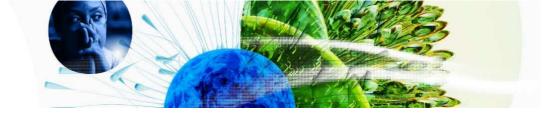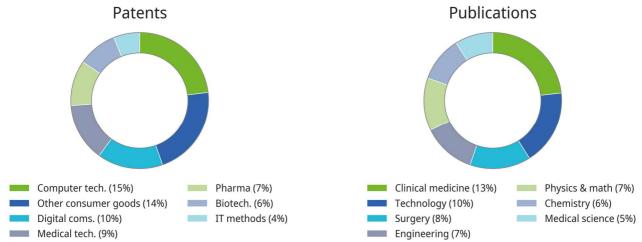# London, United Kingdom

London is the top-ranked cluster, out of 3 British clusters, that falls within the top 100 S&T clusters in 2023. It filed 586 PCT applications and published 5,788 scientific articles, both per 1 million inhabitants over the last five years, making it the:

20th largest science and technology cluster in 2023 (down two spots from 2022)

72nd S&T cluster by intensity (relative to population density) in 2023 (down two spots from 2022)

Top PCT applicants

		Patents	Share
1	Nicoventures Trading	557	9%
2	British Telecom	394	7%
3	Imperial Innovations	262	4%

Top publishing organizations

		Articles	Share
1	University College London	15,456	26%
2	Imperial College London	12,840	22%
3	Kings College London	3,762	6%

Top technology fields in London

Patents

- Computer tech. (15%)
- Other consumer goods (14%)
- Digital coms. (10%)
- Medical tech. (9%)
- Pharma (7%)
- Biotech. (6%)
- IT methods (4%)

Publications

- Clinical medicine (13%)
- Technology (10%)
- Surgery (8%)
- Engineering (7%)
- Physics & math (7%)
- Chemistry (6%)
- Medical science (5%)

25% of London's PCT patent applications are filed in collaboration with other inventors, with Cambridge, San Jose–San Francisco and Boston–Cambridge emerging as the top collaborative locations.

74% of London's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being Oxford, Amsterdam–Rotterdam and Paris.