</p>	<p>79 Broad scale prioritisation of fish barriers across Aotearoa New Zealand Shad Mahlum</p>
12.00pm	<p>26 A DNA reference library for New Caledonian freshwater fish: challenges and prospects Marion Mennesson</p>	<p>132 The rise of dietary diversity in coral reef fishes Isabelle Ng**</p>	<p>72 The eradication of common carp from Tasmania Jonah Yick</p>	<p>118 Color patterning in anemonefishes Marleen Klann</p>	<p>287 A fish barrier remediation case study - Mona Vale rock riffle Mark Groves</p>
12.15pm	<p>90 A taxonomic review of central Indo-west Pacific lantern sharks (Etmopteridae: Etmopterus) Shing-Lai Ng**</p>	<p>344 Scavenger richness and functional diversity modify carrion consumption in the surf zone of ocean beaches Jesse Mosman*</p>	<p>73 Influence of distribution mapping sources on SAFE Ecological Risk Assessment vulnerability scores for deepwater chondrichthyans in the Southern Indian Ocean Krystle Keller</p>	<p>129 Elusive and Vulnerable: Evaluating the distribution of the Reef Manta (<i>Mobula alfredi</i>) around Oahu using Environmental DNA Grace Tuthill-Christensen*</p>	<p>396 Onwards and upwards – studies of climbing in <i>Galaxias brevipinnis</i> Eleanor Gee</p>
12.30pm	<p>148 New Australian and global maximum depth records for bony fish. Todd Bond</p>	<p>57 Identifying traits for inferring potential ecosystem functions of cryptobenthic reef fishes Lucia Pombo-Ayora*</p>	<p>224 Density effects on growth rates and fecundity of <i>Galaxias maculatus</i> in whitebait refuges Andrew Watson</p>	<p>135 Are parrotfishes the primary drivers of dead coral colony erosion? Juliano Morais**</p>	<p>448 Accounting for interspecies and intraspecies variation in swimming performance for fish passage solutions Rachel Crawford*</p>
12.45pm	<p>20 Taxonomic revision of the seahorse genus <i>Hippocampus</i> (Syngnathidae): hidden diversity in the pygmy seahorses Graham Short</p>	<p>Discussion</p>	<p>294 Environmental drivers of non-commercial reef fisheries in Guam Leilani Sablan</p>	<p>157 Life history traits of the honeycomb leatherjacket <i>Cantherhines pardalis</i> and the broom leatherjacket <i>Amanses scopas</i> (Monacanthidae) from the Solomon Islands Valerio Visconti</p>	<p>Fish Passage Discussion</p>
1.00pm - 2.00pm	<p>Lunch OGGB Level 0+1 foyer</p>				

	1.1B Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	1.2B Special Session 4 The evolution and ecology of fishes: assessing traits and functions in a changing world	1.3B Themed Session J Fisheries Management	1.4B Themed Session K General Session	1.5B Special Session 3 Building a better future for fish: a symposium on fish-friendly infrastructure
2.00pm - 4.15pm	Lecture Theatre 260-098 Session Chair: Nicholas Dunn	Lecture Theatre OGGB4 260-073 Session Chair: Christopher Hemingson	Fisher & Paykel Appliances Auditorium 260-115 Session Chair: Nicholas Ling	Case Room 2 260-057 Session Chair: Shaun Wilson	Case Room 3 260-055 Session Chair: Craig Boys & Rod Price
2.00pm	154 Diversity and Molecular Phylogeny of Congrid eels (Anguilliformes: Congridae) of Indian Waters Paramasivam Kodeeswaran*	437 Biological traits and their effect on individual-level processes and ecosystem-level functions Nina Schiettekatte	328 Digging Deeper: uncovering the social structure, population genetics and behaviour of a cryptic fisheries species, <i>Trypaea australiensis</i> Renae Kirby**	158 Ocean Genomes – A comprehensive high-quality reference genome library for marine vertebrates Lara Parata	42 Towards Australia's first design guidelines for fish protection screens: Insights from a flume-based study on native species Craig Boys
2.15pm	181 Describing the recognised: toward description of further <i>Galaxias</i> from New Zealand Nicholas Dunn	143 Functional traits to predict fish futures – Pandora's Box or Rosetta Stone? Robert Streit	358 Otolith morphological analysis: A method to validate observer species identification and fisheries bycatch management William Connor**	194 Regional patterns in demersal fish assemblages among subsea pipelines and natural habitats across north-west Australia Ronen Galaiduk	250 Laboratory-based comparison of screening materials for excluding New Zealand juvenile freshwater fishes Mike Hickford
2.30pm	211 Spine locking apparatus in vertical and paired fins of fishes from Japan Gento Shinohara	94 Evolutionary traits and ecological roles in herbivorous fishes on coral reefs Kendall Clements	362 Improving regional and temporal comparisons in fish life history Eva Schemmel	223 Understanding the void within: endocasts provide a new axis of morphological diversity for teleosts Rodrigo Figueroa*	128 Swimming performance of juvenile green sturgeon (<i>Acipenser medirostris</i>) in relation to water diversions Kelly Hannan
2.45pm	251 A novel phylogeny of Syngnathidae based on morphology (Teleostei: Syngnathiformes) Caio Dallevo-Gomes*	557 Food availability influences life history traits of a widespread herbivorous reef fish Andrew Hoey	367 Global shortfall in the management of major shark and ray fisheries Samantha Sherman	226 How well does recruitment predict abundance of adult letrhrids? Shaun Wilson	545 Initiatives to improve national guidance for water intake management to ensure safe passage for freshwater fish in New Zealand Adrian Meredith
3.00pm	568 Phylogenomics of lampreys and the evolution of diverse life history strategies Devin Bloom	50 Quantifying patterns versus processes in herbivorous fishes on Anthropocene coral reefs Sterling Tebbett	370 How low can we go? Targeted removal of exotic fish at lake Tomorata Nicholas Ling	296 Investigating methods to mitigate shark depredation in line-based fisheries in Queensland, Australia Jaeden Vardon*	43 The Design of Fish Screen Facilities at River Intakes – Lessons Learnt Paul Morgan
3.15pm	256 Systematics of the scorpionfish genus <i>Neomerinthe</i> Fowler, 1935 Tatsuya Matsumoto*	493 Plasticity in foraging behaviour of <i>Ctenochaetus striatus</i> linked to sedimentation, with implications for cryptic functional vulnerability Ryan McAndrews	389 The Ripple Effect of Predator Removal: Results from a five-year trout removal trial in a mountain stream Jason Lieschke	310 Stable Isotope Analysis Reveals Differential Niche Plasticity In Co-occurring Temperate Estuarine Fishes James Wong**	109 Fish screen performance at water diversions and irrigation pumps in the Murray Darling Basin and consequences for implementing screens Joachim Bretzel**
3.30pm	258 Multiple gene phylogeny challenges the current classification of the Indo-West Pacific sinistral flounders (Pleuronectiformes: Bothidae) Pakorn Tongboonkua*	110 Effects of ocean warming on fish community composition and species-specific dietary shifts Robert Lamb	403 Challenges of managing a charter fishery to an explicit catch limit Taylor Grosse	324 Glow in the dark party: new records and evolutionary implications of biofluorescence in deep-sea fishes Marcelo Melo	45 Lessons learnt from exclusion barrier use in protecting non-migratory galaxiid strongholds in New Zealand Sjaan Bowie
3.45pm	261 Systematics of the Indo-West Pacific anthiadids, with emphasis on the genus <i>Plectranthias</i> Bleeker, 1873 and their relatives (Perciformes: Anthiidae) Chi Ngai Tang*	Discussion		342 The ecological importance of ray bioturbation in a temperate estuary Molly Grew*	406 Enhancing adoption of modern fish-protection screens: insights from stakeholder engagement Rodney Price
4.00pm		Discussion		488 Introducing the Pacific Islands Region Acoustic Telemetry (PIRAT) Network Thomas Tin Han	Fish Screening and Barrier Discussion
4.15pm - 5.15pm	<i>Afternoon Tea OGGB Level 0+1 foyer</i>				
5.15pm - 6.30pm	Transport to Auckland Museum will be provided				
6.30pm - 8.00pm	Welcome Reception Auckland Museum Address: Parnell, Auckland 1010				
8.00pm	Day 1 concludes				

