JOB DESCRIPTION

Senior Research Officer in Marine Cell Biology, OceanOmics program, Minderoo Foundation

Organisation	The Minderoo Group
Organisation Summary	Minderoo is a proudly Australian organisation encompassing the philanthropy of the Minderoo Foundation and the private business holdings of the Minderoo Group. **Minderoo Foundation** Established by Andrew and Nicola Forrest in 2001, the Foundation has committed $1.5 billion to a range of causes. We are a modern philanthropic organisation seeking to break down barriers and drive positive, lasting change. Minderoo Foundation is made up of seven key initiatives spanning from ocean research and ending slavery, to collaboration in cancer and building communities.
Culture & Values	Courage & Determination, Empowerment, Enthusiasm, Family, Frugality, Generating Ideas, Humility, Integrity, Safety & Stretch Targets
Position Title	Senior Research Officer, Marine Cell Biology OceanOmics program, Minderoo Foundation
Reporting To	Research Director, OceanOmics
Location	Perth, Western Australia
Position Summary	The Minderoo OceanOmics program will create a world-class integrated ocean monitoring platform to inform decision-making in ocean resource and ecosystem management. Deploying a range of advanced molecular and genomics techniques that will be adapted or developed to monitor the planet's oceans by sampling individual whole cells and genetic material from a range of marine habitats spanning the atmosphere, sea surface and water column. High-throughput genomic analyses and bioinformatics will be used to identify currently known as well as yet to be identified species at unprecedented speed and scale. In collaboration with other team members, the appointee will drive and be directly involved in the development and implementation of novel cellular & molecular approaches for marine wildlife assessment and monitoring. Under the direction of the OceanOmics Research Director, the appointee will be responsible for the conception and execution of new experimental procedures, including experimental design, data acquisition, data analysis & interpretation as well as contributing to preparation of scientific publications and outreach material. Working in a dynamic team environment, the appointee will help develop and maintain excellent working relationships within the Minderoo team as well as with external national and international collaborators and stakeholders.

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Your Responsibilities	The work duties of the *Senior Research Officer, Marine Cell Biology* include: • Contribute to the development of impactful and innovative research for the advancement of the research program. • Development, delivery and evaluation of novel concepts and techniques in single-cell marine genomics, using flow cytometry and cell sorting technologies as well as high-throughput sequencing. • Communication of findings though the production of scientific papers, reports and outreach material. • Work collaboratively with colleagues within the OceanOmics team, and across Minderoo's initiatives. • Other duties specific to this role as required by the Research Director.
Qualifications	• PhD in a relevant discipline, such as cell biology, molecular biology or marine microbiology; • Or an equivalent combination of relevant experience and education/training
Work capabilities, experience	*Essential:* • Experience operating fluorescence-activated cell sorting (FACS) instruments, preparing samples for flow cytometry assays and conducting post-acquisition analyses. • Experience in a variety of cellular and molecular techniques, particularly those applied to single cell genomics. • Strong technical, analytical and troubleshooting skills in flow cytometry and cell sorting, including experience with complex, heterogenous samples. • Excellent written and verbal communication skills, with a demonstrated publication track record in high quality, peer reviewed journals. • Ability to work effectively both independently, without supervision, and as part of a dynamic, multi-disciplinary team. • Highly developed organisational skills, with demonstrable success in working to deadlines and with numerous priorities. • Be self-directed, forward & creative thinker, pro-active and have a 'can-do' attitude. *Desirable:* • Experience in using Becton Dickinson flow cytometry instrumentation. • Experience working with cells derived from marine or aquaculture systems (eukaryotic cells preferred). • Experience working at sea. • Postdoctoral experience.
People Management	This role has no direct supervisory responsibilities.