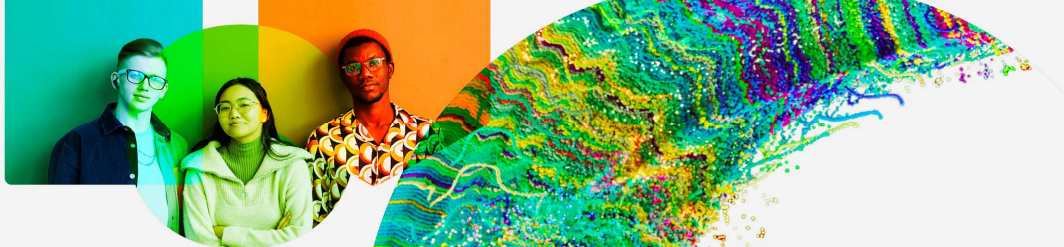


# Global Innovation Index 2024



## Heidelberg–Mannheim, Germany

Heidelberg–Mannheim is the sixth-ranked cluster, out of 8 German clusters, that falls within the top 100 S&T clusters in 2024. It filed **1,968 PCT applications** and published **6,716 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

**64<sup>th</sup>** largest science and technology cluster in 2024

**28<sup>th</sup>** S&T cluster by intensity (relative to population density) in 2024

### Top PCT applicants

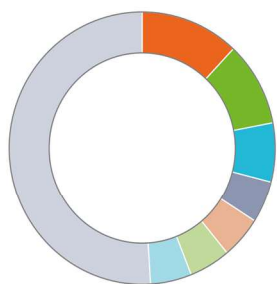
		Patents	Share
1	BASF	1,608	41%
2	F. HOFFMANN-LA ROCHE	115	3%
3	NEC LABORATORIES EUROPE GMBH	114	3%

### Top publishing organizations

		Articles	Share
1	RUPRECHT KARLS UNIVERSITY HEIDELBERG	8,164	61%
2	GERMAN CANCER RESEARCH CENTER (DKFZ)	1,331	10%
3	MAX PLANCK SOCIETY	921	7%

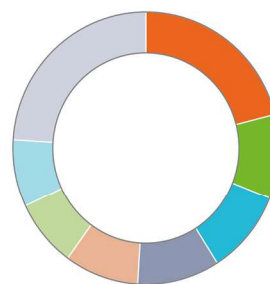
### Top technology fields in Heidelberg–Mannheim

Patents



Basic materials chem. (12%)	Electrical machinery (5%)
Organic fine chem. (10%)	Measurement (5%)
Molecular chem. (7%)	Chem. engineering (5%)
Computer tech. (5%)	Other (51%)

Publications



Clinical medicine (21%)	Technology (9%)
Biochem. & biotech. (10%)	Physics & math (8%)
Surgery (10%)	Chemistry (8%)
Earth sciences (10%)	Other (24%)

**45%** of Heidelberg–Mannheim's PCT patent applications are filed in collaboration with other inventors, with **Frankfurt am Main**, **Karlsruhe** and **Stuttgart** emerging as the top collaborative locations.

**82%** of Heidelberg–Mannheim's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Cologne**, **Munich** and **Berlin**.