# The Inner Life of the Genome.jpgThe Inner Life of the Genome

Scientific American – February 2011

# The Inner Life of the Genome (1).jpgThe Inner Life of the Genome (2).jpg

# The Inner Life of the Genome (3).jpg

# The Inner Life of the Genome (4).jpg

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1. How was it figured out that chromosomes only occupied certain areas of a nucleus?

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1. What have observations about the GFAP and IGH genes revealed about gene location?

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1. What are transcription factories?

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1. How does differentiation affect gene regulation?

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1. Describe the role of chromosomal positioning in some cancers.

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1. How is (the above) useful in diagnosis of these types of cancer?

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1. Describe the self-organization model of a cell nucleus.

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