Distributed Science Value Proposition

▪ Better Science (for Scientists)
  ▪ Problem: Reproducibility Issues; **20% of U.S. health science research can’t be replicated/reproduced***
  ▪ Solution: Improved reproducibility through transparency and immutable audit trail for research data; better quality data from standardization; improved materials; increased meta-analysis capabilities

▪ Cheaper Research (for Funders)
  ▪ Problem: Expensive; decreasing ROI; **$30 billion in U.S. health science on non-replicable research***
  ▪ Solution: Increased return on investment for research dollars spent; reduced data management costs through blockchain/smart contracts, amplified with machine learning/AI; cheaper administration

▪ Faster Miracles (for Everyone)
  ▪ Problem: 17 years from bench to bedside; **2-5 years on administrative processes (my estimate)**
  ▪ Solution: Faster time from idea to treatment; improved outcomes with accelerated research and higher quality data; improved tracking of individual contribution allowing for expanded permissioned access of data to more researchers; faster administrative processes (e.g. IRB, grant review)

Questions to consider across the steps in science: