



Consiglio Nazionale delle Ricerche



ISTITUTO DI SCIENZE MARINE
Sede Territoriale (U.O.S.) di Bologna
Via Gobetti, 101
40129 Bologna

CICLO DI SEMINARI

Venerdì 26 Giugno 2015

Sala riunioni terzo piano - ore 11:00

RESOCONTO DI UNA CAMPAGNA OCEANOGRAFICA NELLA DORSALE MEDIO ATLANTICA A BORDO DELLA NAVE KNORR (WHOI)

Camilla Palmiotto

ISMAR-Bologna

Detachment faults are common at slow and ultraslow mid-oceanic ridges where the magmatic supply is intermittent over time, and where intense tectonic activity allows the formation and evolution of oceanic core complexes. During the months of May and June 2013, I participated in the Woods Hole KNR-210-5 cruise. The main aim was to understand the processes controlling the formation, evolution, and linking of mid-segment detachment faults and to examine the relationship between magma supply and detachment fault formation along a segment of Mid-Atlantic ridge axis located at 16.5°N. The survey included regional multibeam bathymetry mapping, side scan, magnetic data, CHIRP, high-resolution mapping using AUV Sentry, seafloor imaging using the TowCam system, and an extensive rock-dredging program.

