IdeasDecember 24, 2015

EG

Home (edit)
Self (edit)

Contents

1 General

- Compartmentalization (edit) no file Is compartmentalization necessary or not?
- Prebiotic Soup (edit): life originated from prebiotic soup.
- Autocatalysis (edit): Autocatalysis and autocatalytic sets played important role in the origin of life
- Metabolism first approach (edit)

2 Prebiotic polymerization

2.1 From literature

- RNA-world idea (edit)
- Peptides could form prebiotically (edit) no file
- Amino acids could be formed prebiotically (edit) no file
- Nucleotides could be synthesized prebiotically (edit)

2.2 Home-grown

- HP-world idea (edit): Catalysis based on hydrophobic interaction can give a rise to an efficient autocatalytic loop.
- Short sequences can have stable structure (edit) no file: HP-world (edit) hypothesis heavily relies on assumption that relatively short sequences can have stable structure and perform function. Supporting literature is here.

3 Two polymers

- Two polymers idea (edit) In order to start life one need two distinct types of polymers: informational and functional

4 "Artificial Life"

- World Modeling
- Movement First

References