

31st May 2017

Dear Sir/Madam,

I would like to submit with Dr. Lesleis Nagy, Dr. Adrian R. Muxworthy, Prof. Wyn Williams and Dr. Karl Fabian a paper entitled “The magnetic structure and palaeomagnetic recording fidelity of sub-micron greigite (Fe_3S_4)” to the journal *Earth and Planetary Science Letters*.

We have provided a manuscript including low-resolution figures in order to keep the file size under 10 MB. These, higher-resolution images intended for publication and Video 1 are also provided.

Yours sincerely,



Miguel A. Valdez Grijalva