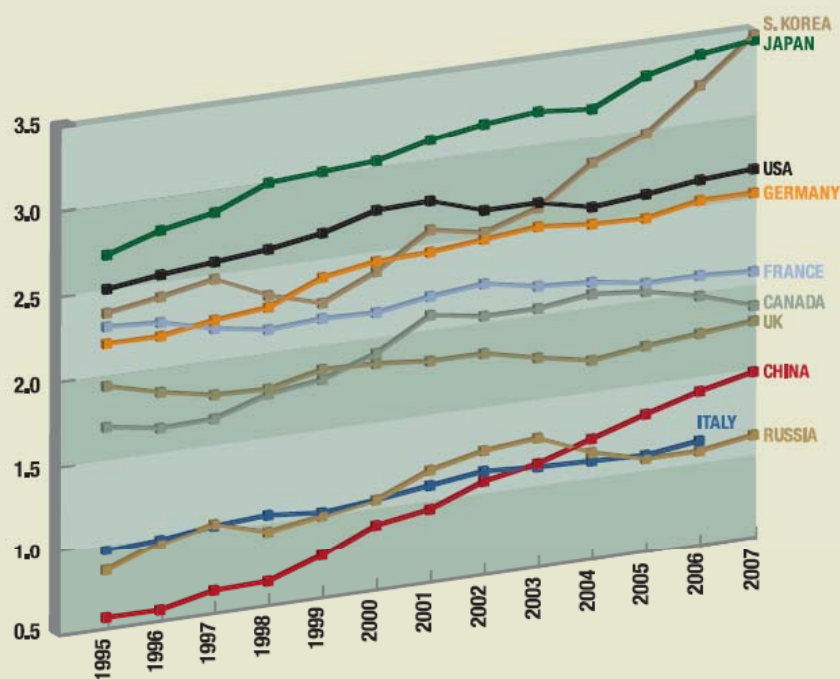


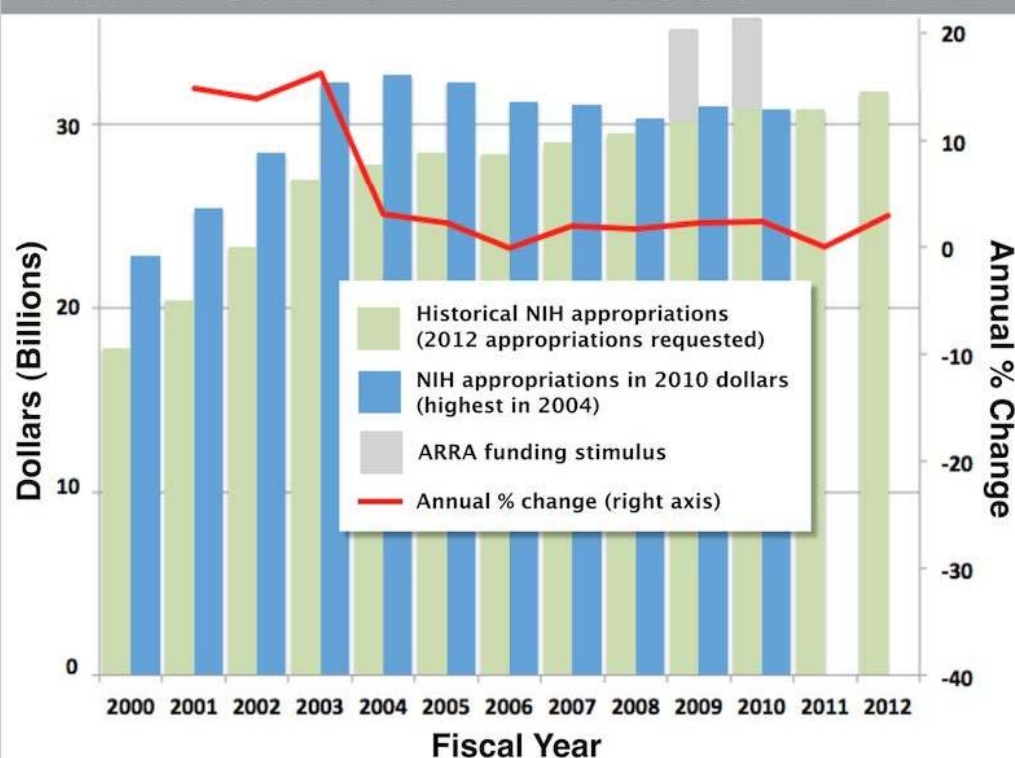


# A flat landscape at home...

National Research and Development Investment (Percent of GDP)



