



Aaron



Andy Burnett



Greg Fournier

Attendees (10)

▼ Hosts (1)

Mike Toillion

▼ Presenters (3)

Aaron

Andy Burnett

Greg Fournier

▼ Participants (6)

Eric Smith

Gavriil

Jessica

Lindsay Hays

Niki

Parag Vaishampayan

Open Chat (Everyone)

Eric Smith: Should I try to flesh some of this out?

Eric Smith: SOrry. Phone pulled off the desk. The university can't afford a long cord.

Eric Smith: I will try this again, in a different forum. The good part of the argument is CH.6 of Woese's never-read book on the code.

Eric Smith: The important issue is that there is an inherent problem with bootstrapping one's way out of high error rates

Eric Smith: This is the thing that requires phenotype to be a character of the distribution rather than of the sequence

Eric Smith: On the other side of the same coin, when the refinement of coding has been enabled by the bootstrapping of an error-buffering code

Eric Smith is typing...

Teleconference Instructions (Parti...

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Presentation

Full Screen

Is there any genomic evidence for interplanetary panspermia (e.g., Mars to Earth) at this early time?

Transfer of cellular material between the planets of the inner solar system via impact ejecta is a statistical near-certainty over long periods of geological time, and would be even more likely early in Earth's history when impact rates were far higher. Therefore, the possibility that extant life on Earth originated on Mars cannot be reasonably excluded. It is possible that adaptations and selections consistent with an exoplanetary origin may be preserved and detectable within reconstructions of the LUCA or pre-LUCA genome.