



A 2025 VISION FOR CATALONIA

Scaling-up the BioRegion of Catalonia

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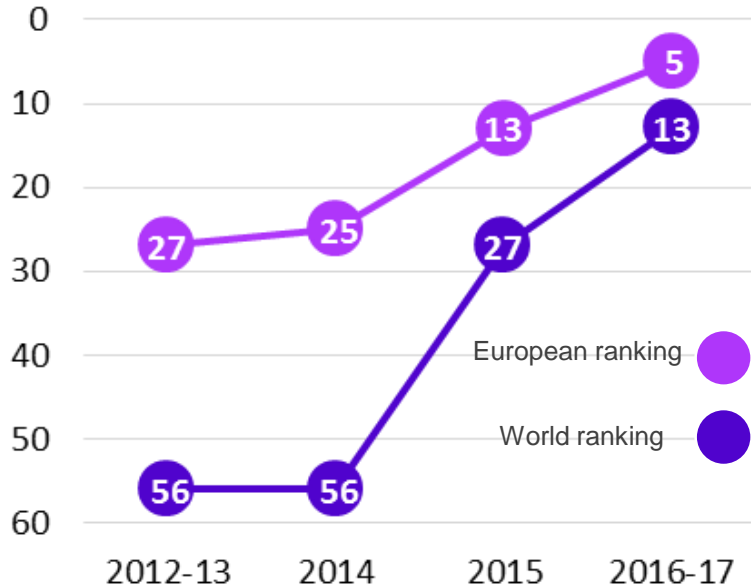
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CATALONIA / BARCELONA: A GROWING INNOVATION HUB IN EUROPE

