



1013 partnership deals worldwide

Total worth > \$102 Bn*

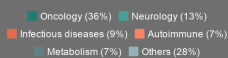
Average deal value \$460 M*
Median value \$162 M*



36% of deals in oncology



13% in neurology



54% of deals for biologics



28% for small molecules



7% for screening



6% for diagnostics



38% antibodies



15% protein / peptide / Ez



14% cell therapy



9% biomarker



9% Gene therapy



8% DNA / RNA

Stage of program at signing and deal type



43% of deals are licensing agreements

20% are R&D only

American companies are present in 7 out of 10 top deals

Top 3 deals worldwide

Rank	Deal Value	Stage	Therapeutic Area	Licensors	Licensee
#1	\$5.8 Bn	Stage - marketed	Small molecules Oncology	Novartis, Eisai	Merck
#2	\$5 Bn	Antibody	Oncology	Affimed	Genentech
#3	\$3.7 Bn	Stage - Phase III	sRNA Infectious (HBV)	Arrowhead, Novartis	Johansen-Johnsen

Top 3 deals with French biotech

Rank	Deal Value	Stage	Therapeutic Area	Licensors	Licensee
#1	\$705 M	Stage - phase I	Small molecules Autoimmune	enterome, Eisai	Takeda
#2	\$660 M	Stage - phase III	Small molecules Metabolism	Poxel, Novartis	Roivant
#3	\$2,9 M	Stage - Market	Diagnostics Infectious Diseases	NOVACYT, Omega	Omega

Source: BioCentury (March 2019)
* Based on deals and operations where information was communicated



115 M&A operations worldwide

95 acquisitions
20 mergers

Total worth > \$ 144 Bn*

Average deal value \$2 Bn*
Median value \$162 M*

Stage of target company at signing

Main therapeutic areas of companies



35% in oncology



13% in neurology



12% in immune system



10% in metabolism



51% of deals for biologics



33% for small molecules



15% for diagnostics



25% antibodies



25% cell therapy



20% protein / peptide / Ez



15% viral



5% biomarker



5% DNA / RNA



5% Gene therapy

Top 3 M&A operations

Full acquisitions

#1	\$62 Bn	Shire	UK	bought by	Takeda	Japan
#2	\$11.6 Bn	Bioverativ	USA	bought by	SANOFI	France
#3	\$9 Bn	Juno	USA	bought by	Celastor	USA

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