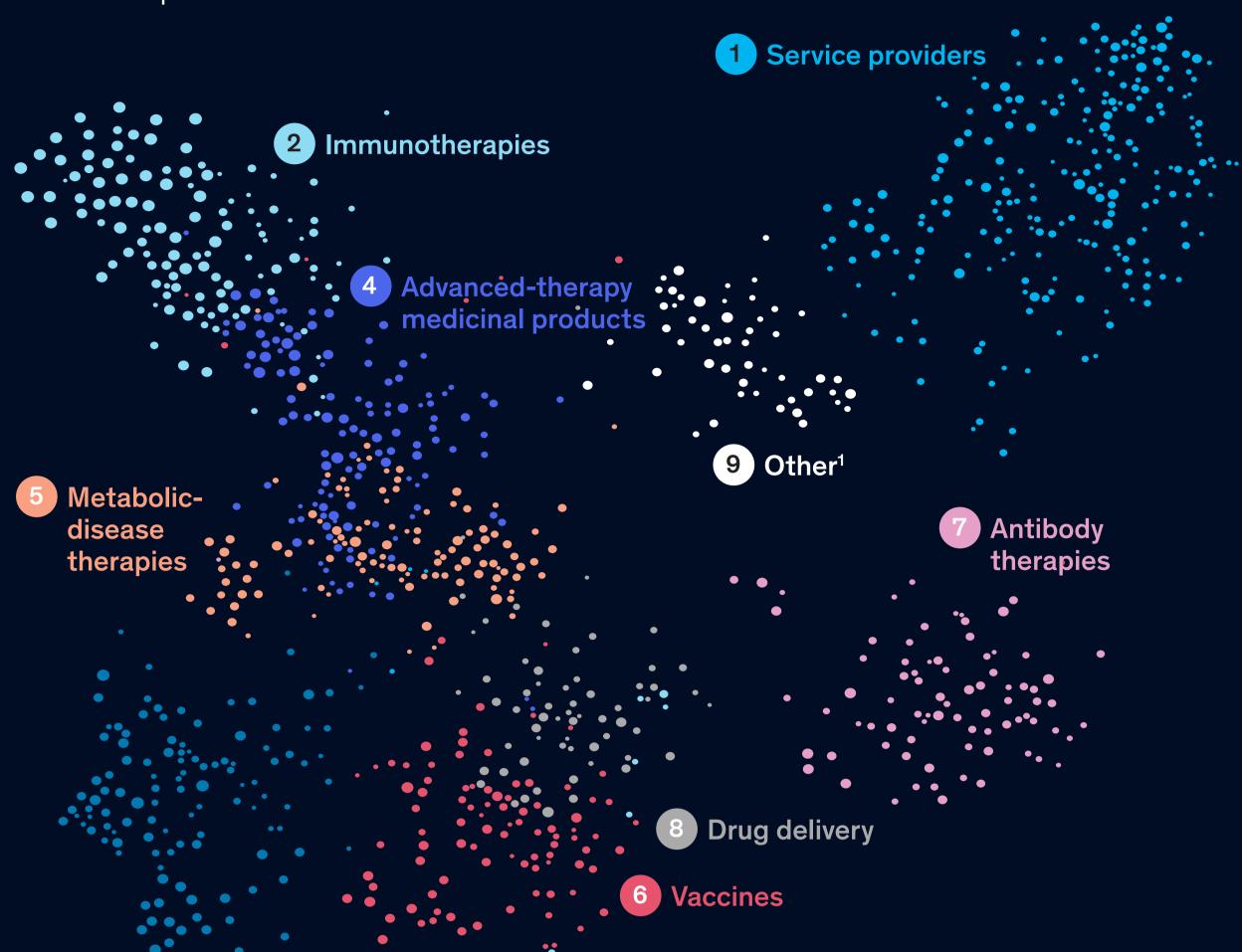
## Biotech hot spots in a fragmented European landscape

