

# R&D Pipeline Summary – Total Projects<sup>(1)</sup>

Pipeline charts as communicated at Q2 2019 results meeting dated July 29, 2019

	Phase 1	Phase 2	Phase 3	Registration	TOTAL
Immuno-inflammation	2	8	7	2	19
Oncology	11	7	7	1	26
Rare Diseases	0	4	3	0	7
Rare Blood Disorders	4	0	3	0	7
Multiple Sclerosis and Neurology	3	3	2	0	8
Diabetes	1	0	1	1	3
Cardiovascular Disease	0	0	1	0	1
Vaccines	3	2	5	2	12
<b>TOTAL</b>	<b>24</b>	<b>24</b>	<b>29</b>	<b>6</b>	

48

35

**83**

**Total Projects**