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

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-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…