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Maintenance and inheritance of genome, and mechanisms of cancer and related diseases

Tokyo Univ Graduate School of Frontier Sciences, Tokyo Science Univ, Ochanomizu Women's Univ, Nihon Univ etc.

Undergrad : 1 (Tokyo Biotechnology)
Master's : 4 (Taiwan, Vietnam, Iwate, Tokyo Science Univ. etc)
Ph.D. : 3 (Niigata, Nihon, Tokyo Agricult. Univ)

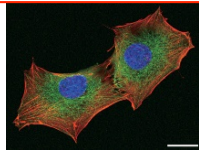
Key words: DNA replication · novel genome function · chromatin architecture · cell cycle · cancer

E. coli



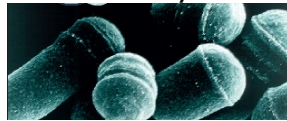
DNA replication initiation

Genome stability cancer therapy



Animal cells (normal, cancer, ES)

Fission yeast

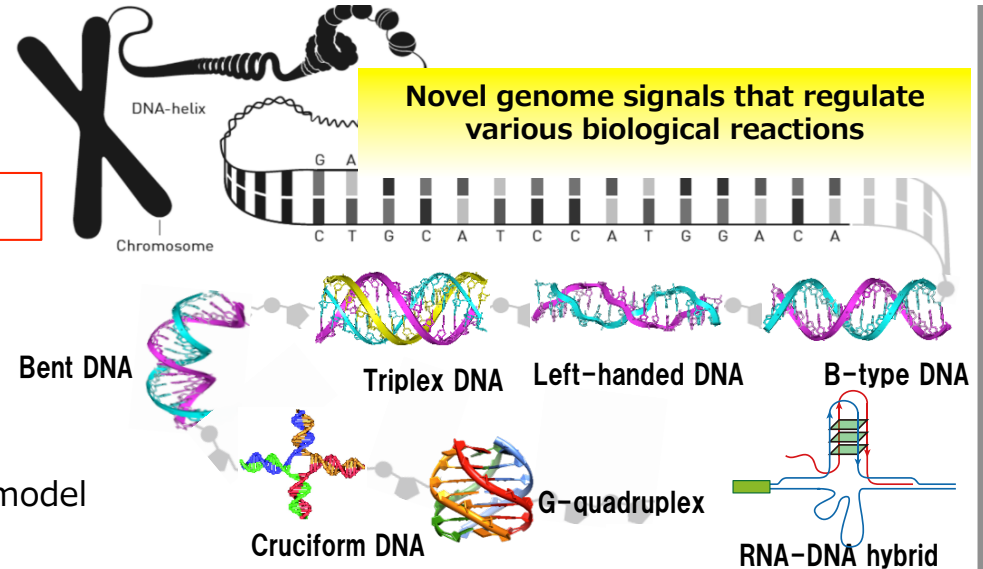


Replication timing

Functions during development and on a body level



Mouse model



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We welcome students of all backgrounds.

We welcome students who are communicative and can get excited in doing science with us.

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Basic research on novel genome functions and mode of its operation

How cancer cells are generated by loss of genome stability

Detailed mechanistic studies of genome replication using various model organisms