ゲノム進化研究室 (黒川研究室)

How did complex life arise?



Origin of Life

What was the first life like?

Evolution of the Earth-Life System

Bio-Planets in the Universe

What does Earth-life teach us about the search for life in the universe?

What was the last common ancestor of Earth-life?



What was the Hadean Earth environment like?

How is the deep interior connected to the surface?

What were the critical ingredients for starting life?



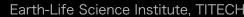
How is the genetic code wired to the environment?







https://www.youtube.com/c/冥王代生命学の創成

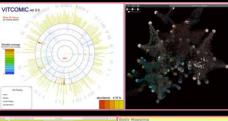






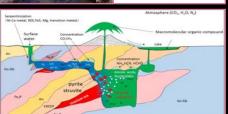
微生物ゲノム・メタゲノム マイクロバイオーム

Tsukuda N et al (2021) Merino N et al (2020) Yachida S et al (2019)



バイオインフォマティクス

Mori H et al (2021) Mori H et al (2018) Higashi K et al (2018)



地球・生命の起源

Nobu MK et al (2022) Ebisuzaki T et al (2020) Maruyama S et al (2019)



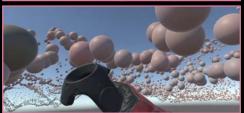
統合データベース

https://microbedb.jp/



メンバー

東光一、黒川真臣、松本美緒 水林あや子、黒川顕 (kk@nig.ac.jp)



とにかく 誰も知らない 面白いことを