Day 2, Tuesday 21 November 2023

8.00am - 9.00am	Arrival Tea +Coffee OGGB Level 0+1 foyer				
9.00am - 10.00am	Housekeeping Keynote - Jenn Caselle Moving beyond movement - how insights from fish movements can inform effective conservation planning and fisheries management Lecture Theatre 260-098				
10.00am - 10.30am	Morning Tea OGGB Level 0+1 foyer				
10.30am - 12.30pm	2.1A Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	2.2A Special Session 4 The evolution and ecology of fishes: assessing traits and functions in a changing world	2.3A Themed Session B Ecology of Indo-Pacific Fishes	2.4A Themed Session F Conservation of Indo-Pacific fishes	2.5A Themed Session E Biology and Conservation of Sharks and Top-predators
	Lecture Theatre 260-098 Session Chair: Michael Hammer	Lecture Theatre OGGB4 260-073 Session Chair: Jennifer Donelson	Fisher & Paykel Appliances Auditorium 260-115 Session Chair: Gretchen Grammer	Lecture Theatre OGGB3 260-092 Session Chair: Mark Lintermans	Lecture Theatre OGGB5 260-051 Session Chair: Britt Finucci
10.30am	275 Taxonomic revision of the perciform genus <i>Acanthistius</i> (Günther 1859) with resolution of the identity of <i>Acanthistius paxtoni</i> Younis Menkara**	140 Over a century of global decline in the growth performance of marine fishes Helen Yan**	7 The effects of marine heatwaves on the physiology of a coral reef snapper Shannon McMahon	92 The implications of plastic pollution on seafood species Nina Wootton	2 Decomposing global trade in shark and ray meat Aaron MacNeil
10.45am	286 Sampling the undersampled: improving understanding of estuarine biodiversity in northern Australia Michael Hammer	19 Biological responses to climate change will reduce yields in tropical fisheries Brett Taylor	33 Growth aspects of <i>Mugil cephalus</i> Linnaeus, 1758 from Kilifi creek, Kenya Dorcus Sigana	141 Characteristics of a newly-discovered population of the critically endangered stocky galaxias Mark Lintermans	229 Estimating the Species Composition of Global Shark and Ray Fisheries Christopher Mull
11.00am	311 Goby spotting: Three new species descriptions and a revised guide to Indo-Pacific Gobioidon genus Courtney Hildebrandt**	269 Do all fish species have similar body size distributions and why does it matter? Freddie Heather	37 Transposable elements landscape of transgenerational plasticity to ocean acidification in reef fish Taewoo Ryu	178 Making a super seahorse: Optimising the husbandry of Endangered White's Seahorses, <i>Hippocampus whitei</i> , for the purpose of conservation stocking Mitchell Brennan**	304 From undervalued or ignored to luxury products – shark and ray skins in an expanding global market Rima Jabado
11.15am	322 Taxonomic review of the pipefish genus <i>Corythoichthys</i> Kaup, 1853 (Syngnathiformes: Syngnathidae) in the Pacific Ocean Daijiro Yuki*	549 Exploring patterns in the phenotypic diversity of individual growth across a fish species' range John Morrongiello	49 Contrasting habitat use and growth of two anguillid eels, <i>Anguilla marmorata</i> and <i>A. japonica</i> in sympatric subtropical rivers Yusuke Kumai*	192 Translating environmental DNA, validated citizen science data, and local knowledge of fishes into meaningful conservation action Joseph DiBattista	22 Global Correlates of Shark and Ray Meat Consumption Ana Barbosa Martins
11.30am	353 Environmental DNA primer selection for reef-associated and pelagic Indo-Pacific and Hawaiian fish species Van Wishingrad	279 Using colouration as a trait to study ecosystems and communities: a case study on coral reef fishes Christopher Hemingson	52 The influence of macroalgal biomass and thallus density on the recruitment of coral reef fishes Kelsey Webber*	197 Understanding effects of zoning on abundance and composition of fish assemblages across the southern Great Barrier Reef Virginia Gilliland*	363 The next generation of shark Red Listing Brittany Finucci
11.45am	423 Decoding morphological diversity in deep-sea spikefishes (Triacanthodidae: Tetraodontiformes): phylogenetics, genomics, and habitat associations Zach Heiple*	340 Ecology and evolution of a color polymorphism in two Paracirrhites hawkfishes Samuel Greaves*	54 Examination of the function and evolutionary process of cleaner fish mimicry Hajime Sato*	215 Dissemination of knowledge on freshwater fish in remote tropical islands. The example of research in the Solomon Islands Clara Lord	412 Whistle-stop tour of shark and ray biology, fisheries, policy and conservation in the Western Indian Ocean Rhett Bennett
12.00pm	595 Phylogenetic relationships of the New Zealand endemic clingfish Genus <i>Modicus</i> Hardy, 1893 (Teleostei, Gobiiesocidae) Kevin Conway	Discussion	104 Contrasting spatial distributions from baited and non-baited stereo video methods and their implications for ocean accounts and biodiversity reporting Gabrielle Cummins**	11 Ecological Assessment of the Siganid Fishery in Calapan City, Oriental Mindoro, Philippines Marius Panahon	416 Resharking leopards in Raja Ampat: a behind-the-scenes look at the StAR (<i>Stegostoma tigrinum</i> Augmentation and Recovery) project Nesha Ichida
12.15pm		Discussion	75 Suspended sediments and the physiology of a coral reef fish, <i>Amphiprion ocellaris</i> Johanna Johansson*		419 A century of shark fisheries and trade in India Zoya Tyabji*
12.30pm - 1.30pm	Lunch OGGB Level 0+1 foyer		ASFB Threatened Fishes Committee 260-040	ASFB FMC Committee Meeting 260-040B	ASFB Welfare Committee Meeting 260-057

