FIGURE 5: Influence of Zn$^{2+}$ on Aβ$_{(1-40)}$ assembly over time: Aβ$_{(1-40)}$ fibres formed in the absence of Zn$^{2+}$ (top row) and in the presence of 0.4 mole equivalents Zn$^{2+}$ (bottom row) monitored over time using TEM. Samples were incubated for 2 weeks with aliquots taken at different time points. Images are shown at 3 hrs, 4 hrs and 2 weeks. At four hours there are marked differences in the assemblies due to the presence of Zn$^{2+}$. Aβ$_{(1-40)}$ (10 μM) was grown at pH 7.4 in 30 mM HEPES buffer and 160 mM NaCl at 25 °C with no agitation.