

正誤表

生物物理 53 卷 Supplement1-1 第 51 回年会プログラム集

ページ・位置	内容	誤	正
(S5),S6	シンポジウム 1SCP	Challenges to in vivo biophysicss	Challenges to in vivo biophysics
S5	シンポジウム 1SBP	Masaki Taniguchi	Masateru Taniguchi
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年会プログラム集（冊子版）に上記の誤りがありました。

訂正し、お詫び申し上げます。

第 51 回年会実行委員会

1P117 Single Nucleosome under Tension and Torsion

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The fundamental chromatin packing unit in eukaryotes is the nucleosome. Prior single-molecule experiments have exerted linear tension to stretch both chromatin fibers and mononucleosome, which have given information on the nature of the free-energy barrier for a particular disruption pathway. We develop a theoretical model including torsional constraints, which suggests that the disruption pathway may be sensitive to the torsional loading of the nucleosome. Experimentally we apply force and torque simultaneously to disrupt a mononucleosome using an optical torque wrench. Positive supercoiling is found to destabilize the nucleosome while negative supercoiling has little effect, which is consistent with our model.