Mapping ~1,000 European biotechs by country, modality, and therapeutic area reveals 8 clusters



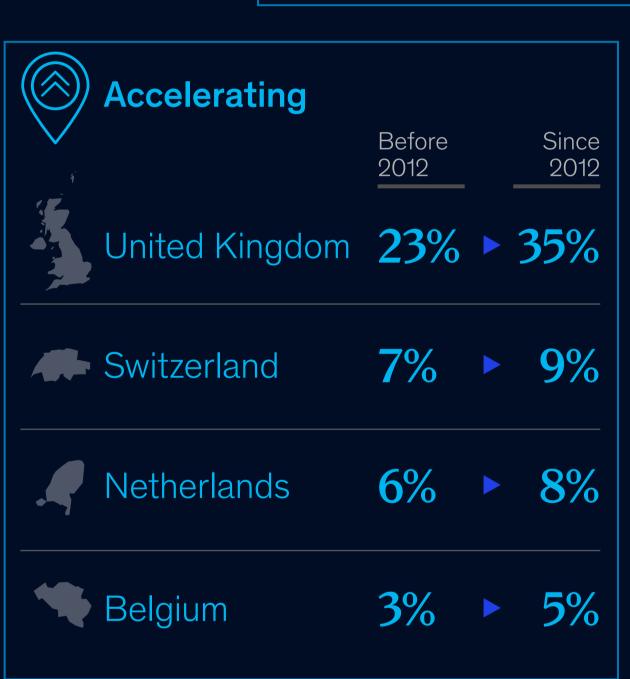
Share of landscape, %

25	13	12	12	11	10	10	6 1 = 100

Brain and neuronal therapies



Total investment compared with has increased previous 7 years over past 7 years

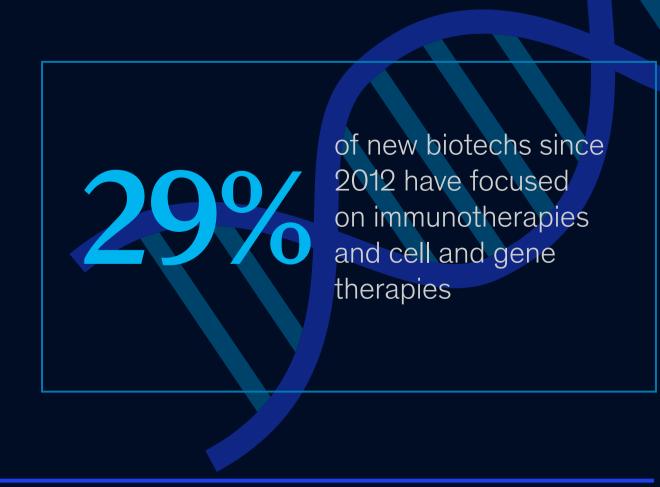


<b>Decelerating</b>	Before Since 2012 2012
France	12% > 10%
Germany	11% > 7%
Israel	9% > 7%
Sweden	10% > 5%

## Top therapeutic modalities (new biotechs) Modality focus of new companies

founded 2012-18, % of total

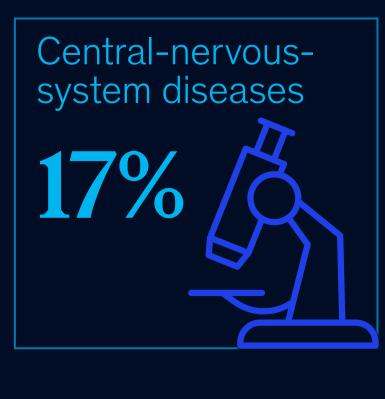
Diagnostics	22%
Drug-discovery tools and services	20%
Immunotherapies	16%
Cell and gene therapies	13%





Top therapeutic areas





Sources: BCIQ, BioCentury, February/March 2019, biocentury.com; Pharmaprojects, Informa, 2019, pharmaintelligence.informa.com; PitchBook, PitchBook Data, February 2019, pitchbook.com; McKinsey analysis