

Writing Assignment #3

Burn, G.L., Raisch, T., Tacke, S. *et al.* Myeloperoxidase transforms chromatin into neutrophil extracellular traps. *Nature* <https://doi.org/10.1038/s41586-025-09523-9> (2025).

This genetics related article is a primary article and is shown throughout multiple sections. The first section, “MPO associates with NET nucleosomes” shows how MPO is organized along NET filaments using their own calculations, 3 different microscopy techniques that were all used by the researchers, DNA electrophoresis and western blotting all backed up by their own images taken in house. In the second section, “MPO binds to the nucleosome acidic patch” the researchers use size exclusion chromatography and cryo-EM single particle analysis to show how the MPO is binding to the nucleosome acidic patch. There is a method section that explains in detail how their experiments were carried out as well as many data tables and figures plus an extended data tables and figures section. In much of their writing they use “we” and “our” further suggesting that this is their own primary research.