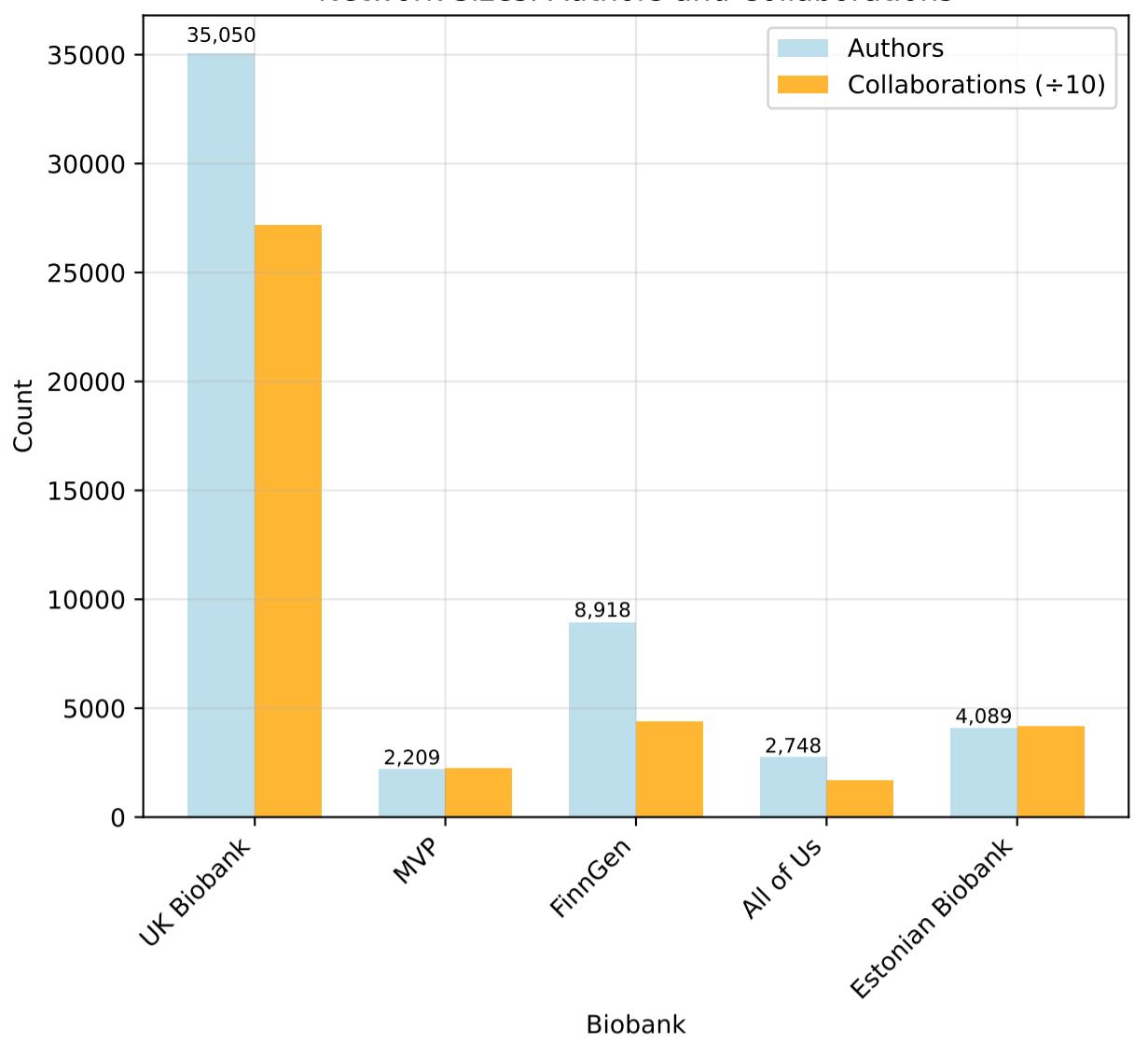
