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Figure 15. Terminally grafted nanoparticles on polymer chains at a volume fraction of  $\phi = 0.50$  as simulated through the Simu-D suite. Each nanoparticle, shown in red and in semitransparent format, has a size of  $d_{\text{nano}} = 8$  and is anchored to a single polymer chain. Macromolecules are represented as freely jointed chains of tangent hard spheres with an average length of  $N = 100$ .