

Post-Doctoral Positions for an Integrated Ocean Observatory

The Red Sea Research Center at King Abdullah University of Science and Technology is offering three post-doctoral positions to participate in developing an ocean observatory for the Red Sea. The positions are focused on ocean optics, biogeochemical processes, and the coupled physical/biogeochemical dynamics in the Red Sea. The Red Sea is a unique marginal sea that is an extreme environment in itself, as well as having several deep brine basins, and remains as an underexplored region of the global ocean. The ocean observatory will include autonomous platforms, coastal surface current mapping, remote sensing, moored sensors and traditional vessel based observations.

We are soliciting applications for expertise in the following areas:

Utilization of ocean optics to understand biogeochemical processes in the ocean. An understanding of the utilization of ocean optics to understand the productivity and elemental fluxes in the ocean is required. Experience of integrating optical measurements with physical processes is preferred.

Coastal physical oceanography with experience in working with integrating data sets from surface current mapping and autonomous vehicle observations. Experience working in an interdisciplinary environment with focus on the coupling between biological, physical and chemical processes is desired.

Integrated physical and biological modeling of the ocean environment to link physical and biogeochemical processes. The effort will link physical models with biogeochemical processes and observations to understand the dynamics of the Red Sea basin. Understanding the role of atmospheric inputs as well as connectivity with adjacent basins will be aspects of this effort.

We are seeking individuals who have strong interdisciplinary interests and are capable of working collaboratively within an international, interdisciplinary group. All applicants are required to have a Ph.D.

with demonstrated expertise in their respective areas. Applicants should send their CV, a brief description of research interests (no more than 2 pages), and contact information for three references to Burton Jones, burt.jones@kaust.edu.sa <<mailto:burt.jones@kaust.edu.sa>>.

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