

Metabolic carbon in fish carbonates: Impacts on the global carbon cycle

Marine fish play an important role in the global carbon cycle through the production of metastable carbonate minerals called ichthyocarbonate. This PhD student will analyze these metastable carbonates produced by marine fish including stable carbon isotope analyses, elemental analysis using an ICP-QQQ and ion chromatography, and mineralogical analyses. We will use convergent research approaches from fish physiology and geochemistry to better define the role of marine fish carbonate in the global carbon cycle through space and time.

