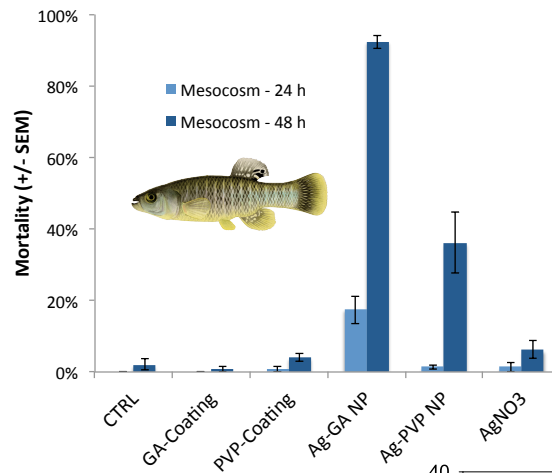
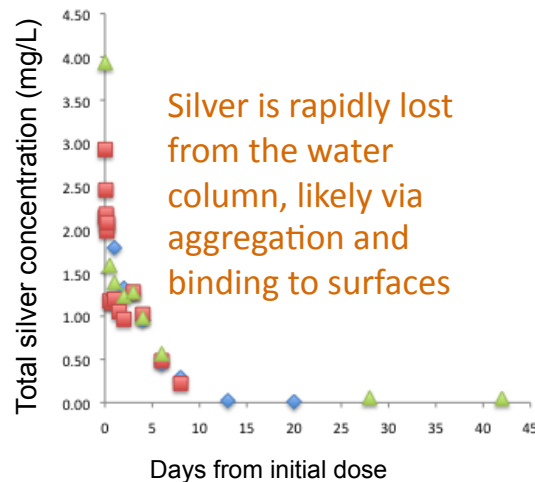


Preliminary Mesocosm Results

Treatment		# Replicates
Control (True Control)	+0.32 mg N L ⁻¹ as KNO ₃	4
Gum Arabic Coated AgNPs	[Ag] = 2.5mg L ⁻¹ , +0.32 mg N L ⁻¹ as KNO ₃	3
PVP Coated AgNPs	[Ag] = 2.5mg L ⁻¹ , +0.32 mg N L ⁻¹ as KNO ₃	3
AgNO ₃ (positive control)	[Ag] = 2.5mg L ⁻¹	3
Gum Arabic (coating control)	GA +0.32 mg N L ⁻¹ as KNO ₃	3
PVP (coating control)	PVP +0.32 mg N L ⁻¹ as KNO ₃	3

AgNPs are more toxic to killifish larvae on an equal Ag mass basis than AgNO₃



There were rapid responses in dissolved organic carbon, likely from plant release, and in microbial activity, following treatment with Ag