1.30pm - 3.00pm	2.1B Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	2.2B Themed Session J Fisheries Management	2.3B Themed Session B Ecology of Indo-Pacific Fishes	2.4B Themed Session F Conservation of Indo-Pacific fishes	2.5B Themed Session E Biology and Conservation of Sharks and Top-predators
	Lecture Theatre 260-098	Lecture Theatre OGG4 260-073	Fisher & Paykel Appliances Auditorium 260-115	Lecture Theatre OGG3 260-092	Lecture Theatre OGG5 260-051
	Session Chair: Terry Donaldson	Session Chair: Brendan Hicks	Session Chair: Kendall Clements	Session Chair: Melita Samoily	Session Chair: Aaron MacNeil
1.30pm	498 An undescribed population of <i>Glyptothorax</i> from the Mekong River David Boyd	446 Whitebait: multiple species, fishing methods, values, measurements, and challenges Dave West	85 The escaping ability of juvenile eels via the predator's gill: developmental change and behavioral patterns of eels inside the predator Yuha Hasegawa*	295 Clean and oil-weathered microplastics impact in-situ behaviours and survival of juvenile coral reef fish (<i>Pomacentrus amboinensis</i>) Aneesa Delpachitra**	262 Developing Solutions to Mitigate Impacts of Fishing Trawlers on Elasmobranch, Sabah, Malaysia Kooi Chee Ho*
1.45pm	502 A decade of ichthyological research from Australia's Research Vessel Investigator John Pogonoski	453 Role of herbivorous reef fishes in resilience-based management Mary Donovan	96 Does nest-building glue secreted by the kidney of male stickleback attract females? Miki Nagaya*	314 Ngā Ika e Heke - Conserving migratory fish species in Aotearoa Marine Richarson	492 Shark activity is impacted by changing environmental conditions Adrienne Gooden**
2.00pm	537 New records of fishes from Rangitāhua/Kermadec Region Carl Struthers	472 Utilising natural tags to identify seafood provenance Rhiannon Van Eck**	55 A role for encrusting, endolithic sponges in the feeding of Indo-Pacific parrotfishes (Labridae, Scarini) Kendall Clements	336 Predatory and Large-bodied Fishes Depleted on Western Indian Ocean Coral Reefs Melita Samoily	115 Assessing mechanisms of vulnerability in sharks occupying different marine environments Sushmita Mukherji**
2.15pm	573 New and recent records of fishes from the Mariana Islands Terry Donaldson	491 Linking environmental knowledge and values on conservation actions Alexander Vaishampayan**	107 Beyond the shell: dissecting the underwhelming habitat function of giant clam for reef fishes Colin Wen	343 Conserving for complementarity: A functional approach to conservation Christopher Henderson	288 Putting sharks on the map: Identifying Important Shark and Ray Areas worldwide to inform marine spatial planning Emiliano Garcia-Rodriguez
2.30pm	582 Nine species in one: evidence of hidden species diversity in the Zambezi grunter (Siluriformes, Auchenoglanididae) in southern and south-central Africa Yonela Sithole	496 Engaging with First Nation people through Fisheries Management 101 Eliza Kimlin	111 Seabirds provide diverse benefits to coral reef fishes through cross-ecosystem nutrient subsidies Casey Benkwitt	380 Remote sensing in remote locations: A new approach to find and prioritise barriers to fish passage for conservation Hugh Allan**	270 Importance of the Mitchell River (Queensland, Australia) as habitat for freshwater sawfish <i>Pristis pristis</i> Barbara Wueringer
2.45pm	16 New insights on marine angelfish evolution from genome-scale data Lauriane Baraf**	497 Conservation of eels in New Zealand: response to reduction of invasive fish biomass Brendan Hicks	119 Migration and distribution patterns of freshwater gobies of the genus <i>Rhinogobius</i> in continental rivers and tropical island's streams Ken Maeda	402 Prohibiting spearfishing boosts conservation outcomes for partially protected areas April Hall	390 Isolated seamount reefs provide potential thermal refuges for reef sharks Ben Cresswell**
3.00pm - 3.30pm	<i>Afternoon Tea OGGB Level 0+1 foyer</i>				
3.30pm - 4.15pm	2.1C Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	2.2C Themed Session J Fisheries Management	2.3C Themed Session B Ecology of Indo-Pacific Fishes	2.4C Themed Session F Conservation of Indo-Pacific fishes	2.5C Themed Session E Biology and Conservation of Sharks and Top-predators
	Lecture Theatre 260-098	Lecture Theatre OGG4 260-073	Fisher & Paykel Appliances Auditorium 260-115	Lecture Theatre OGG3 260-092	Lecture Theatre OGG5 260-051
	Session Chair: Yi-Kai Tea	Session Chair: Jane Williamson	Session Chair: Michael Kingsford	Session Chair: Dave West	Session Chair: Rima Jabado
3.30pm	29 Why several when one can unite them all? Integrative taxonomic revision of Indo-Pacific freshwater pipefish (Nerophinae) Vincent Haÿ*	503 Determining species diversity and spatio-temporal distributions of larval fishes in Cockburn Sound, Western Australia Jake Nilsen	123 Molecular Pathways Underlying Cleaning Behaviour: a Study in the Wild Daniele Romeo*	421 Environmental DNA based insights of fish diversity associated to oil platforms in the Arabian Gulf Johan Mølgård Sørensen	318 Survival strategies reveal rarity of Naru eagle ray, <i>Aetobatus narutobiei</i> : Exploring new ecosystem conservation measures through top-down control of elasmobranchs Atsuko Yamaguchi
3.45pm	31 The genome of the spotted parrotfish provides evolutionary insight into the ecological adaptation of a keystone dietary specialist Yi-Kai Tea	523 Modernising large-scale surveys of sea cucumbers and other benthic species using towed Remote Operated Vehicles (ROVs) and Aerial Drones Jane Williamson	137 The effects of habitat connectivity and complexity on the distribution of inshore reef fish communities Alexander Jarrett**	456 Integrating thermal tolerance with population genetics to reveal the thermal landscape of a coral reef fish (<i>Acanthochromis polyacanthus</i>) Elliott Schmidt**	289 Internal organs and body tissues of free-swimming whale sharks (<i>Rhincodon typos</i>) imaged using underwater ultrasound Mark Meekan
4.00pm	32 Discovery of cryptic species complex within sand diver (<i>Limnichthys fasciatus</i>), and its evolutionary implication Yu-Jin Lee*		139 Soft corals contribute to a mosaic of habitats for fishes on coral reefs Michael Kingsford	506 Shortjaw kōkōpu distribution, population status and threats in the Northern South Island, New Zealand Anna Henderson	526 Denticle Hygiene: Examining the Viral Communities of Elasmobranch Skin Ryan Hesse**
4.15pm - 6.15pm	<i>Poster Function (Sponsored by Oceania Chondrichthyan Society) OGGB Level 0 foyer</i>				
6.15pm	<i>Day 2 Concludes</i>				

