

# Scientific Program at U2B

## Infrared Absorption Investigations Confirm the Extraterrestrial Origin of Carbonado-Diamonds

Journal reference: [The Astrophysical Journal Letters](#) (in press)  
Copyright (2006) The Astrophysical Journal (premier).

Press release: “Black Diamonds from Outer Space”  
<http://cas.fiu.edu>, The Chicago Press

Dr. Sandeep Rekhi and Dr. Mark Chance, in collaboration with Dr. Josef Garai and Dr. Stephen Haggerty of FIU.



## The Effect of Dietary Enrichment of Metals on Amyloid Conformation in a Mouse Model of Alzheimer’s Disease (Dr. Jane Flinn, George Mason University)

Investigation of the effects of zinc, copper and iron on protein conformation in transgenic mice and wild-type mice fed on metal-rich diets. This project will correlate IR,  $\mu$ SXRF and behavioral studies, and is complementary to the Case Proteomics Center’s Alzheimer’s disease biomarker initiative.