NIH FUNDING FY 2000 – 2012



Source: Cancer Progress Report  
AACR Sep. 2011

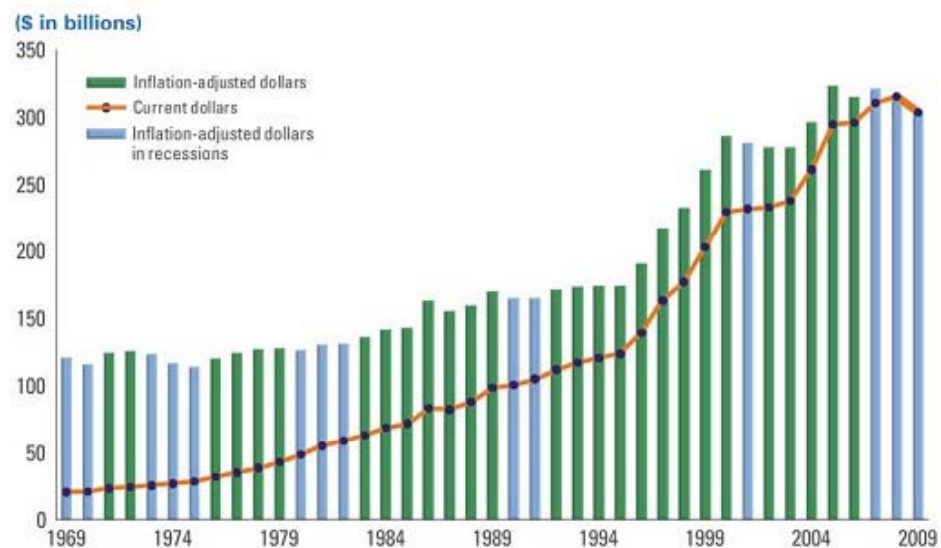
J. Mervis, Fewer Dollars. Forced Choices Science November 11, 2011

