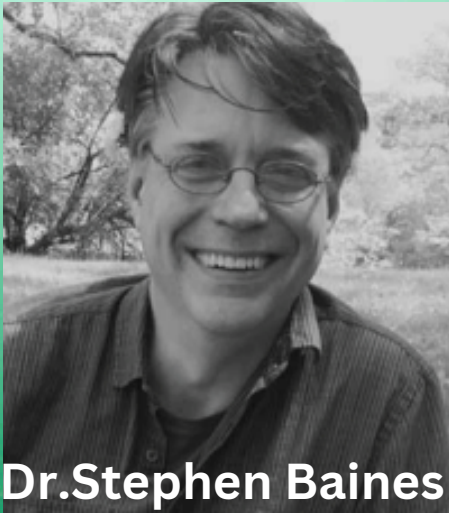


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FREE PARKING



Dr. Stephen Baines

**PUMPING IRON: DO PHYTOPLANKTON
TELL US THAT OCEAN IRON
FERTILIZATION COULD SAVE THE
PLANET?**



**Monday, September 16,
Javitz Center, Rm 111
6:00 pm**

Iron is crucial for oxygen use in vertebrates and organisms, including respiration and photosynthesis. However, the abundance of oxygen in the ocean makes iron unavailable. Adding iron to the ocean surface increases the abundance of single-celled phytoplankton, leading to potential fertilization. This research addresses the uncertainty in fertilizing phytoplankton cells, using advanced microscopic techniques. The study reveals diverse ways phytoplankton species survive low iron environments and their likelihood of sinking to the deep ocean after fertilization. The study also suggests that iron fertilization affects the food web.