INNOVATION IN CITIES AROUND THE WORLD, 2017
Position of Barcelona

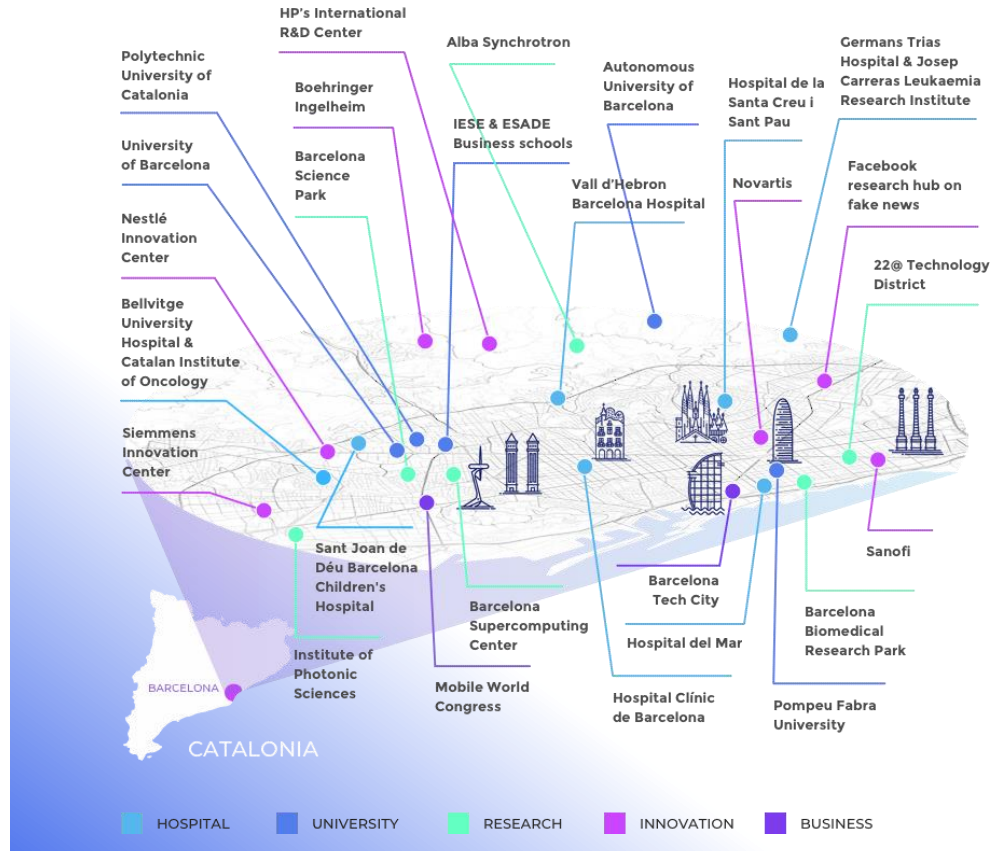


Source: 2thinknow, Innovation Cities Index

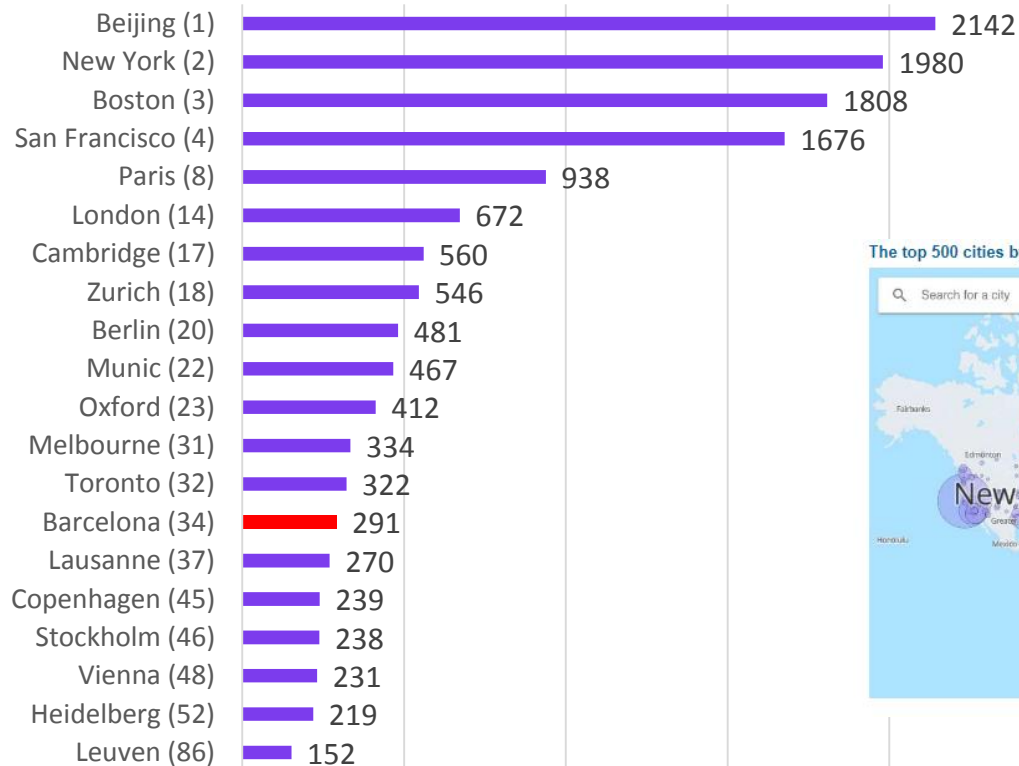


In the first semester of 2018, 17 multinationals announced new innovation set-ups in Catalonia.

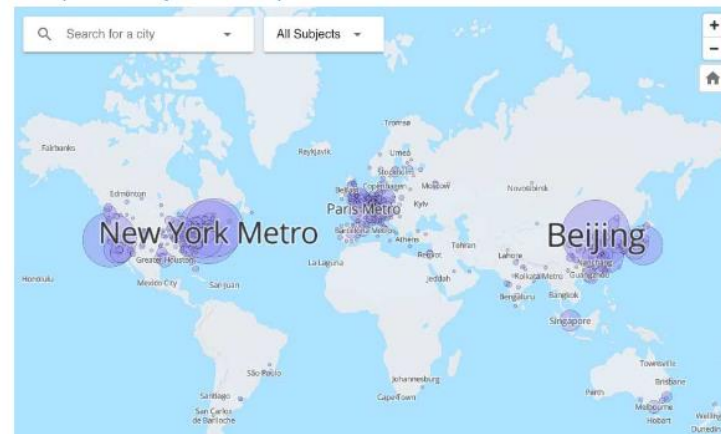
KEY SECTOR PLAYERS AT A WALKING DISTANCE



