

Abstract:

This is a renewal of a highly synergistic PPG exploring tolerance induction for xenotransplantation from pigs. Themes include: 1) Tolerance in the adaptive immune system; 2) Overcoming innate immune barriers; and 3) Using CRISPR/Cas9 to improve potential donor animals through genetic modifications. **This combination of studies, cores and interactions will synergize to provide major leaps forward toward clinical xenotransplantation.**