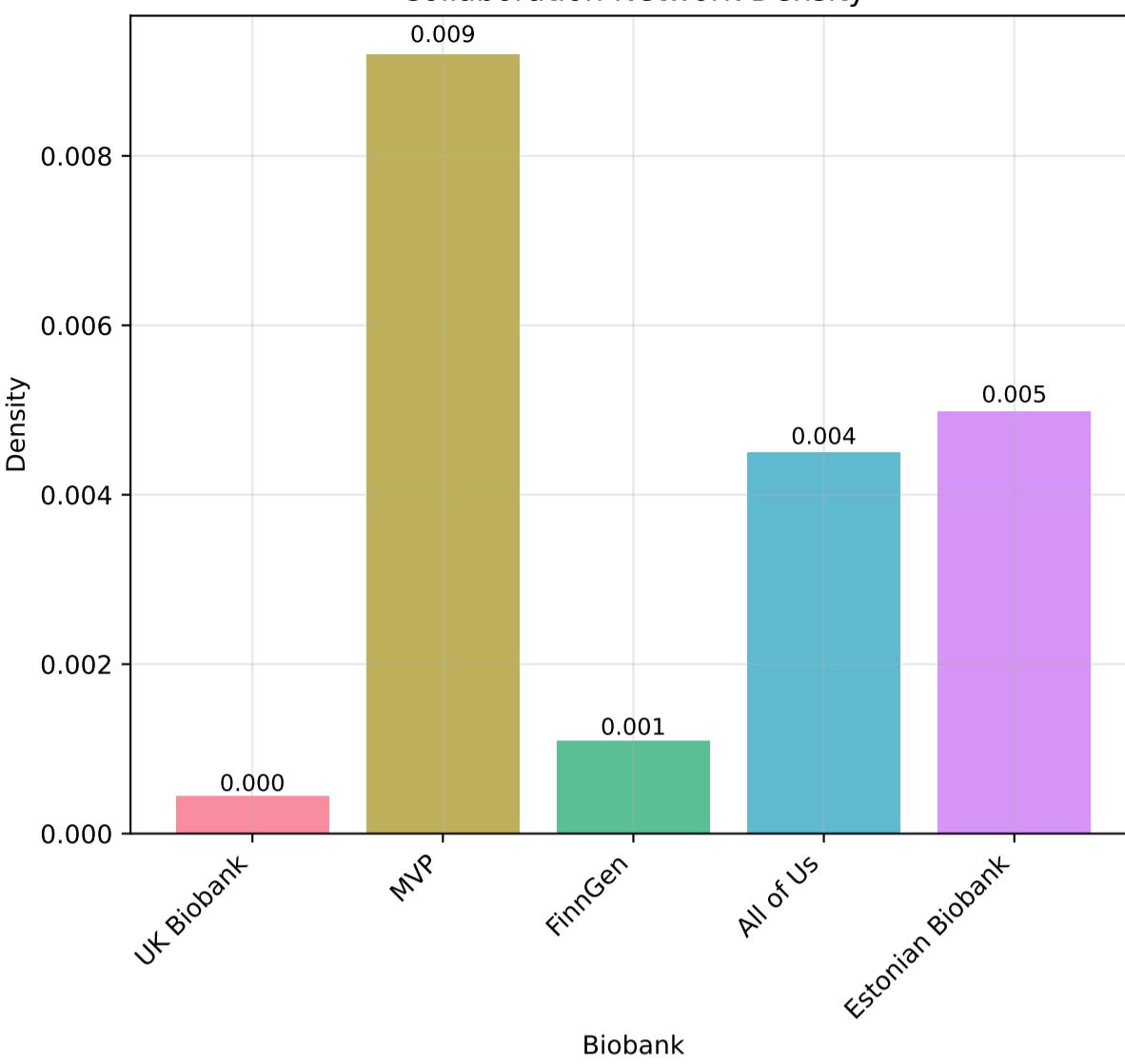