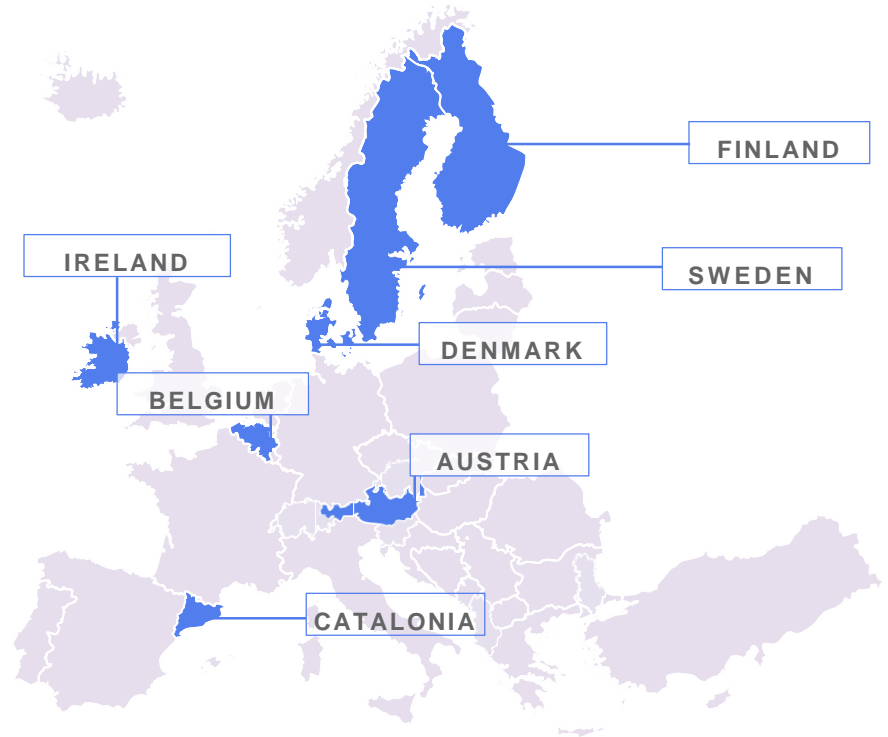
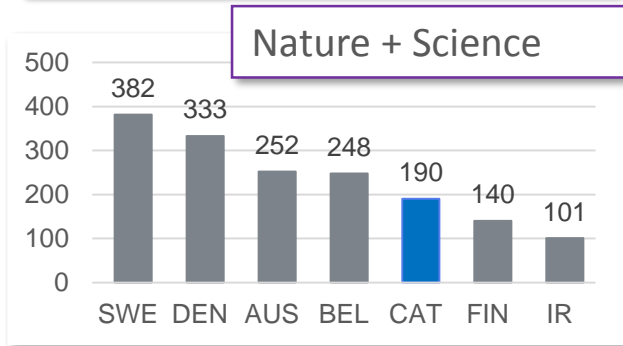
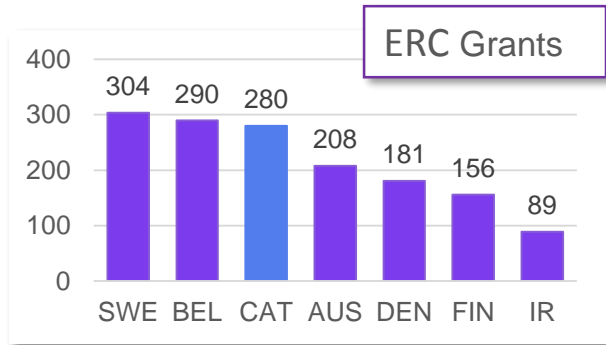
BARCELONA IS #34 IN SCIENCE OUTPUT WORLDWIDE (AND #8 IN EUROPE)



