

GTR Seminar

“Understanding the Emergence of RNA and DNA in terms of Structure-Function in the Context of Origins of Life Studies”



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March 17 (Fri), 15:00-16:30
Room 921 9F, No.1 building Sch. of Eng.
(工学部1号館9階 921号室)

Abstract: Nucleic acids, RNA and DNA, are central to life as we know it and are postulated to have played a key role in the origin of life on the early Earth. I will present results from our lab’s investigations on alternative structures and replication studies with chimeric sequences, which suggest that the extant nucleic acids RNA and DNA (1) are best considered as an emergent product of chemical evolution from a heterogeneous mixture and (2) could have appeared simultaneously instead of the widely considered RNA first and DNA later model.

Host: Hiromu Kashida (2538)