

## Paleontological reconstruction in fossil Rhinocerotidae

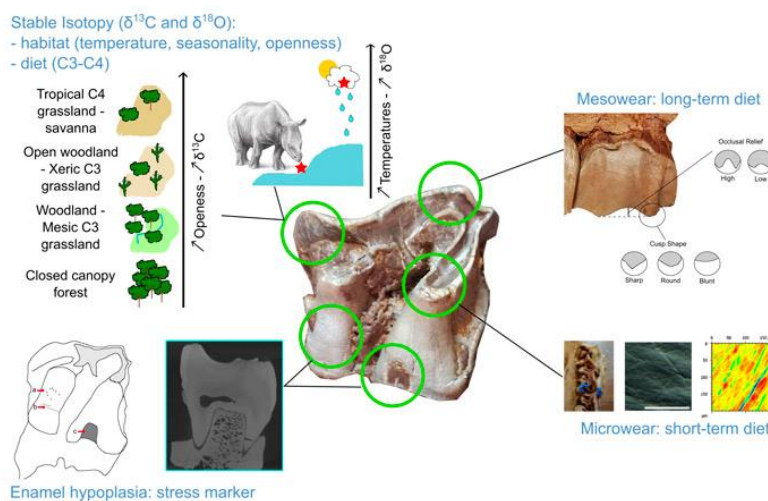


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Rhinocerotids are abundant and diverse elements of the mammalian faunas of the Cenozoic. If their taxonomy and their phylogenetic relationships have been rather well studied, their paleoecology has been little explored or with not very objective approaches (e.g., dental morphology). My research is therefore interested in providing reliable paleobiological and paleoecological inferences for Cenozoic Rhinocerotidae during major climatic changes.



To do this, I developed a multi-proxy method, partly calibrated on the five current species, which combines dental wear (micro- and meso-), enamel hypoplasia, estimation of body mass, stable isotopy and mortality curves.