Specialist Scientist: Biological Oceanography (OC64/2018)

Salary: R1 185 210 (All inclusive remuneration package, conditions apply)
Centre: Cape Town

Requirements:

- An appropriately recognised PhD in Marine Sciences, Biological Sciences, Zoology, Oceanography or related field. At least 10 years post qualification experience researching marine biology and biodiversity particularly plankton in South Africa, regionally and in the Southern Oceans;
- Extensive relevant research and Sound knowledge of marine biology. A proven record of scientific research output and human capital development; Demonstrated experience in establishing in situ oceanographic programmes. Extensive record of research and development in the ocean environment with existing funded projects;
- A good knowledge and understanding of the biological oceanography in the region and ability to integrate with other relevant disciplines for scientific and management purposes. Extensive ability to utilize oceanic observations and measurements in addressing scientific or practical problems;
- A proven track record of relevant research output including publications and human capital development. Ability to develop, promote and communicate research results to stakeholders, policymakers, scientists, and the general public. Demonstrated strategic management and scientific leadership;
- The successful incumbent must pass a medical examination for seafarers (Act No.57 of 1951). Registration with SACNASP as a Professional/Certificated Natural Scientist is compulsory;
- The following will be an advantage: Knowledge in establishing national or regional research programmes. Ability to respond and contribute to the development of internal and external cooperation projects. Experience in marine data and information handling and statistically analyzing data.

Duties:

- Conduct, supervise and manage monitoring programmes and time-series studies in respect of fluctuations in the marine environment in general and in plankton populations in particular, and examine their linkages with ecosystem variability and climate change;
Integrate and develop research programmes pertaining to ocean processes and dynamics with an emphasis on integration with other disciplines. Develop programmes/projects on applied biological oceanography including theoretical, modeling, instrumentation and field programs spanning basic and applied research;

Provide strategic scientific leadership and direction at national, regional and international levels. Participate in sea-going research cruises, field trips and related activities;

Develop projects to address knowledge gaps in South Africa. Conduct and lead applied research into the biological oceanography around southern Africa with application to the earth systems approach;

Develop research and environmental monitoring activities complementing and/or improving existing activities including developing applications from the marine information and data;

Participate in working groups and scientific fora as required and delegated by the Department. Publish scientific results in peer-reviewed journals and present at conferences;

Provide scientific advice pertaining to oceanography and play a leading role in advocacy. Manage research activities in oceanography and evaluate scientific efficiency. Mentor, train and develop junior scientists and technicians with emphasis on internal staff and students;

Develop, implement and operationalize an in situ measurement strategy for South Africa comprising fixed and mobile platforms with strong local, regional and international links, and integration with biogeochemical modeling;

Lead Research and Development into new in situ measurement technologies, platforms, and data processing, validation and dissemination methodologies. Participate in teaching at secondary to graduate level within his/her field of research

Enquiries: Jimmy Khanyile, Tel: 021 819 5003 / Ashley Johnson, Tel: 021 819 5003

Attention: Human Resource Management

Closing date: 24 December 2018