



South Pacific Underwater Medicine Society

ANNUAL SCIENTIFIC MEETING JUNE 4TH- 9TH 2023

Diver health and ocean health amid the storm clouds of climate change

CONFERENCE STREAMS AND PRESENTATIONS

Keynote speakers Prof Ove Hoegh-Guldberg and Prof Craig Johnson are internationally recognised experts in marine science

Invited speaker Prof Jamie Seymour is a world expert in the field of jellyfish envenomation and dangerous marine animals

Australian diving and marine medicine experts will be presenting

CONFERENCE TOPICS

Global effects of climate change on ocean health - coral reefs and temperate environments

Medical consequences of climate change

Novel solutions to the impacts of climate change on the ocean environment

Marine envenomation and dangerous marine creatures

Marine food poisons and their hazards to health

Diving deaths

Children and Diving – health and medical emergencies

SPUMS Position statement on Paediatric Diving

Synergies between marine science and underwater medicine

Free paper streams – diver health and safety issues

SPUMS ASM PROGRAM 2023 AT A GLANCE (16th MAY 2023 Update)

Sat June 3	Sun June 4	Mon June 5	Tue June 6	Wed June 7	Thu June 8	Fri June 9
Delegate Travel and arrival Cairns SPUMS ExCom Meeting 0900-1200	08:30 AM Registration 9:00–12:30 Keynotes Conference opening Sessions 1 & 2	08:30 AM Registration 9:00–12:45 Keynotes + Marine Hazards Sessions 5 & 6	07:15 AM PICKUP FROM RILEY HOTEL Interpretive science and Dreamtime Expedition to GBR	07:15 AM PICKUP FROM RILEY HOTEL Interpretive science expeditions and practical scuba diving workshops***	9:00–12:00 Workshop: SPUMS position statement SPUMS: Children and diving Sessions 9 & 10	07 :15 AM PICKUP FROM RILEY HOTEL Interpretive science expeditions and practical scuba diving Workshops***
LUNCH 1230-1330	LUNCH 1230-1330	LUNCH 1245-1345	Experience.co pontoon Included for all delegates with full registration/guest registration B	All day field trip DETAILS PROVIDED AT CONFERNECE	12:00 SPUMS AGM	All day field trip DETAILS PROVIDED AT CONFERENCE
1400-1700 Conference Registration at Crystal Brook Riley Hotel	13:30– 17:30 Free paper Conference Sessions 3 & 4	13:45– 17:20 Marine Hazards and Free Papers Sessions 7 & 8	All day field trip Workshop Medicine, Marine Science and Shared Vision (Snorkeling included) Practical scuba diving workshops***		LUNCH 1300-1400	
1900-2200 Welcome Cocktail Party Cairns Aquarium Delegates and Guest registration B Dress smart casual	Free Evening	Sunset function for Delegates and Guest registration B Dress smart casual	Free Evening	Free Evening	1830-2300 Conference Gala Dinner Tropical Riley Hotel Delegates and Guest registration B Dress MARINE TROPICAL colourful	Conference Close Free evening

Scientific Program Saturday 3rd and Sunday June 4th 2023

Saturday June 3 rd 1400-1700	Conference Registration (Crystal Brook Riley Hotel)	
Saturday June 3 rd 1900-2200	CONFERENCE OPENING COCKTAIL PARTY CAIRNS AQUARIUM Dress: Smart Casual	
Sunday June 4 th 0830	REGISTRATION AND COFFEE	
SESSIONS 1 AND 2	THEME - OCEAN IMPACTS OF CLIMATE CHANGE	
Time	Speaker	Presentation Title
0845 – 0900	David Smart	Introduction and welcome
0900 – 1000 Includes 10 minutes for questions	Prof Ove Hoegh-Guldberg KEYNOTE ADDRESS	Climate change and the ocean: past, present, and future.
1000-1030	MORNING TEA	
1030-1130 Includes 10 minutes for questions	Prof Craig Johnson KEYNOTE ADDRESS	Climate change impacts on Australia's Great Southern Reef (GSR)
1130-1200	Sarah Lockley	Medical Consequences of climate change – an overview
1200-1230	Susannah Sherlock and Niamh Reid	Reef Resilience – who is responsible?
1230-1330	LUNCH	
SESSION 3	FREE PAPERS	
1330-1400	Martin Sayer	Can monitoring divers' decompression inform changes in ocean health?
1400-1420	Jeremy Mason SPUMS DipDHM Project (ADSF Scholarship)	A retrospective review of divers treated for inner ear decompression sickness at Fiona Stanley Hospital Hyperbaric Medicine Unit 2014–2020
1420-1440	Darren Meehan SPUMS DipDHM Project (ADSF Scholarship)	Determining best practice for technical assessment of hookah surface supply diving equipment during diving fatality investigation
1440-1500	Graham Stevens SPUMS DipDHM Project (ADSF Scholarship)	The influence of wet suit thickness (7mm and over) on lung function in scuba divers.
1500-1520	David Smart	How to train in Diving/Hyperbaric Medicine in Australia and New Zealand
1520-1550	AFTERNOON TEA	
SESSION 4	FREE PAPERS	
1550-1610	Tobias Cibis	Computational Simulation of Vascular Volume Changes during Scuba Diving
1610-1630	San Clarke	Pulmonary oedema in snorkelers – four recent cases
1630-1650	Sarah Crawford	Dive Team Investigations: A Quality Improvement Project on Emergent Management of Diving Injuries
1650-1710	Martin Sayer	Seeing is believing: from heat damaged coral reefs to problem wounds
1710-1730	Cathy Meehan	Tropical Diving
1730	CLOSE	
EVENING	FREE NIGHT	

