



FIGURE 5: Influence of Zn^{2+} on $A\beta_{(1-40)}$ assembly over time: $A\beta_{(1-40)}$ 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+} . $A\beta_{(1-40)}$ ($10 \mu\text{M}$) was grown at pH 7.4 in 30 mM HEPES buffer and 160 mM NaCl at 25°C with no agitation.