Y.DeClerck USC Senate-Provost Retreat  
Jan2012



# Opportunities

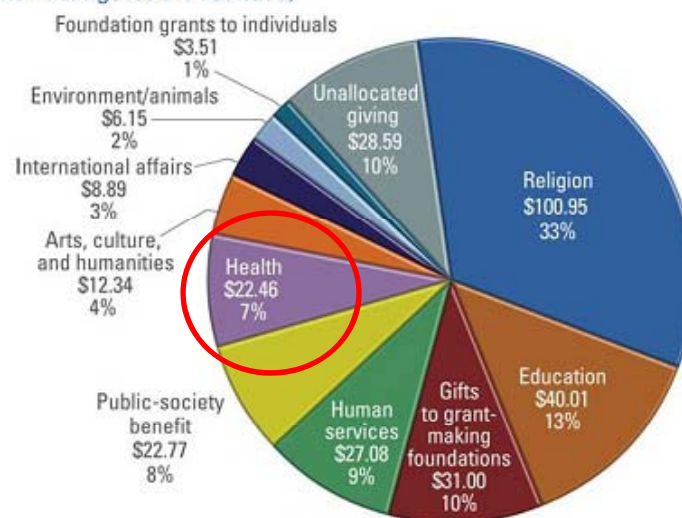
## Total giving, 1969–2009



Source: Giving USA Foundation™ / GIVING USA 20

## Types of recipients of contributions, 2009 Total = \$303.75 billion

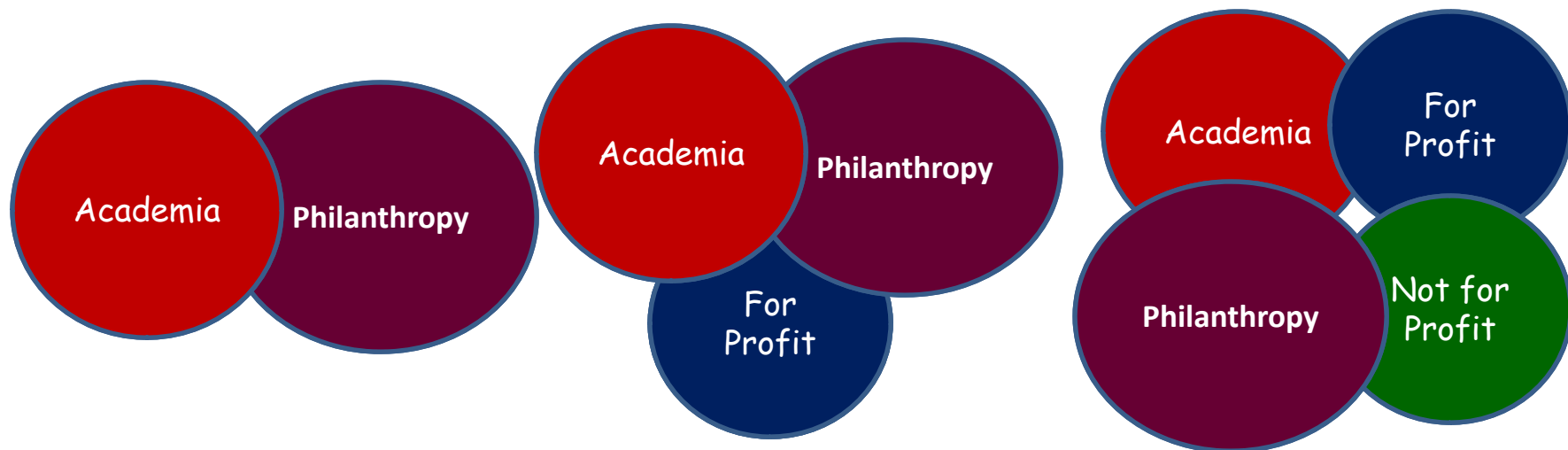
(\$ in billions – All figures are rounded)



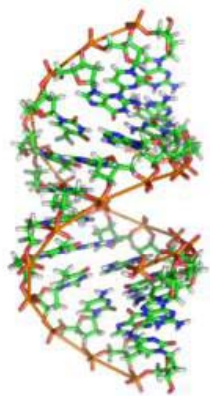
Source: Giving USA Foundation™ / GIVING USA 2010