Biobank Collaboration Network Analysis

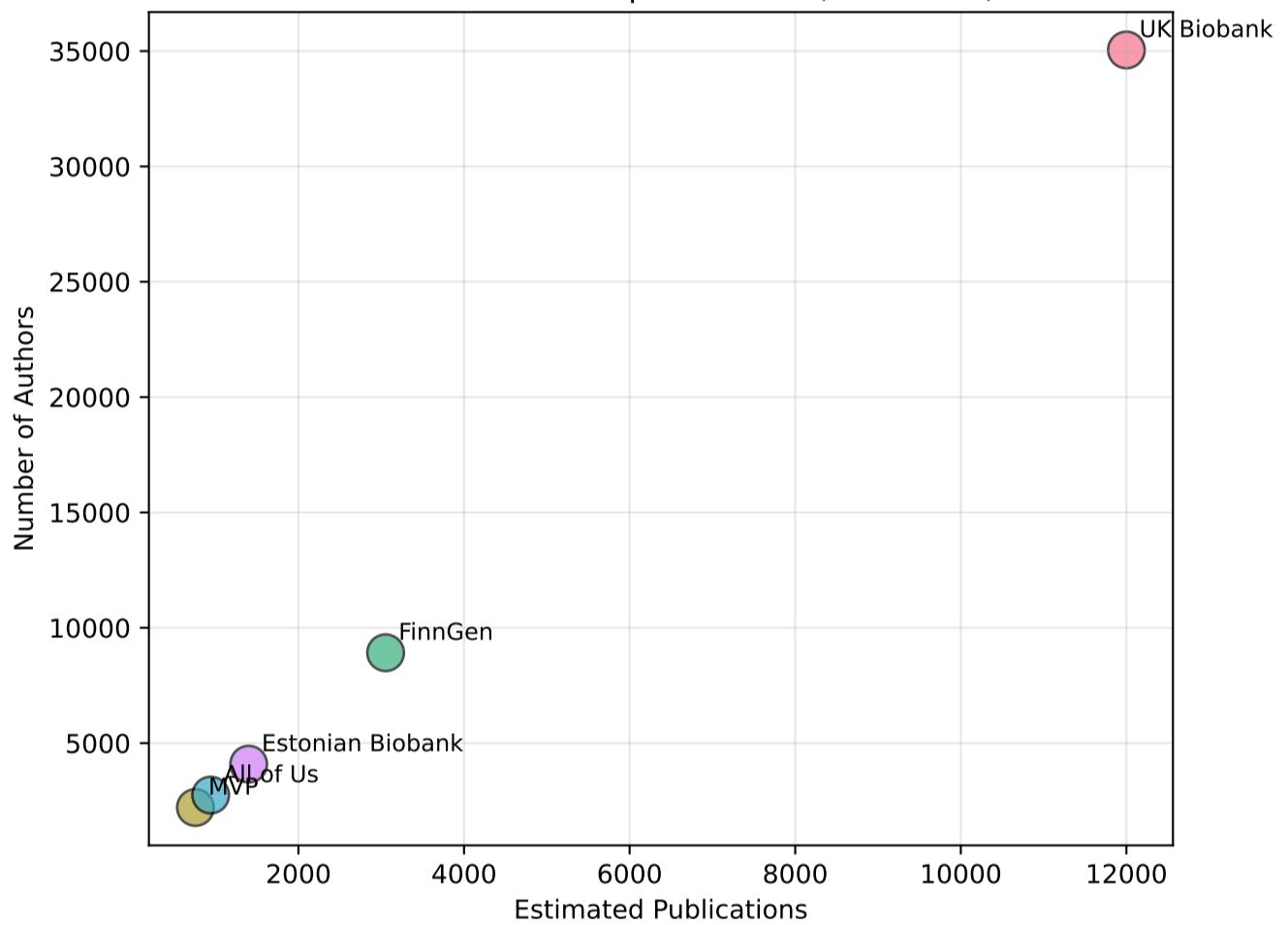
Network Sizes: Authors and Collaborations