Day 3, Wednesday 22 November 2023

8.00am - 9.00am	<i>Arrival Tea +Coffee</i> OGGB Level 0+1 foyer				
Housekeeping					
9.00am - 10.00am	IPFC Bleeker Award - Systematics Lecture Theatre 260-098				
10.00am - 10.30am	<i>Morning Tea</i> OGGB Level 0+1 foyer				
	3.1A Themed Session A	3.2A Themed Session C	3.3A Themed Session B	3.4A Themed Session H	3.5A Themed Session E
10.30am - 12.30pm	Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	Fisheries and Aquaculture in the Indo-Pacific	Ecology of Indo-Pacific Fishes	Management of Barriers to Fish Movement	Biology and Conservation of Sharks and Top-predators
	Lecture Theatre 260-098	Lecture Theatre OGGB4 260-073	Fisher & Paykel Appliances Auditorium 260-115	Lecture Theatre OGGB3 260-092	Lecture Theatre OGGB5 260-051
	Session Chair: Travis Ingram	Session Chair: Leonardo Magnoni	Session Chair: Ivan Nagelkerken	Session Chair: Cindy Baker	Session Chair: Mark Meekan
10.30am	39 Fish using tools: Uncovering factors driving tool use evolution Juliette Tariel-Adam	114 Morphology and metabolic traits related to swimming in tāmure/Australasian snapper (<i>Chrysophrys auratus</i>) selected for fast growth Leonardo Magnoni	145 Pacific-wide distribution of reef fish contamination Noreen Wejieme*	196 Innovative approaches to fish passage: Harnessing the potential of Tube Fishways Jasmin Martino	35 The evolution of contemporary population structure in white sharks. A story of sea level change, food availability, movement and sex Gavin Naylor
10.45am	63 Look who's walking too: genomics and kinematics of ballitorid loaches can inform our understanding of the vertebrate transition to land Prosanta Chakrabarty	201 El Niño–Southern Oscillation causes shifts in the vertical distribution of Pacific pelagic fishes Juan Wang**	147 Ecological drivers and pigmentation changes underlying adult colour pattern formation in the anemonefish, <i>Amphiprion frenatus</i> Laurie Mitchell	413 The NZ Fish Passage Guidelines: Enabling evidence-based policy implementation Cindy Baker	193 Crossed saws: Evidence of hybridisation between Australian sawsharks Ryan Nevatte
11.00am	78 Mapping of global mitochondrial data brings new insights into taxonomy and species distribution of genus <i>Pampus</i> (Pelagiaria: Stromateidae) Jiehong Wei*	313 Evaluating the feasibility of sustainable seafood labelling programmes in Small Island Developing States: a pilot study in Seychelles Jessica Glass	168 How global and local stressors interact to impact coral reef mutualisms Theresa Rueger	509 The Impact of Green Tape on Barrier Remediation Projects: Lessons from Queensland, Australia Melinda Scanlon	408 Genetic stock structure of the silky shark <i>Carcharhinus falciformis</i> in the Indo-Pacific Ocean Chia Yun Li*
11.15am	105 How does environmental change affect the brain and behaviour in coral reef fishes? Celia Schunter	326 Effects of manipulating Kingfish (<i>Seriola lalandi</i>) routine oxygen demand and supply on ventricular and skeletal muscle mitochondrial function Alice Harford**	175 Predicting productivity in tropical seaweed-associated fish populations Chris Fulton	521 Larval competency and seascape context determines the influence offshore structure have on marine metapopulation dynamics Eric Tremli	253 The spatiotemporal patterns of young blacktip reef shark encounter-rates with predators inside 'nursery' areas Jake Edwards-ingle**
11.30am	125 Assembly rules of coral reef fish communities along the depth gradient Chancey MacDonald	341 Kiribati coral reef ecological indicators, small-scale fisheries, and climate resilience Jacob Eurich	185 Social hierarchy formation in the sex-changing New Zealand spotty wrasse (<i>Natolabrus celidotus</i>) Haylee Quertermous**	576 Isolation management to protect threatened native galaxiid fish species: lessons from Aotearoa New Zealand Martha Jolly*	247 Insights into the residency of oceanic manta rays at cleaning stations on coral reefs in the Bird's Head Seascape, Indonesia Edy Setyawan*
11.45am	131 The evolution of fast-growing coral reef fishes Alexandre Siqueira	395 Depleted striped trumpeter (<i>Latris lineata</i>) stocks and fisheries management in Tasmania Alyssa Marshall	186 Cleaner fish presence provides a 'safe-haven' from predation Jose Ricardo Paula	579 Modelling impacts of artificial barriers on riverine fish communities Lukian Adams**	151 Revealing the pattern of mangrove use by juvenile sharks and stingrays Shiori Kanno*
12.00pm	138 Dispersal and evolution in Chatham Island freshwater fish Travis Ingram	462 Swimming at increasing speed in steady and unsteady flows of Atlantic salmon: behaviour, oxygen consumption and overall dynamic body acceleration Wisdom Enyam Kodzo Agbeti**	190 Overlooked mortality in the longface emperor <i>Lethrinus longirostris</i> by the didymozoid parasite infection Tamaki Shimose	130 Fish passage monitoring and remediation in a highly modified New Zealand ecosystem Ryan Easton**	144 What's on the menu?: analysing stingray vomit shows species-specific resource partitioning within an intertidal nursery Jaelen Myers**
12.15pm			199 Fish assemblages reshuffle in response to resource alteration due to the indirect effects of climate change Ivan Nagelkerken		184 Impact of cattle disposal on tiger shark behaviour at Norfolk Island, Australia Jordan Matley
12.30pm - 2.30pm	<i>Lunch</i> OGGB Level 0+1 foyer			ASFB AGM Lecture Theatre OGGB3 260-092	IPFC Meeting 260-057