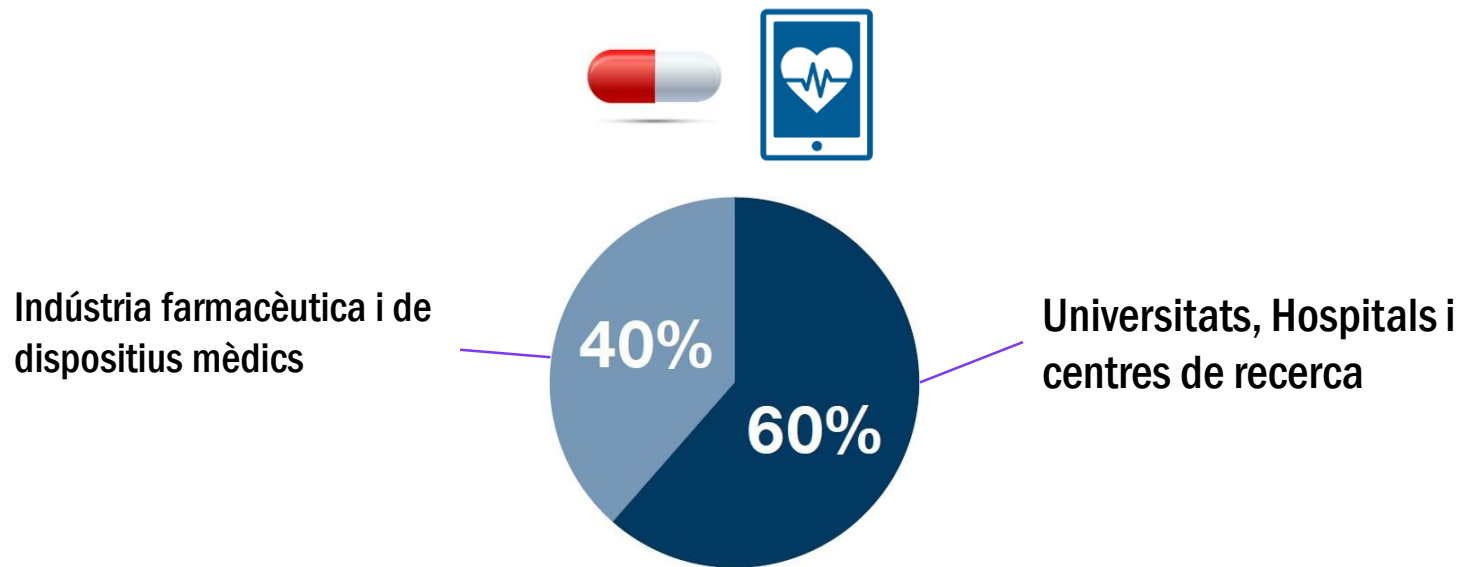
The top 500 cities by scientific output in 2017



CATALONIA IS CURRENTLY ONE OF THE LEADING SCIENTIFIC HUBS IN EUROPE



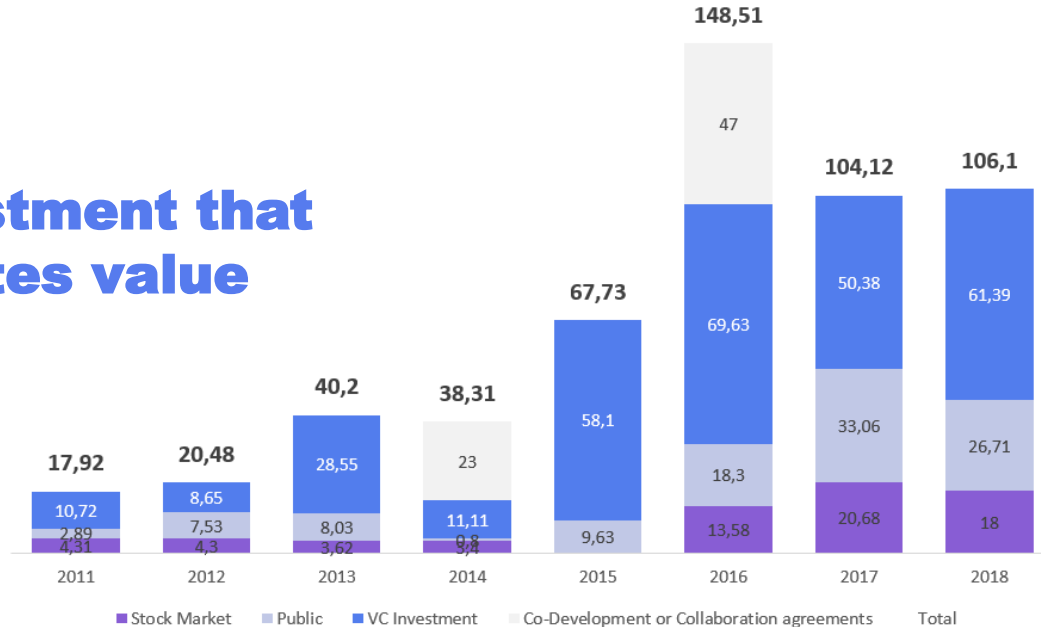
Descobriments de nous medicaments, dispositius mèdics o mètodes diagnòstics innovadors



