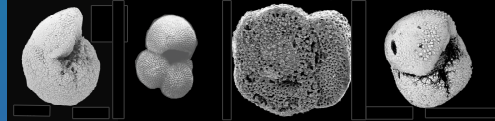


Constraining the incorporation of $^{143}\text{Nd}/^{144}\text{Nd}$ isotopes in planktonic foraminifera calcite down the N. Atlantic water column

D. Ruiz, L. Pena



- which species of planktonic foraminifera incorporate $^{143}\text{Nd}/^{144}\text{Nd}$ isotopes **ONLY** during the calcification of their shells?
- foraminifera shells were cleaned thoroughly of ocean floor elements that could potentially give deep-sea isotopic compositions
- isotopic compositions of $^{143}\text{Nd}/^{144}\text{Nd}$ from four species of forams were compared with those of their habitats down the N. Atlantic water column
- G. truncatulinoides* (left coiling), *G. inflata*, *G. crassaformis* and *G. sacculifer* all gave deep water $^{143}\text{Nd}/^{144}\text{Nd}$ isotopic compositions
- I will talk about the different potential causes for these results...