Control of nanoparticle formation using the constrained dewetting of polymer brushes: Supplementary Material

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This document contains additional snapshots of the simulations shown in Fig. 2, along with snapshots from repeat simulations using a different random number generator seed value. Fig. S17 shows a series of simulations in which grafting sites and chain lengths have been randomized to a degree.



Figure S1: Additional snapshots from the simulation shown in Fig. 2A showing the evolution of the polymer-free simulation.



Figure S2: Snapshots from a repeat of the simulation shown in Fig. 2A.



Figure S3: Snapshots from a repeat of the simulation shown in Fig. 2B.



Figure S4: Snapshots from a repeat of the simulation shown in Fig. 2B.



Figure S5: Additional snapshots from the simulation shown in Fig. 2C.



Figure S6: Snapshots from a repeat of the simulation shown in Fig. 2C.



Figure S7: Snapshots from a repeat of the simulation shown in Fig. 2C.



Figure S8: Additional snapshots from the simulation shown in Fig. 2D.



Figure S9: Snapshots from a repeat of the simulation shown in Fig. 2D.



Figure S10: Snapshots from a repeat of the simulation shown in Fig. 2D.



Figure S11: Additional snapshots from the simulation shown in Fig. 2E.



Figure S12: Snapshots from a repeat of the simulation shown in Fig. 2E.



Figure S13: Snapshots from a repeat of the simulation shown in Fig. 2E.



Figure S14: Additional snapshots from the simulation shown in Fig. 2F.



Figure S15: Snapshots from a repeat of the simulation shown in Fig. 2F.



Figure S16: Snapshots from a repeat of the simulation shown in Fig. 2F.



Figure S17: Snapshots from simulations randomized polymer graft points and chain lengths, similar to those shown in Fig. 4 except with random graft points and chain length generated using different random seed values. The snapshots on the left correspond to five simulations with different randomized surfaces at the end of the evaporation $(t = -1.60J^{-1}\sigma^{-2})$. The images on the right show the patterns of polymer graft points corresponding to the images on the left.