Quin serà el paper de Catalunya en innovació en salut?

FINANCE RAISED IS ON UPWARD TREND, ESPECIALLY REGARDING PRIVATE INVESTMENT (investment in startups, in €M)

Investment that creates value

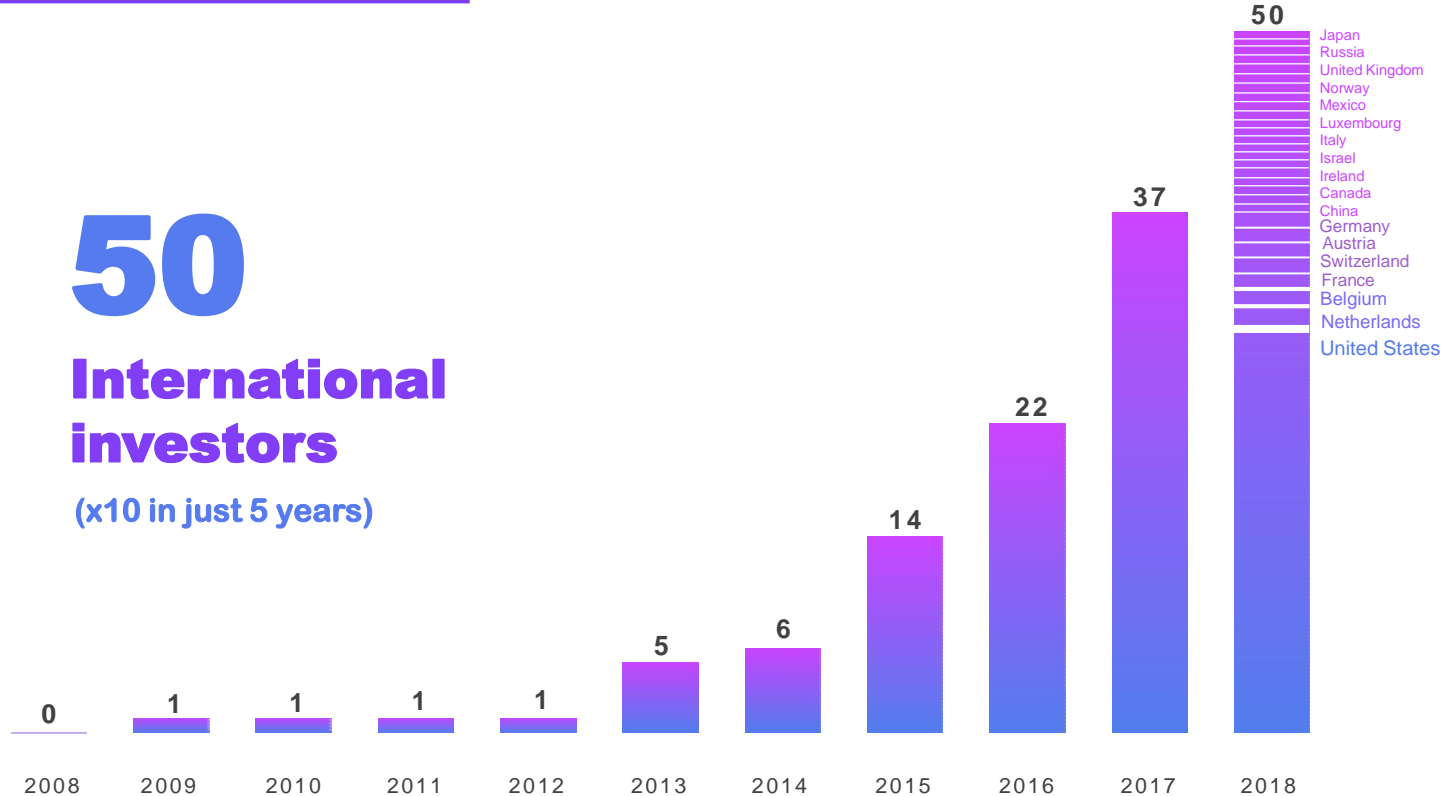


INTERNATIONAL INVESTORS ARE INCREASING
























































50

International investors

(x10 in just 5 years)



SUCCESS STORIES IN FUNDRAISING

	2015	2016	2017	2018
€11-50 M Invested	 	   	 	  
€1-10 M Invested	        	           	             	  <p>"Fighting Auto-Immune Diseases"</p>       



FUNDS RAISED BY ICREA-CO-FUNDED BIOTECH COMPANIES

Company	M€
Minoryx Therapeutics	49,7