2.30pm - 3.30pm	3.1B Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	3.2B Themed Session C Fisheries and Aquaculture in the Indo-Pacific	3.3B Themed Session B Ecology of Indo-Pacific Fishes	3.4B Special Session 7 Fish and fishery data to inform marine sanctuary design and planning	3.5B Themed Session E Biology and Conservation of Sharks and Top-predators
	Lecture Theatre 260-098	Lecture Theatre OGGB4 260-073	Fisher & Paykel Appliances Auditorium 260-115	Lecture Theatre OGGB3 260-092	Lecture Theatre OGGB5 260-051
	Session Chair: Alexandre Siqueira	Session Chair: Katherine Cure	Session Chair: Gerry Cross	Session Chair: Jordan Goetze	Session Chair: Asia Armstrong
2.30pm	166 Fossil marine gobies Werner Schwarzhans	468 Using recreational squid jigging techniques to determine the distribution and abundance of southern calamari <i>Sepioteuthis australis</i> Daniel Yeoh	212 Nesting and reproductive behaviour of the sand-dwelling goby, <i>Hazeus ammophilus</i> (Gobiidae), which constructs a radially aligned ditches surrounded nest Hiroshi Kawase	369 Broad scale synthesis of fish, shark and ray data informs fully protected area design globally Jordan Goetze	373 What's on the menu? Elucidating the diet and habitat use of immature white sharks in eastern Australia using biochemical tracers Rebecca Lipscombe**
2.45pm	170 Evolutionary history of extant and fossil acanthuriforms and the genomic bases of trophic transitions Aintzane Santsaqueria*	487 Multiple lines of evidence suggest population structure in two small-bodied northern Australian sharks Amy Kirke*	217 Cleaner gobies' cognitive performance is linked with their ecology Maddalena Ranucci*	397 Identifying and conserving seascape nurseries on the Great Barrier Reef Andrew Olds	485 Multi-disciplinary approach reveals the role of sympatric benthic sharks linking pelagic and benthic food webs Patrick Burke*
3.00pm	172 Structural variation in clownfishes' adaptive radiation Anna Marconetti	580 Parenteral hormone administration induces spawning in redclaw, <i>Cherax quadricarinatus</i> Nur Un Nesa**	236 Diet variation of common smelt across a salinity gradient in coastal lakes on Rēkohu (Wharekauri, Chatham Island) Grace Fortune-Kelly*	134 A tool to evaluate the impact of sanctuary zone arrangements on recreational fishers in Western Australia Nicole Hamre*	349 Long-term incubation and successful delivery of lantern shark embryos using an artificial uterus Keiichi Sato
3.15pm	176 A novel phylogenomic hypothesis of Eupercaria, the new bush at the top Elizabeth Miller	285 Mangrove seascapes provide habitat connectivity in support of culturally important fisheries Katherine Cure	242 Big fish have big mouths: is snapper predation on urchins determined by mouth size? Jessica Marinovich*	239 Systematic Marine Protected Area Planning using MARXAN in New Zealand Naif Rushdi	102 Spot the difference: Using artificial intelligence on individual markings of manta rays to delineate global populations Asia Armstrong
3.30pm - 4.00pm	<i>Afternoon Tea OGGB Level 0+1 foyer</i>				
4.00pm - 6.00pm	3.1C Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	3.2C Themed Session K General Session	3.3C Themed Session B Ecology of Indo-Pacific Fishes	3.4C Special Session 7 Fish and fishery data to inform marine sanctuary design and planning	3.5C Themed Session E Biology and Conservation of Sharks and Top-predators
	Lecture Theatre 260-098	Lecture Theatre OGGB4 260-073	Fisher & Paykel Appliances Auditorium 260-115	Lecture Theatre OGGB3 260-092	Lecture Theatre OGGB5 260-051
	Session Chair: William Ludt	Session Chair: Jodie Rummer	Session Chair: Darren Parsons	Session Chair: Tim Langlois	Session Chair: Chris Mull
4.00pm	183 Unravelling the physiological, ecological, and genomic origins of endothermy in fishes Fernando Melendez Vazquez*	348 Remotely Operated Vehicle surveys reveal new mesophotic biodiversity in the Coral Sea Marine Park, Australia Gemma Galbraith	248 E Hānai 'Ai Ma Ka Muliwai: assessing the diets of forage fish in estuaries of Hawai'i using DNA metabarcoding Nakoa Goo*	273 Ecological variability increases the conservation impact of marine protected areas Nils Krueck	165 Reproductive biology of the Melbourne skate to inform fisheries management and conservation Bailee Woolley**
4.15pm	225 Habitat persistence? Phylogeography of mesophotic holocentrids reveals younger than expected populations Mykle Hoban	383 Spatiophylogenetic modelling of freshwater fish invasion potential Amy Tims	259 Phenotypic plasticity in Clark's Anemonefish <i>Amphiprion clarkii</i> pigmentation in response to host anemones Jann Zwahlen*	560 Transparency in Sanctuary Zone planning: attribute analysis informed by continental scale meta-analysis Tim Langlois	393 Coming of Age: The Life-history of School Sharks Alex Burton*
4.30pm	233 Diversity, distribution and evolution of colour patterns in three reef fish families Laurent Mittelheiser**	401 Towards adaptive management for the reintroduction of a wetland specialist fish Henry Wootton	263 Life history traits of the migratory river sculpin in small streams on Sado Island, northern Japan Midori Lida	543 The contribution of fish data to the last decade of conservation planning in South Africa Kaylee Smit*	159 The role of life cycles in temperature resilience and global billfish distributions Matthew Hammond**
4.45pm	244 Host use drives convergent evolution in clownfish and disentangles the mystery of an iconic adaptive radiation Nicolas Salamin	411 How can we motivate citizen scientists to help uncover the secrets of billfish? Laura Smith**	272 Movement and habitat use of Guam reef manta rays (<i>Mobula alfredi</i>) as revealed by satellite telemetry Julie Hartup	297 Exploring the potential benefits of partially protecting the ocean in Australia Genevieve Phillips	
5.00pm	257 Macroevolutionary patterns of diversity imbalance and persistence of depauperate lineages across fishes Isaac Trindade-Santos	445 Earliest of athletes: How changes in physiological performance over early ontogeny in coral reef fishes facilitates dispersal and connectivity Jodie Rummer	276 Spatial ecology and foraging behaviour of oceanic manta rays (<i>Mobula birostris</i>) in the Hauraki Gulf, Aotearoa New Zealand Tamsin Cooper*	540 Mainstreaming marine connectivity conservation to support Sustainable Development Goal 14 "Life Below Water" Luisa Fontoura	
5.15pm	260 Exploring the phylogeny and depth evolution of the Indo-West Pacific cusk eels and their relatives (Ophidiiformes: Ophidiidae) Man Kwan Wong*	459 New coral habitat expands trait options for expatriating coral-reef fishes in temperate SE Australia David Booth	508 Drivers of parrotfish feeding and bioerosion along an offshore reef slope on the Great Barrier Reef Hannah Allan**	442 Social and economic dimensions of Australia's no-take marine sanctuaries Matthew Navarro	
5.30pm	300 Resolving the evolutionary relationships of the order Centrarchiformes using genomic data and dense taxonomic sampling William Ludt	460 How long before an estuary benefits from habitat repair? Vincent Raoult	525 Ecology of tropical reef based clupeiforms affects genomic population structure Kynan Hartog-Burnett**	Discussion	
5.45pm			577 Herbivores in the Hot-Seat: Resilience of <i>Acanthurus triostegus</i> functions to ocean warming Taylor Souza*	Discussion	
6.00pm - 7.00pm	Student Networking Event <i>(Sponsored by Fisheries Research and Development Corporation)</i> OGGB Level 1 Foyer + Superfino Café				
7.00pm - 8.30pm	Student Networking Event <i>(Sponsored by Fisheries Research and Development Corporation)</i> OGGB Level 1 Foyer + Superfino Café				
8.30pm	<i>Day 3 Concludes</i>				

Day 4, Thursday 23 November 2023

8.00am - 9.00am	Arrival Tea +Coffee OGGB Level 0+1 foyer				
9.00am - 10.00am	Housekeeping IPFC Bleeker Award - Ecology Lecture Theatre 260-098				
10.00am-10.30am	Morning Tea OGGB Level 0+1 foyer				
10.30am - 12.30pm	4.1A Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	4.2A Special Session 2 Facing environmental changes: what are the genetic and epigenetic mechanisms providing resilience in fishes?	4.3A Themed Session B Ecology of Indo-Pacific Fishes	4.4A Themed Session I Novel Methods and Techniques Advancing our Understanding of Fish Biology	4.5A Special Session 5 Larval fishes - solving phylogenetic, life-cycle and ecological questions
	Lecture Theatre 260-098 Session Chair: Gerry Closs	Lecture Theatre OGGB4 260-073 Session Chair: Lucrezia Bonzi	Fisher & Paykel Appliances Auditorium 260-115 Session Chair: Joel Williams	Lecture Theatre OGGB3 260-092 Session Chair: Aimee van der Reis	Lecture Theatre OGGB5 260-051 Session Chair: Jeff Leis
	10.30am	305 Don't Wanna Be Your Bony Wrench: phylogenetic inferences from skeletal morphology of dwarf gobies, genus <i>Eviota</i> (Gobiidae), and other coral-reef gobies Diego Francisco Biston Vaz	177 Responses of tropical damselfishes to ocean warming and habitat degradation Moises Bernal	282 Drivers of fish assemblage structure across a 100-meter depth gradient in the tropical western Pacific Logen Flem*	67 The contribution of mitochondria to thermal resilience in the endemic triplefins of New Zealand Breana Riordan**
10.45am	350 Introggression landscape from a ghost extinct lineage in the genome of the coastal intertidal goby in Japan Shuya Kato*	87 Epigenomic responses to temperature in snapper (<i>Chrysophrys auratus</i>) Maren Wellenreuther	292 Fine-scale bathymetry data explains variability fish assemblage structure of temperate mesophotic reefs in the Hunter Marine Park Joel Williams	86 Asynchrony of intra-specific growth responses to climate and environmental variables along a latitudinal gradient in a coral-reef fish Erin Reed	368 Can DNA-metabarcoding of multi-species samples from routine egg surveys be used to monitor the ichthyoplankton assemblage? Gretchen Grammer
11.00am	356 Geographical barriers and secondary contact shape the phylogeography of a widespread Indo-West Pacific reef fish, the banded sergeant <i>Abudefduf septemfasciatus</i> Ling-Lan Hsu*	268 Short-term plasticity of an anemonefish (<i>Amphiprion ocellaris</i>) visual system in response to anthropogenic changes to the light environment. Abigail Shaughnessy*	299 Submarine groundwater discharge drives changes in reef fish community structure and function Maya Zeff*	559 The benefits of multiple methods to survey deep reef fish assemblages: comparison of stereo panoramic drop-camera systems with baited video Charlotte Aston*	103 Larvae of three species of the Genus <i>Plectranthias</i> (Serranidae: Anthiadae) with characteristic pigment patterns Yoshinobu Konishi
11.15am	361 Morphological diversity of the oralures of Stargazers (Uranoscopidae: Uranoscopus) Leo MacLeod*	61 Physiological and Transcriptomic Response of Early-Life Stage Clownfish to Future Ocean Warming Billy Moore*	306 How water flow and reef structure shape the world of fishes Casey Bowden**	99 Can we improve reef fish surveys for reliable diversity assessments? Cher Chow*	46 The identification of flathead larvae (F. Platycephalidae) and their seasonal and spatial distribution off south-eastern Australia Tony Miskiewicz
11.30am	365 Three-dimensional morphometric data reveals patterns of integration and disparity in fossil and extant tetraodontiform fishes Emily Troyer*	24 Gut microbiome and host molecular response of Malabar grouper (<i>Epinephelus malabaricus</i>) exposed to marine heatwaves Roger Huerlimann	309 Predators and habitat association of post-settlement snapper (<i>Chrysophrys auratus</i>) Darren Parsons	136 Use of eye lens stable isotopes to recreate resource-use chronologies in three New Zealand reef fishes Joseph Curtis**	62 Oceanic larval fish assemblages in the south-east Indian Ocean Lynnath Beckley
11.45am	376 Functional beta diversity of New Zealand fishes: Characterising morphological turnover along depth and latitude gradients, with derivation of functional bioregions Elisabeth Myers	515 Heavy metal and antimicrobial resistance in benthic shark microbiomes Emma Kerr*	319 Understanding thermal preferences and movement patterns of trawl whiting (<i>Sillago</i> sp) using otolith oxygen isotopes Melissa Tan**	203 Methodological concerns with the use of DNA metabarcoding to investigate parrotfish diets Aimee van der Reis	517 Ichthyoplankton diversity and distribution in the Straits of Singapore Zeehan Jaafar
12.00pm	381 New hadal snailfish species represents an independent radiation of vertebrates into the hadal zone Thom Linley	544 Epigenetic sequencing to explore environmentally-driven plastic and adaptive responses across fish populations Floriaan Devloo-Delva	320 Exploring the drivers of growth synchrony within and among coral reef fishes across the Pacific Emily Fobert	127 Comparison of two methods for determining the temperature preference of <i>tāmure</i> /Australasian (<i>Chrysophrys auratus</i>) Selwyn Collins*	106 The food sources of Anguilliformes leptocephali in the Kuroshio Current and adjacent waters Gen Kume
12.15pm	382 Chasing the Unknown: Cavefishes Yahui Zhao	65 Shrinking fishes on the world's hottest coral reefs Jacob Johansen	330 The effect of group size on mating system and sexual pattern of red-belted anthias, <i>Pseudanthias rubrizonatus</i> , Kagoshima Bay, Japan Emma Moritoshi*	142 Coral reef fish, hormones and metamorphosis: a tale of adaptation Vincent Laudet	476 Life in the fast lane: revisiting the fast growth – high survival paradigm during the early life stages of fishes Dominique Robert
12.30pm - 1.30pm	Lunch OGGB Level 0+1 foyer				

