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## **ACCEPTED MANUSCRIPT**

Geochemistry of heavy minerals and U-Pb detrital zircon geochronology in the Manantiales Basin: Implications for Frontal Cordillera uplift and foreland basin connectivity in the Andes of central Argentina

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#### **Abstract**

The Manantiales Foreland Basin, located at ~32°15'S in the Frontal Cordillera, Argentina, contains the sedimentary record of erosion of igneous basement and Miocene volcanic rocks exhumed during the Andean orogeny. U–Pb ages of detrital zircons from the basin fill succession (Chinches Formation) constrain the onset of deposition to ca. 22 Ma

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