Mosaic Biomedicals	47
Abac Therapeutics	16
Aelix Therapeutics	13,2
Bionure Farma	7
Ability Pharma	6,64
Peptomyc	6,4
Inbiomotion	4,55
Leukos Biotech	3,84
SOM Biotech	3,8
Albajuna Therapeutics	3,75
Iproteos	3,18
ProteoDesign	3,07
Sagettis Biotech	2,35
Ahead Therapeutics	1,3
VCN Biosciences	1,1
Nanoligent	0,89
Senolytic Therapeutics	0,76
FreeOx Biotech	0,7
Cytes Biotechnologies	0,58



- **70% of finance raised by biotech startups (≤ 10 years) are ICREA-co-founded**
- **There are 73 ICREA researchers and 6,500 CERCA researchers in life sciences**

PERFORMANCE IN TERMS OF SPINOFFS

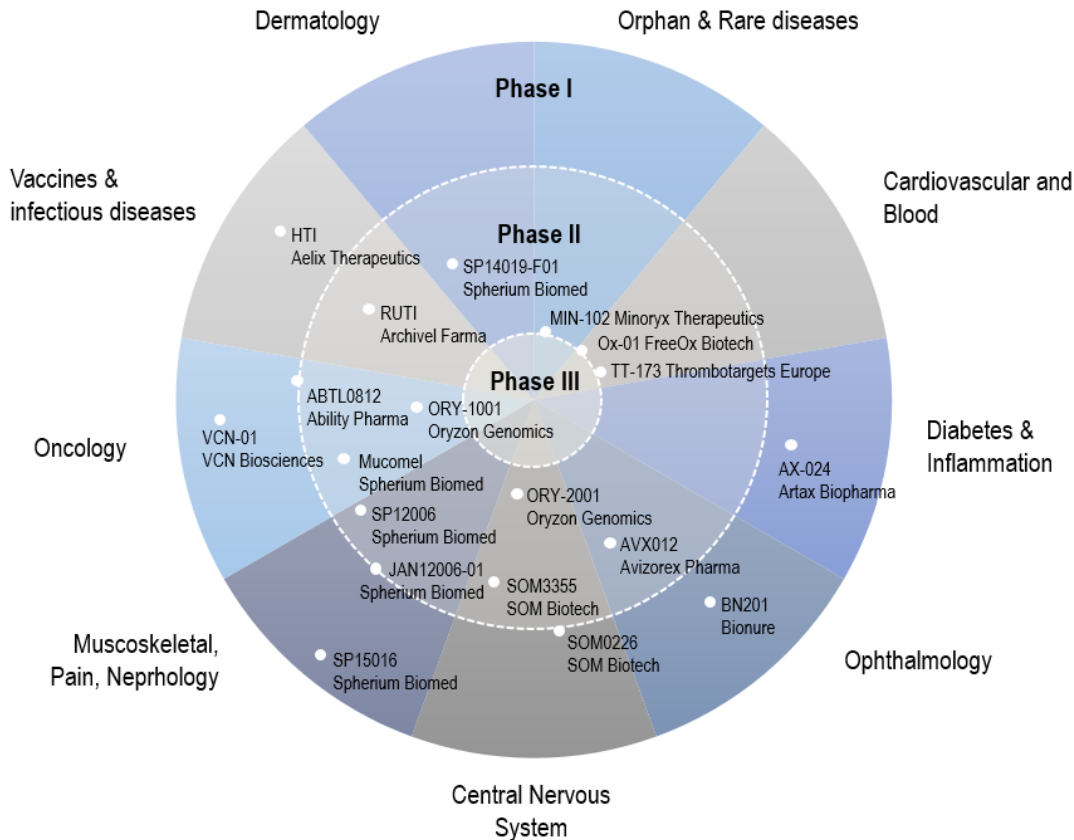
TOP 15 RESEARCH BODIES AND FINANCE RAISED BY SPINOFF