Scientific Program Monday June 5th 2023

Time	Speaker	Presentation Title
0800	REGISTRATION AND COFFEE	
SESSION 5	THEME – PRACTICAL SOLUTIONS TO CLIMATE CHANGE EFFECTS	
0830 - 0915	Prof Ove Hoegh Guldberg	Solving climate change: Does the ocean always have to be the victim?
0915-1000	Prof Craig Johnson	Responding to impacts of climate change impacts on Australia's Great Southern Reef (GSR)
1000-1030	MORNING TEA	
SESSION 6	THEME – MARINE HAZARDS 1	
1030-1115	Prof Jamie Seymour	Marine Envenomation – an overview
1115-1145	David Smart	Marine Food toxins – an overview
1145-1245	Panel Discussion re challenges for the future Include Sarah Lockley and David Smart	Is the ocean becoming a more dangerous place?
1245-1345	LUNCH	
SESSION 7	THEME – MARINE HAZARDS 2	
1345-1430	Prof Jamie Seymour	Spread of dangerous marine species in changing times
1430-1450	Nick Bennett	Reef medical retrievals
1450-1520	John Lippmann	Diving Deaths in Queensland
1520-1550	AFTERNOON TEA	
SESSION 8	FREE PAPERS	
1550-1620	Jenny Sisson	Preparation to reduce health risks when travelling to remote dive locations
1620-1640	Judi Lowe	Dive tourism and the role of recognising traditional marine tenure and providing livelihoods in decreasing destructive fishing
1640-1700	Tobias Cibis	Biomedical Underwater Data Analytics in a Controllable Underwater Environment
1700-1720	Neil Banham	A prospective single-blind randomised clinical trial comparing two treatment tables for the initial management of mild decompression sickness
1720	CLOSE	
1900	Wharf One Cairns	Sunset Function for all delegates and Guest Registration B Dress Smart Casual. Finger food and Drinks provided

Scientific Program Detail: Thursday June 8th 2023 – WORLD Oceans Day

Time	Speaker	Presentation Title
0800		REGISTRATION AND COFFEE
SESSION 9 TARGETED WORKSHOP	LIZZIE ELLIOTT CHAIR	THE PAEDIATRIC DIVER
0830-0850	Lizzie Elliott	Why have a workshop on the paediatric diver, what is needed in a SPUMS position statement?
0850-0910	Ian Gawthrop	How do we define a paediatric diver and are there health risk issues?
0910-0920	Cathy Meehan	Summary of other medical societies' position statements on paediatric diving
0920-0930	John Lippmann	Childrens diving emergencies and deaths reported to the Diver Emergency Service
0930-0950	John Parker	Approach to the Paediatric Diving medical
0950 - 1020	Matias Nochetto	A review of 149 DAN emergency call records involving diving minors
1020-1040	Charlotte Barbosa and Rachel Adlard (PADI)	What is current industry practice in paediatric diver training?
1040-1100		MORNING TEA
SESSION 11		SPUMS POSITION STATEMENTS ON PAEDIATRIC DIVING
1100-1200	Lizzie Elliott, CHAIR	WORKSHOP: Member participation SPUMS POSITION STATEMENTS ON PAEDIATRIC DIVING
1200-1300	SPUMS ANNUAL GENERAL MEETING and Election of Office Bearers 2023-2026	Dr Neil Banham, SPUMS President
1300-1400		LUNCH
	FINAL SESSION	SPUMS PAST PRESENT AND FUTURE – Chair Cathy Meehan
1400-1420	Sarah Lockley	Balloon dilatation of the Eustachian Tube – a procedure for the future
1420-1450	David Smart	Reflection on a fortunate life and career
1450-1520	David Smart and Deborah Dickson Smith	Presentation re 2024 SPUMS ASM Fiji
1520-1530	Conveners wrap up	David Smart and Cathy Meehan
1530-1630	Neil Banham	Tribute to Professor Mike Bennett, AM
1630		CLOSE
1830-2300	CONFERENCE GALA DINNER	TROPICAL THEME – Dress Marine / Tropical Dinner Speaker Prof Jamie Seymour – <i>Confessions of a Jelly Dude</i>

THURSDAY 8TH JUNE

**WORLD
OCEANS DAY**



OCEAN HEALTH = OUR FUTURE

Field Trips Tuesday 6th June, Wednesday 7th June and Friday 9th June

TUESDAY JUNE 6th 2023	DREAMTIME FULL DAY PRACTICAL AND SCIENTIFIC REEF EXPEDITION FOR ALL DELEGATES AND GUESTS
0715 DEPARTURE	PICKUP FROM RILEY HOTEL
WEDNESDAY JUNE 7th 2023	PRACTICAL DIVING WORKSHOPS ALL DAY FIELD EXPEDITIONS
0715 DEPARTURE	ALL PARTICIPANTS BUS/COACH PICKUP FROM RILEY HOTEL
TO: Passions of Paradise	SEPARATE DETAILS PROVIDED AT CONFERENCE
TO: Reef Quest	SEPARATE DETAILS PROVIDED AT CONFERENCE
FRIDAY JUNE 9th 2023	PRACTICAL DIVING WORKSHOPS ALL DAY FIELD EXPEDITIONS
0715 DEPARTURE	ALL PARTICIPANTS BUS/COACH PICKUP FROM RILEY HOTEL
TO: Passions of Paradise	SEPARATE DETAILS PROVIDED AT CONFERENCE
TO: Reef Quest	SEPARATE DETAILS PROVIDED AT CONFERENCE

ALL FIELD TRIPS FOR DREAMTIME AND PRACTICAL WORKSHOPS DETART FROM THE CRYSTAL BROOK RILEY HOTEL