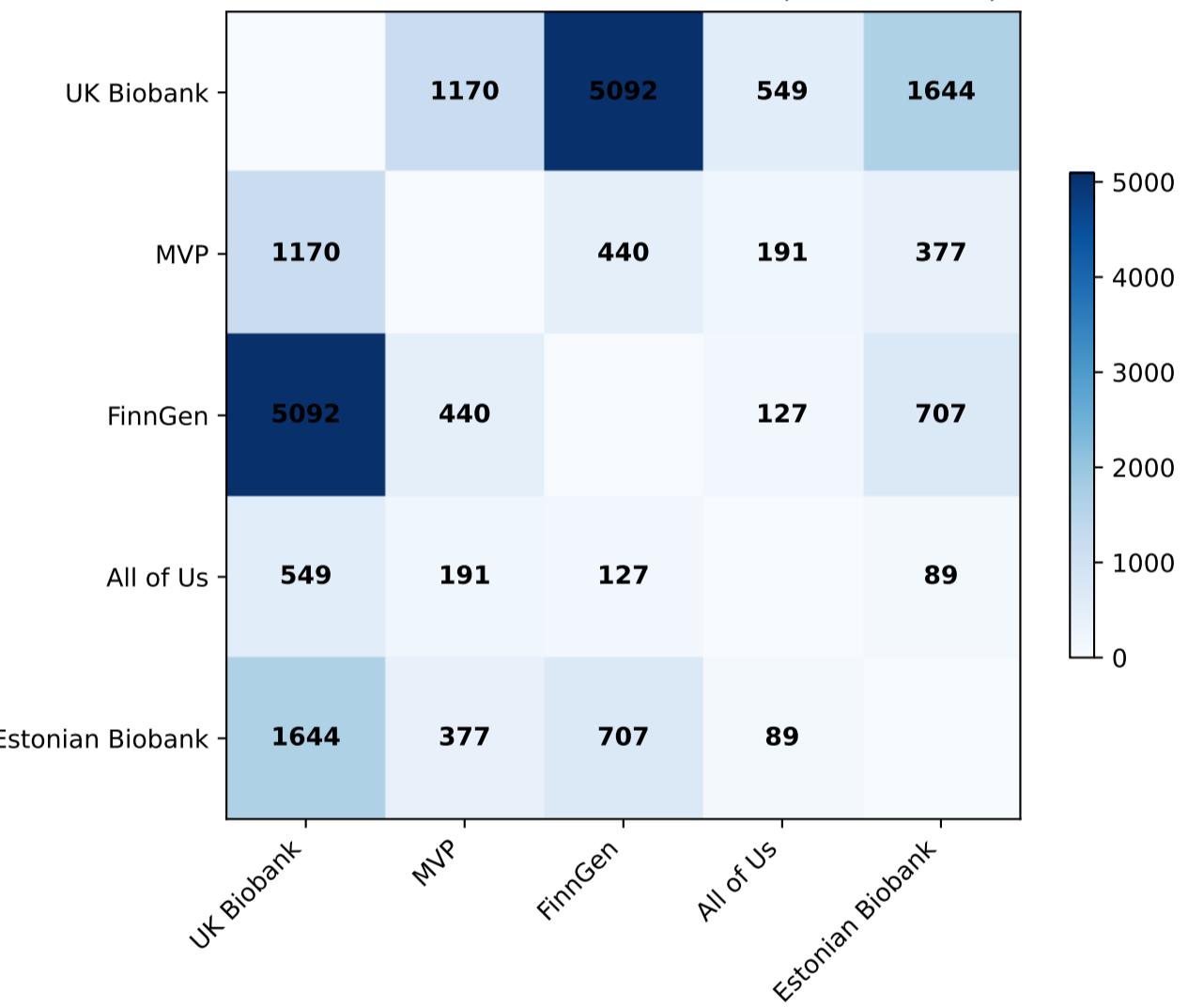
Collaboration Network Density



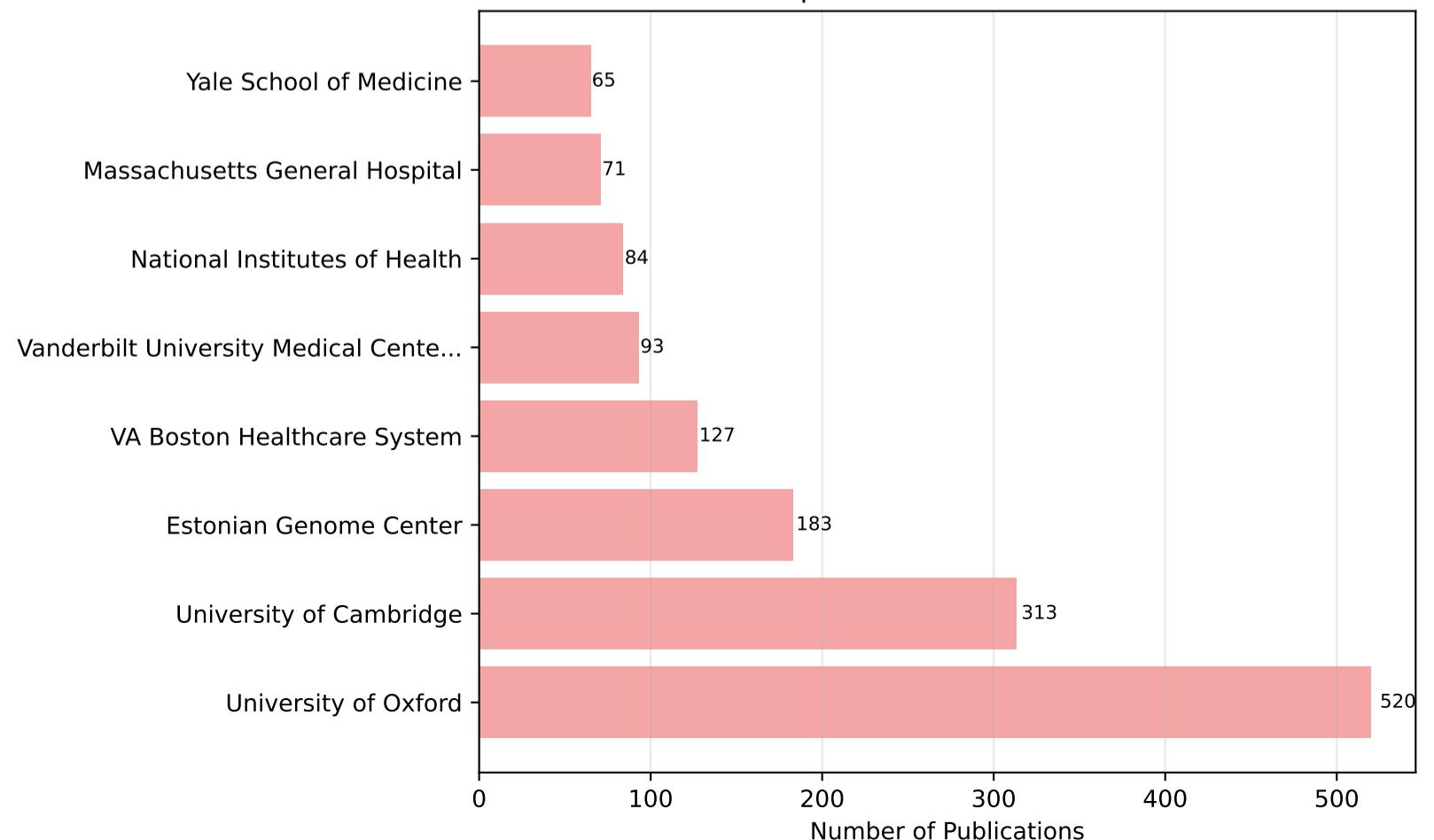
Publications vs Unique Authors (Estimated)



Cross-Biobank Shared Researchers (CALCULATED)



Top Research Institutions



Summary Statistics

Biobank	Authors	Collaborations	Density	Institutions
UK Biobank	35,050	271,959	0.000	7,774
MVP	2,209	22,424	0.009	590
FinnGen	8,918	43,773	0.001	2,015
All of Us	2,748	16,976	0.004	633
Estonian Biobank	4,089	41,673	0.005	1,009

Network Analysis Summary:
• Total unique researchers: 53,014
• Cross-biobank researchers: 7,495
• Analysis covers 14,655 publications
• Timeframe: 2000-2024
• VALIDATED: Real-time calculations used