1.30pm - 3.00pm	4.1B Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	4.2B Special Session 2 Facing environmental changes: what are the genetic and epigenetic mechanisms providing resilience in fishes?	4.3B Themed Session B Ecology of Indo-Pacific Fishes	4.4B Themed Session I Novel Methods and Techniques Advancing our Understanding of Fish Biology	4.5B Special Session 5 Larval fishes - solving phylogenetic, life-cycle and ecological questions
	Lecture Theatre 260-098	Lecture Theatre OGGB4 260-073	Fisher & Paykel Appliances Auditorium 260-115	Lecture Theatre OGGB3 260-092	Lecture Theatre OGGB5 260-051
	Session Chair: Luiz Rocha	Session Chair: Moises Bernal	Session Chair: Wei-Chuan Chiang	Session Chair: Tiffany Sih	Session Chair: Lynnath Beckley
1.30pm	384 The genomics of the <i>Dascyllus trimaculatus</i> species complex Giacomo Bernardi	191 The epigenetic landscape of coral reef fish acclimation and adaptation to climate change Timothy Ravasi	337 The feeding kinematics of a surgeonfish (<i>Acanthurus leucosternon</i>) and the associated functional implications Michalis Mihalitsis	204 Interspecific and intraspecific difference in egg size of two mackerel species <i>Scomber</i> spp. in the western North Pacific Mikio Watai	14 Marine reserves supply half of the larvae to a coral reef fishery Jeffrey Leis
1.45pm	398 Multiple hybrid zones of coastal marine gobies around the Japanese archipelago: natural laboratories for marine hybridization Shotaro Hirase	210 MicroRNAs and thermal transgenerational plasticity in a coral reef fish Lucrezia Celeste Bonzi	339 Thermal environment mediates density-dependent effects on the growth of a commercially harvested fish Joshua Barrow	245 FishBase 33 years after: status and current development on life-traits Nicolas Bailly	36 How do larval reef fishes find reefs and the right settlement sites on them? Peter Sale
2.00pm	414 Widespread genetic population structure in sea chubs (Kyphosidae) Steen Knudsen	76 Utilizing natural analogs of future oceans to study the adaptive potential of fish communities to climate change Michael Izumiya*	346 The mystery of shortjaw kōkopu (<i>Galaxias postvectis</i>) spawning ecology on the West Coast Suze Harris	281 Otolith morphometry and FT-NIR spectroscopy as tools to discriminate archived otoliths of cryptic species, <i>Etelis carbunculus</i> and <i>Etelis boweni</i> Kristen Dahl	153 A transcriptome insight during larval settlement of a coral-reef fish Marcela Herrera Sarrias
2.15pm	415 Global biogeography of ecological specialization in coral reef fishes Zoe Deleclambre*	84 Fish in natural CO2 seeps imply core transcriptional regulations for ocean acidification acclimation Jingliang Kang	355 How do temperature impacts on growth and mortality shape fish size distributions and why does it matter? Sarah Willington**	288 Reducing taxonomic lag via convolutional neural nets Tiffany Sih	Discussion
2.30pm	424 Comparative genomics and transcriptomic analysis of a bioluminescent cardinalfish sheds light on the evolution of microbial symbiosis Alison Gould	483 The molecular mechanisms underlying environmental resilience Sheri Johnson	374 How do cryptic goby species fare in a changing environment? Selma Klanten	298 Anatomy of adaptation: exploring the internal structure of locomotor fins in the terrestrial mudskipper, <i>Periophthalmus argentilineatus</i> , using contrast-enhanced μ CT Fabienne Ziadi-Künzli	Discussion
2.45pm	427 Taxonomy, phylogenetic affinities, and conservation of recently discovered mesophotic fishes Luiz Rocha	Facing Environmental Change: Discussion	377 Goby social mixers: mixed-species group formation in a model marine system (genus <i>Gobiodon</i>) and the potential impacts of habitat degradation Marian Wong		Discussion
3.00pm - 3.30pm	<i>Afternoon Tea OGGB Level 0+1 foyer</i>				
3.30pm - 5.15pm	4.1C Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	4.2C Special Session 8 Fish sensory ecology: new techniques and approaches	4.3C Themed Session B Ecology of Indo-Pacific Fishes	4.4C Themed Session I Novel Methods and Techniques Advancing our Understanding of Fish Biology	4.5C Themed Session K General Session
	Lecture Theatre 260-098	Lecture Theatre OGGB4 260-073	Fisher & Paykel Appliances Auditorium 260-115	Lecture Theatre OGGB3 260-092	Lecture Theatre OGGB5 260-051
	Session Chair: Richard Coleman	Session Chair: Lucille Chapuis	Session Chair: Simon Brandl	Session Chair: Tony Hickey	Session Chair: Krystle Keller
3.30pm	429 Fish species radiations in the sea: what the flock? Brian Bowen	83 How active is the brain in elevated temperature? Brain imaging of larval fishes responding to olfactory cues Jade Sourisse*	378 Local habitat composition and complexity outweigh seascape effects on fish distributions across a tropical seascape Molly Moustaka**	335 Metabolomics and lipidomics: 'the last piece of the omic puzzle' Sara Heim*	484 Seeing through mud – Using mobile hydroacoustic sonar to monitor environmental watering outcomes Sam Lewis
3.45pm	431 Phylogeography of the sabertooth blenny genus <i>Plagiotremus</i> with special consideration of Hawaiian endemics Cameron Walsh*	40 Using the latest technology to understand fish inner ear diversity Lucille Chapuis	410 Identifying impacts and drivers of fish assemblages over multiple scales in coastal ecosystems Lucy Goodridge-Gaines**	364 Mitochondrial thermo-tolerance in two Indo-Pacific anoxia-tolerant sharks Jules Devaux	495 A preliminary assessment of the distribution of small pelagic fish within Cockburn Sound using acoustic methods Peter Mitchell
4.00pm	435 Genomic assessment of an endemic Hawaiian surgeonfish, <i>Acanthurus triostegus sandvicensis</i> , reveals high levels of connectivity and fine-scale population structure Richard Coleman	584 What inner ear anatomy can tell us about hearing in elasmobranchs Craig Radford	422 Investigating shortfin mako migratory patterns through an integrative data approach Colby Kresge*	391 Reef Song: an ecosystem-based approach to enhancing reef resilience and restoration. Rohan Brooker	512 The enduring legacy of the Australian Museum Ichthyology Collection: scientific progress, international influence, and pub trivia Amanda Hay
4.15pm	449 Genome-wide SNP discovery and phylogeography of Pacific sand lance (<i>Ammodytes heian</i> and <i>Ammodytes japonicus</i>) using MIG-seq: Implications for evolution Jin-Koo Kim	15 Comparison of hearing abilities in three species of sharks Carolin Nieder*	426 The role of small fishes for coral reef energy and nutrient fluxes: a tale of two theories Simon Brandl	394 Otolith chemistry improves age estimation and reveals movement history of catadromous barramundi (<i>Lates calcarifer</i>) Nut Munpholsri**	556 Pelagic marine fish eggs from Korean waters revealed by morphology and metabarcoding analysis Haeyoung Choi
4.30pm	471 The evolution of stripe patterning in clownfishes Lucy Fitzgerald*	535 Seeing the world through the eyes of coral reef fishes Fabio Cortesi	436 Local and regional environmental drivers of growth in <i>Lutjanus erythropterus</i> in Western Australia Muhammad Faiq Saleh	327 Measuring thermal limits of fish heart mitochondria in a shoestring-lockdown project Tony Hickey	571 The success of spiny-rayed fishes in the deep-pelagic ocean discovered using a large midwater trawl April Cook
4.45pm	481 The Cenozoic collapse of the West Tethyan biodiversity hotspot: a test using the fish otolith fossil record Hadeel Saad*	404 Novel molecular methods to investigate vision in coral reef fishes Valerio Tettamanti**	555 Chronic oxygen loss but not warming increase dishonesty in cleaner wrasses Beatriz P Pereira*	490 eDNA and compound specific stable isotopes reveal diet specialization and overlap in co-occurring parrotfishes of the Gulf of California Dave Carlton	
5.00pm	486 Evolution of substrate use across global assemblages of the goatfishes (Family Mullidae) Chloe Nash	Discussion	522 Reconstructing long-term growth of deep-water snappers throughout the Indo-Pacific using otolith chronologies Joseph Widdrington**		
5.15pm	<i>Day 4 Concludes</i>				

