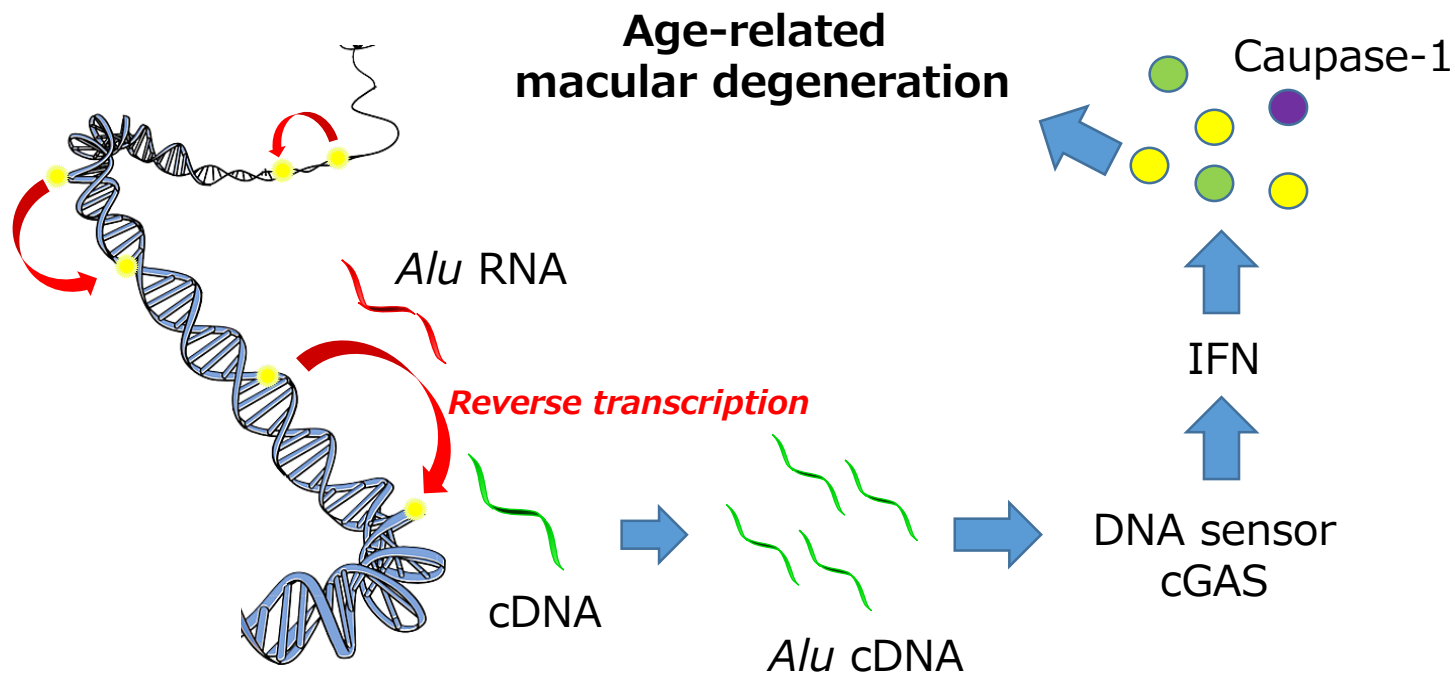


## Cytoplasmic synthesis of endogenous Alu complementary DNA via reverse transcription and implications in age-related macular degeneration



*Alu* also undergoes L1-mediated reverse transcription via self-priming in the cytoplasm independent of retrotransposition, providing evidence of human DNA synthesis in this cellular compartment. This newly discovered shunt molecule in the *Alu* replication cycle also induces death of the retinal pigmented epithelium, a hallmark of atrophic age-related macular degeneration

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Contact: University of Tsukuba, Dr. Fukuda