Supplementary Table 1. Top 10 institutions without system-level consolidation (WoS-native labels)

Rank	Institution (WoS label)	Documents	Times cited	H-index	Citation density
1	Tech Univ Munich	36	242	10	3.67
2	Sun Yat Sen Univ	26	207	6	4.81
3	Harvard Med Sch	25	448	10	8.45
4	Mayo Clin	23	171	5	4.28
5	Stanford Univ	22	633	9	13.47
6	Yonsei Univ	22	248	6	6.70
7	Univ Calif San Francisco	18	228	7	6.91
8	Shanghai Jiao Tong Univ	17	172	6	4.78
9	Univ Freiburg	16	269	8	7.69
10	Massachusetts Gen Hosp	16	249	7	7.78

Citation density = mean citations per document per year since publication. The primary analysis (Table 2) uses system-level consolidation (Appendix 2.3).

Supplementary Table 2. Period-stratified author-keyword frequencies (harmonized; full per-term counts)

Keyword	Overall	2022–2023 (n=36)	2024 (n = 147)	2025–July 2026 (n = 667)	Sum check
large language models	433	7 (19.4%)	52 (35.4%)	374 (56.1%)	OK
artificial intelligence	291	13 (36.1%)	53 (36.1%)	225 (33.7%)	OK
chatgpt	129	9 (25.0%)	38 (25.9%)	82 (12.3%)	OK
radiology	107	7 (19.4%)	21 (14.3%)	79 (11.8%)	OK
natural language processing	107	8 (22.2%)	22 (15.0%)	77 (11.5%)	OK
magnetic resonance imaging	49	0 (0.0%)	4 (2.7%)	45 (6.7%)	OK
radiology reports	48	1 (2.8%)	6 (4.1%)	41 (6.1%)	OK
deep learning	37	1 (2.8%)	4 (2.7%)	32 (4.8%)	OK
computed tomography	31	1 (2.8%)	5 (3.4%)	25 (3.7%)	OK
generative artificial intelligence	20	1 (2.8%)	5 (3.4%)	14 (2.1%)	OK
gpt-4	20	3 (8.3%)	6 (4.1%)	11 (1.6%)	OK
clinical decision support	18	1 (2.8%)	3 (2.0%)	14 (2.1%)	OK

Values are numbers of articles listing the keyword (percentage of period articles); full counting, one count per article per keyword. Every row satisfies overall = sum of the three periods (verified programmatically for all 1,675 harmonized terms).

Supplementary Table 3. Network centrality metrics for the co-authorship networks (top 10 by total link strength at each level). Total link strength (TLS) as computed by VOSviewer (full counting, association-strength normalization); degree = number of distinct co-authorship partners in the displayed network; betweenness = weighted betweenness centrality (edge weights inverted as distances), normalized to [0,1], computed with NetworkX 3.4.2. Metrics are reported descriptively.

Level	Item	Documents	TLS	Degree	Betweenness
Country	**USA**	**268**	**142**	**22**	**0.6159**
Country	**Germany**	**128**	**89**	**21**	**0.2893**
Country	China (Mainland)	195	84	22	0.2035
Country	England	33	55	15	0.0
Country	Turkiye	84	40	15	0.0172
Country	Switzerland	29	39	12	0.0
Country	France	18	28	12	0.0
Country	Netherlands	12	26	12	0.0233
Country	Italy	18	25	14	0.048
Country	Australia	17	22	11	0.0016
Institution	Harvard University System	31	70	42	0.332
Institution	Tech Univ Munich	37	55	21	0.2358
Institution	University Of California System	32	50	30	0.252
Institution	Rwth Aachen	15	39	16	0.0334
Institution	Charite Univ Med Berlin	15	38	11	0.0
Institution	Free Univ Berlin	11	38	11	0.0
Institution	Humboldt Univ	10	37	11	0.0
Institution	Stanford Univ	22	37	23	0.0841
Institution	Sun Yat Sen Univ	26	34	23	0.0962
Institution	Mayo Clin	23	33	18	0.0681
Author	Bressem, Keno K.	20	94	17	0.4924
Author	Adams, Lisa C.	19	90	17	0.0445
Author	Makowski, Marcus R.	17	86	14	0.214
Author	Busch, Felix	17	85	14	0.0104
Author	Ziegelmayer, Sebastian	9	52	13	0.0
Author	Kim, Su Hwan	8	40	11	0.1174
Author	Truhn, Daniel	12	40	12	0.5189
Author	Prucker, Philipp	6	37	11	0.0
Author	Mergen, Markus	8	31	9	0.0
Author	Spitzl, Daniel	8	31	9	0.0