GEOMAR
Helmholtz-Zentrum für Ozeanforschung Kiel

LEON H. CHARNEY
SCHOOL OF MARINE SCIENCES
בית הספר למדעי הים ע"ש ליאון צ'רני

PhD or Postdoctoral research opportunity

Climate research and the Mediterranean Sea

Sedimentation, environment, reactions and seafloor fluxes in a rapidly warming sea

Research cruises

Chemistry - Sedimentology
Micropaleontology-
water depth of 4,000 m

German- Israeli
Helmholtz
Collaboration

HELMHOLTZ
CLIMATE INITIATIVE

Background

With ongoing climate change the oceans become warmer and less productive. We have yet to fully understand the impact of these processes and what the future ocean will look like. Yet some seas warm faster than others. The Oligotrophioc Eastern Mediterranean is experiencing the fastest and most intense warming of the low latitude seas, making it an ideal natural laboratory. Through the Helmholtz Climate Initiative, GEOMAR and The Cherny School of Marine Sciences are joining forces to study the Eastern Mediterranean and compare it to the open oceans as an early warning system for climate change in the marine environment.

The research

Multiple research topics are open for an ambitious and self-motivated young researcher to work on sediment cores from offshore Cyprus, Greece, and Israel. These include micropaleontological, geochemical, geochronological, and sedimentological questions related to the impact of climate change on the region and the relation between modern and ancient planktonic communities. Samples have already been collected from deep water sites with additional research cruise planned and opened to join.

For detailes please contact:

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Requirements:
A suitable degree in natural sciences (preferably Earth Sciences, Marine Sciences or Environmental Chemistry). Work at the University of Haifa or at the Geological Survey of Israel as well as several months in Germany.