- Universities create more spinoffs than any other entity, but those created by **research centers are the most attractive for investors.**

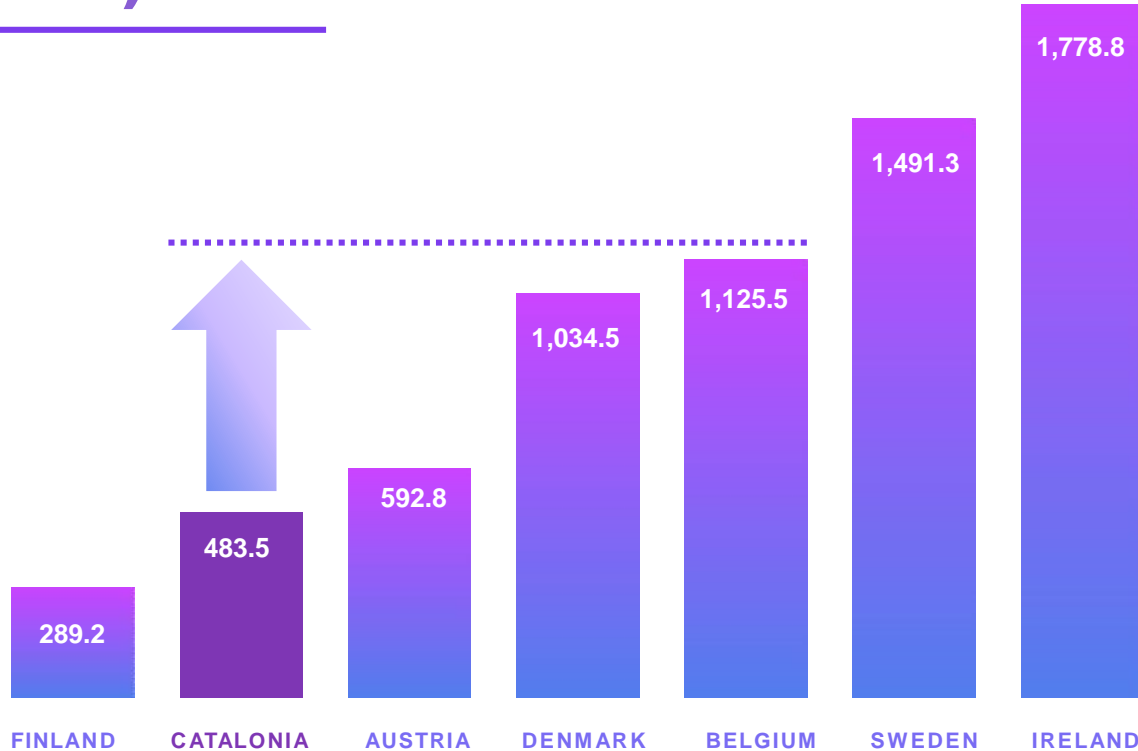
Research entities	Finance raised by spinoff companies (M€)
Vall d'Hebron (VHIR, VHIO)	54,5
Universitat de Barcelona (UB)*	54,4
Institut Químic de Sarrià (IQS)	34,8
Universitat Autònoma de Barcelona (UAB)	29,2
Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)	21,3
Institut de Recerca de la Sida (Irsi-Caixa)	15,3
Hospital Clínic de Barcelona	14,6
Institut de Recerca Biomèdica de Barcelona (IRB Barcelona)	10,8
Institut de Biologia Molecular de Barcelona (IBMB)	9,4
Institut de Recerca Contra la Leucèmia Josep Carreras (IJC)	3,8
Universitat Pompeu Fabra (UPF)	3,8
Universitat Politècnica de Catalunya (UPC)	3,7
Universitat Rovira i Virgili (URV)	3
Hospital de Sant Joan de Déu (HSJD)	2,6
Universitat de Girona (UdG)	2,5

