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On the cover: Histone H3 palmitoylation. Due to the buried position of H3 cysteines and their consequential lack of chemical reactivity, palmitoylation is not possible within intact histone octamers. However, acylation becomes possible for the open clamshell conformation of nucleosomes determined by Allfrey. These reactive nucleosomes were isolated by mercury columns that covalently binding free sulfhydryls and are associated with active transcription. Histone H3 palmitoylation may be associated with chromatin regulation. For details, see article by Howard C. Hang et al., pages M110.001198, 1–16.

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