



LIFE SCIENCES WA

Issue 19 brings you the latest news in the agriculture, aquaculture, and health sectors. Read on to find out about a new deep sea discovery, Western Australia leading the national approach to finding the causes of several debilitating diseases, and the first event in 2023 for Life Sciences WA.

Scientists break new record after finding world's deepest fish

At a depth of more than eight kilometres underwater, a new record for the deepest fish ever filmed and the deepest fish ever caught has been set by scientists from The University of Western Australia and Japan. In August 2022, the research ship DSSV Pressure Drop undertook a two-month expedition to the deep trenches around Japan in the north Pacific Ocean.



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Lung cancer and mesothelioma research receives funding boost

A researcher from The University of Western Australia has been awarded \$480,000 in funding over the next four years for vital research into the treatment of those living with lung cancer and mesothelioma, after securing one of this year's Cancer Council WA Research Fellowships.



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Pictured: Professor Jenette Creaney, UWA School of Biomedical Sciences.

New national costing framework to help manage biodiversity threats

Regional, State and national conservation organisations are set to benefit from a new framework developed by a team of Australian researchers and designed to help cost out biodiversity threat abatement strategies.



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Telethon support for spinal muscular atrophy research

Molecular genetics research to develop more effective treatments for the neurodegenerative disorder spinal muscular atrophy (SMA) has received funding from the Channel 7 Telethon Trust, announced at a recent beneficiary event. Spinal muscular atrophy is an inherited, progressive and life-limiting rare disease. Debilitating and often fatal, it affects approximately one in 10,000 individuals and is the leading genetic cause of death among infants.



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Austral Fisheries becomes first company to purchase Canopy Blue's Kelp Reforestation Credits

Canopy Blue's first Kelp Reforestation site is in Western Australia and is a ground-breaking initiative aimed at restoring 97,438 hectares of kelp forest that was devastated by a 2011 El Niño event.



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WA leads national approach to finding the causes of several debilitating diseases

Blood cancers, intellectual disability, cerebral palsy, repeated miscarriages and neuromuscular diseases. For some sufferers these are inherited conditions caused by the presence of specific genes, not yet identified.

The Medical Research Future Fund has allocated near to its maximum amount for this type of grant, \$5m, to a young researcher in Perth to try and solve the genetic mystery that causes these rare, devastating conditions.



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Second CEEDWA Scholar joins AIRO to help shape the future of Orthopaedics

The CEEDWA Scholarship is highly regarded in the realm of higher education as it serves as a formal program that links the skills and aspirations of high potential university students with the research and development needs of forward-thinking companies in the wider Western Australian business community.

For 2023/24, the Australian Institute of Robotic Orthopaedics (AIRO) has partnered with the University of Western Australia to appoint Mr. Jake Lorkin as a CEEDWA Scholar.



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New Industries Fund: WA Innovator of the Year

The WA Innovator of the Year awards outstanding Western Australian companies that have developed an innovative product, technology or service.

The Western Australian Government is committed to raising the profile of innovation in WA and supporting the delivery of government initiatives to advance the growth of our innovation-based industries.

Applications for the 2023 program will open on Tuesday, 2 May 2023.



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A SME's Guide to Good Manufacturing Practice - 02/05/2023

Are you an Australian manufacturer of medical devices, medicines or biologicals? If so, you are no doubt aware that your manufacturing licence requires compliance with the relevant code of Good Manufacturing Practice (GMP).

Join us for this unique event where we will explore the basic principles behind Good Manufacturing Practice and ISO 13485, and hear from representatives from AIRO and Orthocell, two companies that have successfully made the quality journey to having certified quality management systems.



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WA MTP Sector Spotlight Series ft. Alcolizer Technology - 27/04/2023

The monthly series is an opportunity for representatives from across the MTP sector to connect, collaborate and learn about upcoming opportunities, and hear the stories and successes of WA organisations developing health and medical innovations. This month's event shines a spotlight on Alcolizer Technology as Dr Olga Shimoni shares insights on the organisation's road to global-scale commercialisation, on-shoring of their manufacturing (pre-covid), the pivot to COVID-19 diagnostics and Olga's personal reflections on leaving a research career for industry.



[Register](#)

WA BioCheers - 04/05/2023

The annual Science on the Swan Conference showcases the very best of research and scientific endeavour in Western Australia, covering a mix of fundamental, biomedical, clinical, health and social science. It offers linkage opportunities for both industry and researchers, especially connecting early career to more senior and established health science and clinical leaders.



[Register](#)

Science on the Swan - 8-10/05/2023

The annual Science on the Swan Conference showcases the very best of research and scientific endeavour in Western Australia, covering a mix of fundamental, biomedical, clinical, health and social science. It offers linkage opportunities for both industry and researchers, especially connecting early career to more senior and established health science and clinical leaders.



[Register](#)

WA MTP Sector Spotlight Series on US Market Strategy - 15/05/2023

The WA Life Sciences Innovation Hub is pleased to invite you to the May WA MTP Sector Spotlight on US Market Strategy with Frank Jaskulke, Vice President, Intelligence and Head of Medical Alley Starts at the Medical Alley Association. If you are a start-up or entrepreneur looking to crack into the US market, this session is for you! There will be opportunity for Q&A about the what, how and why of US market entry and how to make a US strategy work for you and your business.



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