MOVING CUTTING EDGE SCIENCE TOWARDS PATIENTS

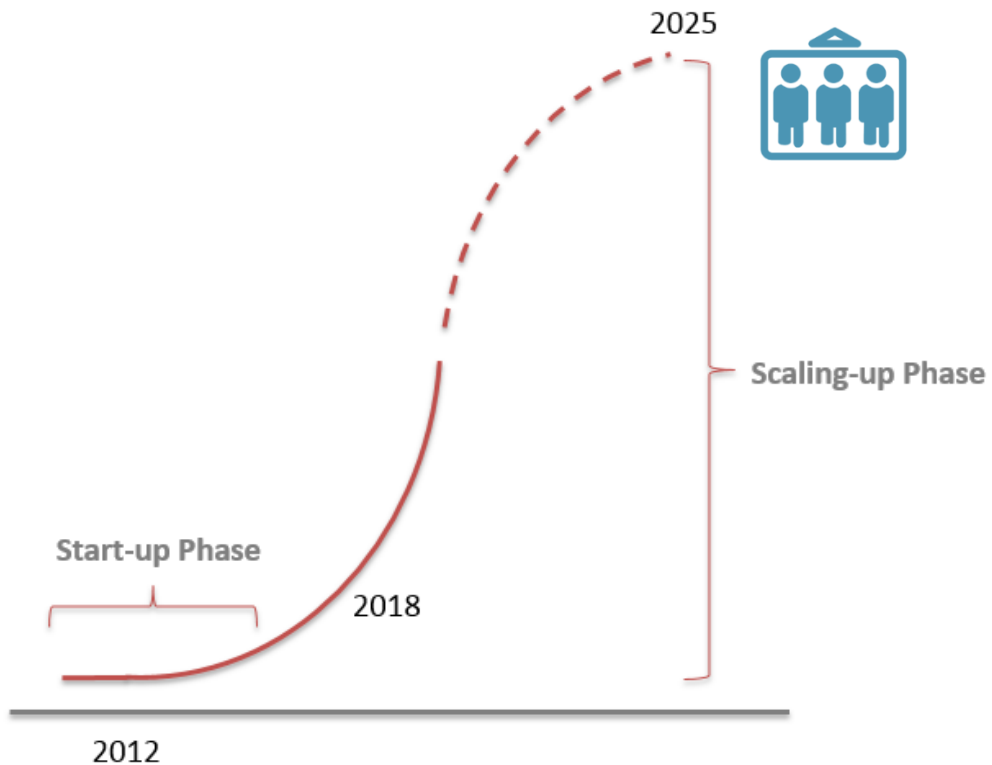
19 new therapies developed by new companies



LIFE SCIENCES VENTURE FINANCING (€M) BY COUNTRY (2000-2017)



VISION 2025



KEY STRENGTHS

- 1. EXCELLENT SCIENCE**
- 2. ENTREPRENEURIAL SPIRIT AND CREATIVITY**
- 3. PROFESSIONAL TALENT AND INNOVATIVE
INDUSTRY**
- 4. LOCAL INVESTORS AND SMART MONEY**
- 5. REASONABLE ADMINISTRATION**
- 6. VALUES**



Many hubs start-up... just a few scale-up

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