Lon Labour 312 (2346)

"Two patients with a structurally abnormal X were found to have this chromosome consistently heteropycnotic and late replicating"
"These observations are consistent with the 'fixed differentiation hypothesis' of X-chromosome behaviour.

Human Sex Chromosome Abnormalities in Relation to DNA Replication and Hetero-~~chromatinization~~ chromatinization.
Melvin M. Grumbach, Akira Morishima and J. Herbert Taylor
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"Grumbach, Morishima proposed that the change of state, heterochromatinization, is induced in a large part of one of the two X-chromosomes of each cell during an early embryonic stage, the fixed differentiation hypothesis" Acta Cytol. 6 p46 1962)

See also (14) (27)
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