Chromatin Regulation and Dynamics

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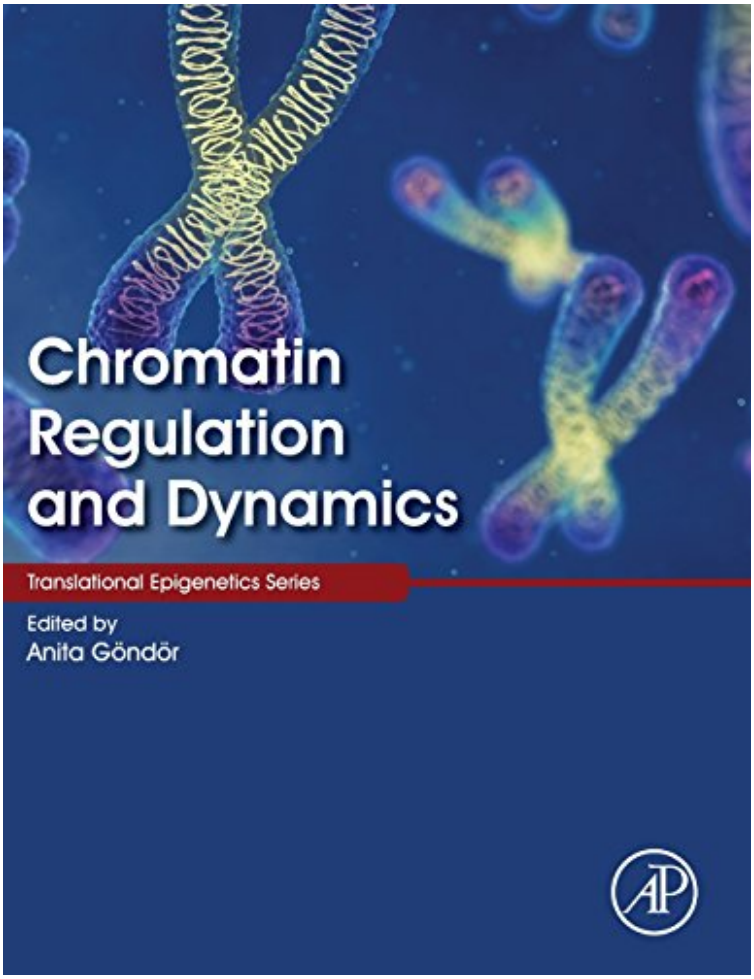

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From Academic Press : Chromatin Regulation and Dynamics before purchasing it in order to gage whether or not it would be worth my time, and all praised Chromatin Regulation and Dynamics:

Chromatin Regulation and Dynamics integrates knowledge on the dynamic regulation of primary chromatin fiber with the 3D nuclear architecture, then connects related processes to circadian regulation of cellular metabolic states, representing a paradigm of adaptation to environmental changes. The final chapters discuss the many ways chromatin dynamics can synergize to fundamentally contribute to the development of complex diseases. Chromatin dynamics, which is strategically positioned at the gene-environment interface, is at the core of disease development. As such, Chromatin Regulation and Dynamics, part of the Translational Epigenetics series, facilitates the flow of information between research areas such as chromatin regulation, developmental biology, and epidemiology by focusing on recent

findings of the fast-moving field of chromatin regulation.Presents and discusses novel principles of chromatin regulation and dynamics with a cross-disciplinary perspectivePromotes crosstalk between basic sciences and their applications in medicineProvides a framework for future studies on complex diseases by integrating various aspects of chromatin biology with cellular metabolic states, with an emphasis on the dynamic nature of chromatin and stochastic principlesIntegrates knowledge on the dynamic regulation of primary chromatin fiber with 3D nuclear architecture, then connects related processes to circadian regulation of cellular metabolic states, representing a paradigm of adaptation to environmental changes

About the AuthorDr. Gndr is an Assistant Professor in the Department of Microbiology, Tumor, and Cell Biology (MTC) at Karolinska Institutet. Dr. Gndr is highly motivated to integrate novel aspects of chromatin regulation and nuclear architecture with an emphasis on translational aspects and links to multifactorial human diseases.