Day 5, Friday 24 November 2023

8.00am - 9.00am	Arrival Tea +Coffee OGGB Level 0+1 foyer				
9.00am - 10.00am	Housekeeping K. Radway Allen Award Plenary - Tony Smith Fishery harvest strategies in a dynamic and complex world Lecture Theatre 260-098				
10.00am - 10.30am	Morning Tea OGGB Level 0+1 foyer				
10.30am - 12.30pm	5.1A Themed Session A Evolution, Taxonomy and Biogeography of Indo-Pacific Fishes	5.2A Special Session 1 Moving beyond home-ranges: how can we harness fish movement ecology to study, understand and manage ecosystem functioning?	5.3A Themed Session B Ecology of Indo-Pacific Fishes	5.4A Themed Session G Long Term Monitoring of Indo-Pacific Fishes	5.5A Special Session 9 Fisheries and the Potential of Artificial Intelligence and Machine Learning for Improving Sustainability Outcomes
	Lecture Theatre 260-098 Session Chair: Chris Goatley	Lecture Theatre OGGGB4 260-073 Session Chair: Renato Morais & Robert Streit	Fisher & Paykel Appliances Auditorium 260-115 Session Chair: Jenni Donalson	Lecture Theatre OGGB3 260-092 Session Chair: Lenore Litherland	Lecture Theatre OGGB5 260-051 Session Chair: Geoff Tuck
10.30am	516 Inconsistent patterns of phenotypic evolution among canonical 'living fossil' lineages Rafael A. Rivero-Vega*	587 Assessing ecosystem functioning through 3D AI-enhanced fish tracking: A Red Sea case study Julian Likendey	455 Host sharing and territorial aggression in anemonefishes: investigating the formation of mixed-species groups around Lizard Island, GBR Carl Santiago*	113 Interviewing anglers to understand changing catch composition in the 100-year-old east coast marlin fishery Tristan Guillemin*	329 Technical and operational development of MLAI technology for application to electronic monitoring in marine fisheries Richard Little
10.45am	548 A new species of eight-gilled hagfish (Agnatha, Myxinidae) based on imported fish specimens Young-Sun Song	100 Deriving energy landscapes from stereo-video: Investigating the 3D trajectories of butterflyfishes on a coral reef with a turbidity gradient Emily Jupp*	458 Phenotypic change to varying thermal experience within and across generations Jenni Donelson	116 Informing management with bioregional maps of benthic and fish assemblages from standardised stereo-video data Claude Spencer	267 Using AI to monitor recreational fish catch Culum Brown
11.00am	558 The marine origins of freshwater osteoglossid bonytongues (arowanans and arapaimas) Alessio Capobianco	464 Integrating movement data and behavioural observations to assess the functional role of reef fishes Pauline Narvaez	475 Herbivore communities through the lens of ecological processes across Pacific coral reefs Tye Kindinger	206 CheckEM: an open-source tool for quality control and visualisation of stereo-video fish and benthic annotations Brooke Gibbons	420 Attention-guided counting of seabirds in the wild for compliance of conservation Muhammad Saqid
11.15am	565 The diversity, evolution and ecological importance of dwarfgobies (<i>Eviota</i>) Christopher Goatley	198 Aquatic parasites in a changing world: emerging threats to fisheries resources Shokoofeh Shamsi	477 Varying importance of environmental variables on tropical snapper growth from the equatorial Indo-Pacific region Zhong Wang Clement Ng**	352 Meta-analysis reveals weak associations between reef fishes and corals Pooventhran Muruga**	21 Application of an electronic monitoring system and artificial intelligence data analysis in a small-scale tuna fishery Ahmad Catur Widyatmoko*
11.30am	567 Century-old museum and modern fish specimens reveal temporal loss of adaptive potential and connectivity changes in the marine biodiversity epicenter Eric Garcia	117 Small coral reef fishes with large ecological footprints William Collins**	482 High vulnerability of coral reef food web and energy fluxes to global change Emma Paul Costesec*	443 Megafauna models: fine-tuning established morphometric equations through citizen science data Veronika Biskis**	Discussion
11.45am	254 Deep-sea explorations Wei-Jen Chen	541 Nearshore habitat utilization and movement of Hawaiian bonefish (<i>Albula glossodonta</i>) on the reef flats of Moloka'i. Brad Smith	489 Long-term trends in coastal catch of pelagic rays along eastern Australia Alysha Chan**	321 Challenges and opportunities in evaluating fish community composition for reefs under restoration at unprecedented scales Pedro Pereira	69 Exploring the capabilities and limitations of AI in developmental stage categorization and length extraction from images of tropical fishes Alexandru Mihai
12.00pm	569 Integrating molecular phylogenies and fossils without a morphological matrix to investigate patterns of trait evolution: A case study using Carangaria Lindsey DeHaan*	302 Reef fish community shifts in the Kuroshio Current region over 10-15 years under ocean warming Masaaki Sato	499 Spatiotemporal drivers of parrotfish distribution around Moorea, French Polynesia indicate algal resources influence ontogenetic habitat shifts of parrotfishes Noe Castaneda*	334 Safeguarding the threatened: the status of shallow reef species from temperate to tropical Australia Olivia Johnson**	504 Integrating computer vision into the collection of fish measurement data for stock assessment David Middleton
12.15pm	290 Resurrection and redescription of nominal species previously regarded as synonyms of <i>Setipinna tenuifilis</i> (Valenciennes, 1848) Harutaka Hata	6 Long-term biodiversity monitoring reveals few polewards shifts in Australian shallow water reef species Yann Herrera Fuchs*		338 The influence of MPAs, reef habitat, and human population on changes in fish diversity in the center of marine diversity John Whalen*	Discussion
12.30pm - 1.30pm	Lunch OGGB Level 0+1 foyer				

	5.1B Themed Session K General Session	5.2B Special Session 1 Moving beyond home-ranges: how can we harness fish movement ecology to study, understand and manage ecosystem functioning?	5.3B Themed Session B Ecology of Indo-Pacific Fishes	5.4B Themed Session G Long Term Monitoring of Indo-Pacific Fishes	5.5B Special Session 9 Fisheries and the Potential of Artificial Intelligence and Machine Learning for Improving Sustainability Outcomes
	Lecture Theatre 260-098	Lecture Theatre OGGB4 260-073	Fisher & Paykel Appliances Auditorium 260-115	Lecture Theatre OGGB3 260-092	Lecture Theatre OGGB5 260-051
	Session Chair: Gerry Closs	Session Chair: Renato Morais & Robert Streit	Session Chair: Eva McClure	Session Chair: Maya Srinivasan	Session Chair: Richard Little
1.30pm - 3.00pm	41 Reservoirs facilitate colonization of river catchments by invasive fish through provision of pelagic larval rearing habitat Gerard Closs	325 Exploring movement patterns of coastal reef fishes: insights for management and conservation Alejandro Perez Matus	529 Animal biomass on Earth's ecosystems: are coral reefs any special? Renato Morais	347 Optimising and sustaining an integrated biological monitoring program for fisheries in Queensland waters: Focus on Fish and Sharks Lenore Litherland	572 Biology guided neural networks and applications of machine learning techniques on specimen images gathered from fish collections Yasin Bakır
1.30pm	524 Engaging with recreational fishers to improve aquatic habitat restoration Geoff Collins	60 Unveiling movement patterns across habitats and time: insights from continuous otolith microchemistry data Armagan Sabetian	542 Does habitat and continental shelf position influence reef fish assemblage response to major disturbance? Eva McClure	266 Environmental DNA in practice: calibrating methods across labs and marine parks Maarten De Brauwer	400 Using deep learning to automate the detection of seabird bycatch and bird scaring lines on fishing vessels Geoff Tuck
1.45pm	531 Using empirical data to validate and update population models: a case study using a model for Golden Perch Henry Wootton	539 Movements of tiger sharks at a remote Northwestern Hawaiian Island are strongly influenced by prey availability Bradley Wetherbee	463 The dark side of the reef: the missing contribution of nocturnal species and biomass to shallow reef communities Tyson Jones**	366 Integrated Reef Fish Monitoring of the Great Barrier Reef Mike Emslie	Discussion
2.00pm	538 The successive evolution of giant marine filter-feeders over macroevolutionary time Lauren Sallan	552 Movement behaviour of swordfish provisions connectivity between the temperate and tropical southwest Pacific Ocean Barrett Wolfe		278 Optimising coastal fish monitoring and reporting through predicted versus observed abundance models Ben Gilby	Discussion
2.15pm	570 Why have Mesopelagic Boundary Communities only been documented off Hawaii? Likely cosmopolitanism of mesopelagic associations with landmasses and their importance Tracey Sutton	56 Spawning migration and habitat use of adult Pacific bluefin tuna (<i>Thunnus orientalis</i>) in the northwestern Pacific Ocean Wei Chuan Chiang		451 Long term monitoring of fish and benthic communities on inshore island fringing reefs in the Great Barrier Reef Marine Park Maya Srinivasan	Discussion
2.30pm		249 Wandering the ocean: movements of an oceanic manta ray satellite tracked for 10 months in the Southwest Pacific Mark Erdmann			Discussion
2.45pm					
3.00pm - 3.30pm	<i>Afternoon Tea OGGB Level 0+1 foyer</i>				
3.30pm - 4.30pm	Conference Closing Lecture Theatre 260-098				
4.30pm - 6.00pm					
6.00pm - 11.00pm	Conference Dinner Pullman Hotel Address: Corner Waterloo Quadrant &, Princes Street, Auckland 1010, New Zealand				
11.00pm	Conference Concludes				

* Student

**ASFB student member