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I am a Lecturer in the Mechanics of Biological Materials in the Engineering Department at The University of Cambridge. I am one of the founding staff members of the Engineering for the Life Sciences Programme.



I have a background in traditional engineering; undergraduate degree in Materials with a Metallurgy focus, Masters degree in Applied Mechanics, but I was increasingly interested in biomedical applications of engineering. My Masters project was in cartilage and arthritis, and this led to my doing my PhD in Biophysical Sciences and Medical Physics. During this time, my funding came through the clinical school and I worked on projects related to Obstetrics and Women's Health in addition to my basic science research on jaw bone and tooth tissues.

I love the fact that there are so many new frontiers in applying engineering knowledge to medicine and human life, including quality of life issues. I really enjoy teaching and find that people working in this field are very passionate about what they do--there is almost always a personal story as to how they became interested in bioengineering and how they wish to use their engineering skills in altruistic pursuits that complement traditional engineering jobs.

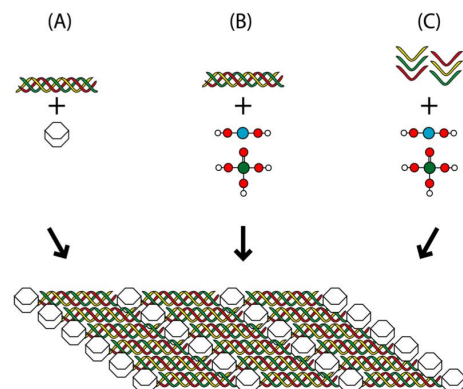


Figure. Cell-free biomimetic synthesis paths for templated organic-inorganic composite materials: (A) mixing of nanoscale phases, (B) precipitation of mineral on self-organized biopolymer network, (C) co-precipitation of self-assembling



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