Investigating the formation of iron meteorites through laboratory experiments

The mineral schreibersite ($\text{Fe}_3\text{P}$) is found extensively in IIG iron meteorites, recording the formation history of these meteorites.

Lab experiments at APL produced samples that contained schreibersite, to replicate the chemistry found in the IIG meteorites.

Lab experiments that mimic the chemistry of iron meteorites provide insight into the evolution of asteroids in the early Solar System.