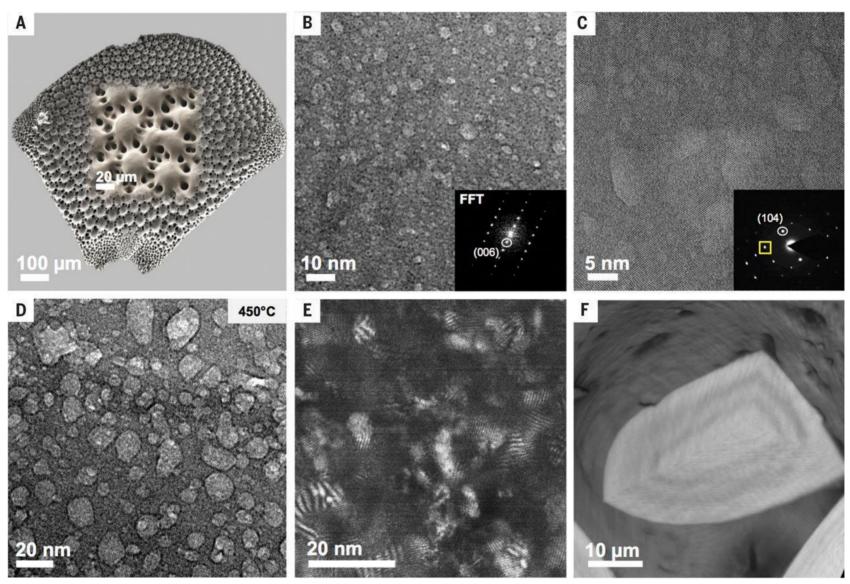
## Coherently aligned nanoparticles within a biogenic single crystal: A biological prestressing strategy

by Iryna Polishchuk, Avigail Aronhime Bracha, Leonid Bloch, Davide Levy, Stas Kozachkevich, Yael Etinger-Geller, Yaron Kauffmann, Manfred Burghammer, Carlotta Giacobbe, Julie Villanova, Gordon Hendler, Chang-Yu Sun, Anthony J. Giuffre, Matthew A. Marcus, Lakshminath Kundanati, Paul Zaslansky, Nicola M. Pugno, Pupa U. P. A. Gilbert, Alex Katsman, and Boaz Pokroy

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Fig. 1 Characterization from the micro- to the nanostructure.



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Fig. 2 High-resolution powder XRD characterization.

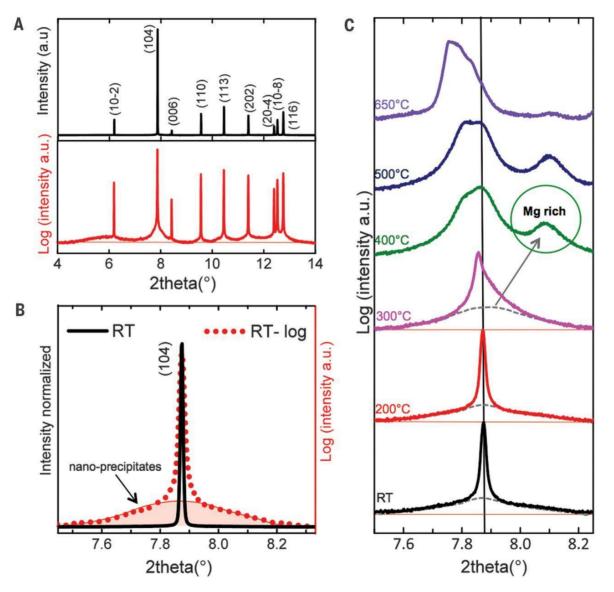
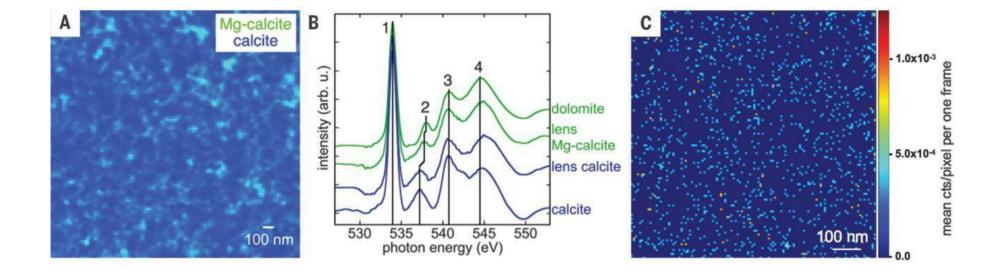






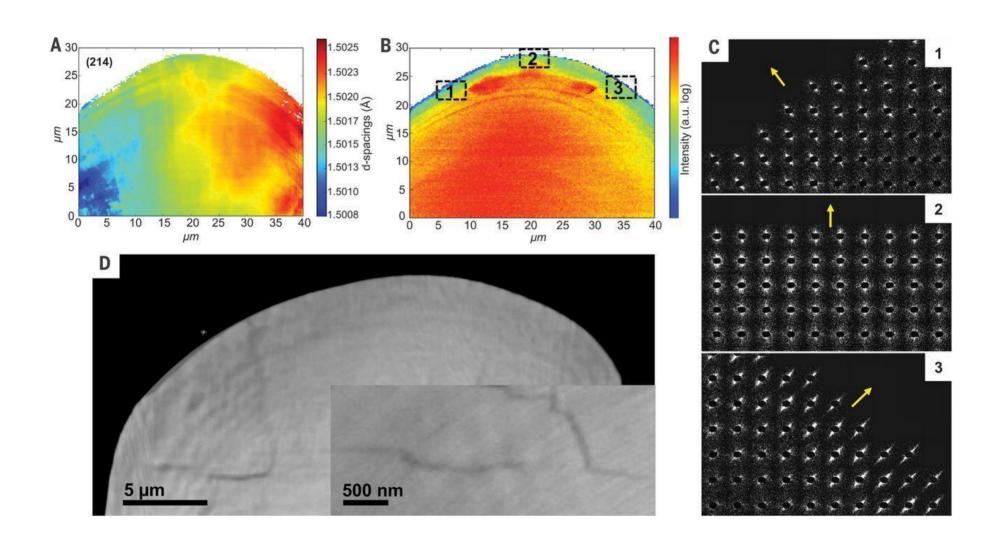
Fig. 3 PEEM and ToF-SIMS mapping.



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Fig. 4 Synchrotron submicrometer scanning diffraction and nanotomography.



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