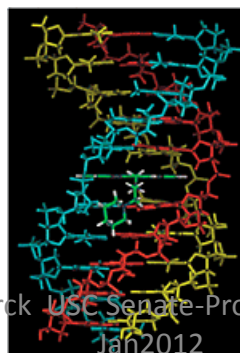
# Models for Philanthropy



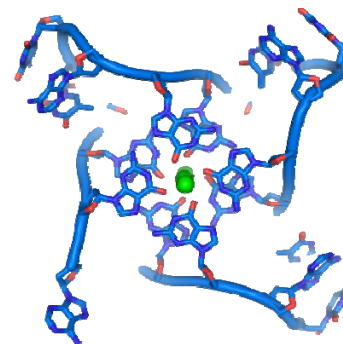
Double helix



Triple helix



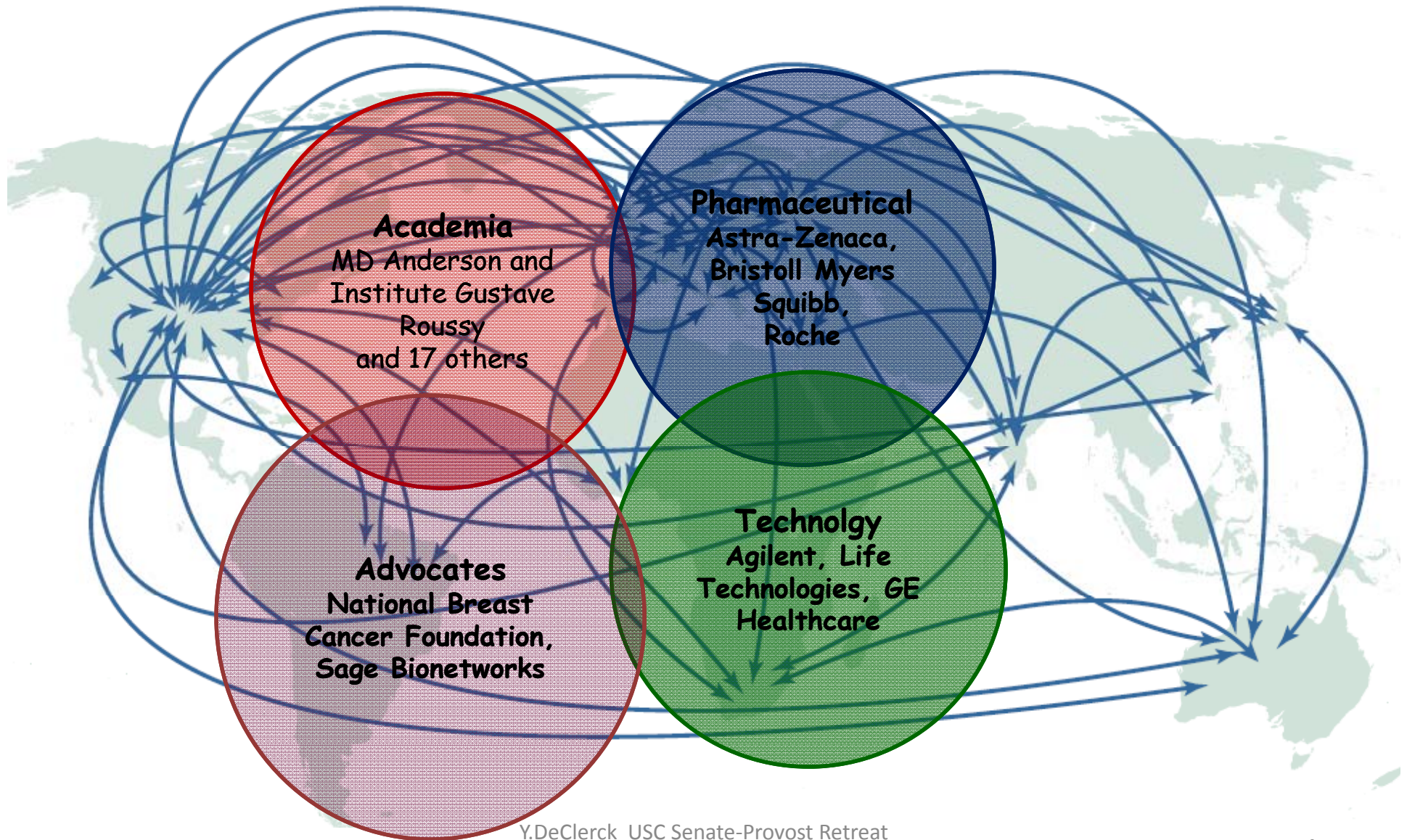
Quadruple helix





# World Wide Initiative Network (WIN)

## Multidisciplinary Teams

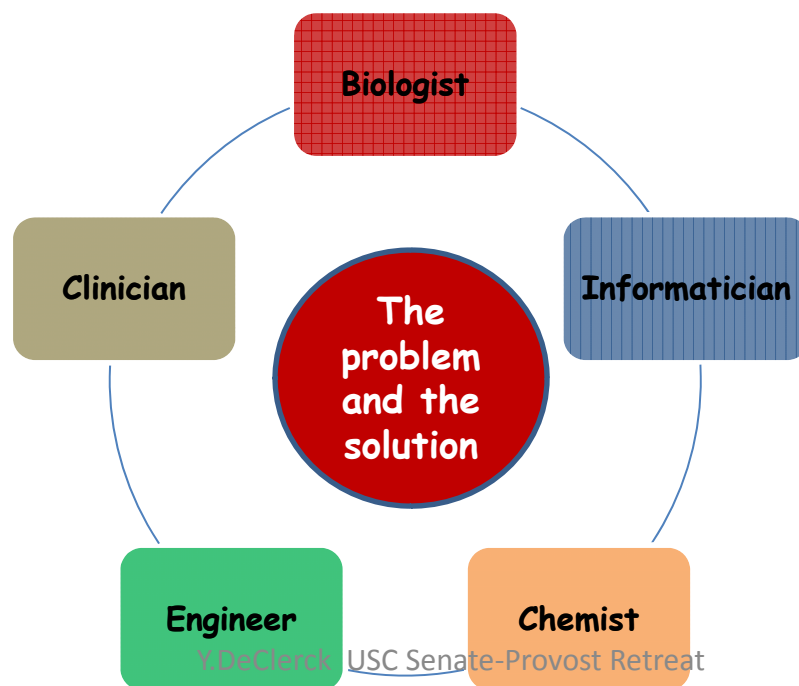
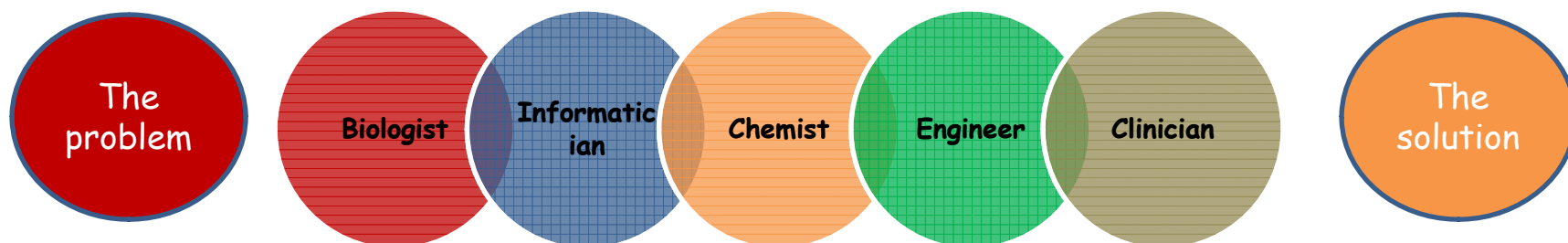


Y.DeClerck USC Senate-Provost Retreat

Jan2012

Mendelsohn, J. et al. Nat. Rev. Clin. Oncol. 8, 133-134

# Team science and convergent science



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(P. Sharp and R. Langer Science July 2011)



**USC**

# Imagining a USC Faculty in 2022

		2011	2022
<b>Title:</b>		Associate Professor	Associate Professor
<b>School</b>		KSOM	KSOM, Viterbi, Annenberg
<b>Department</b>		Pediatrics	Pediatrics, Electrical Engineering, Communication
<b>Total Funding</b>	Annual DC	\$ 500,000	\$ 1,000,000
	Annual IC	\$ 300,000	\$ 300,000
<b>Funding Source</b>	Federal	80%	50%
	Industry	5%	15%
	Private	15%	35%
<b>Types of Grants</b>	R01	2	1
	R21	1	0
	P01		1
	U01, U54		1
<b>Role in grants</b>	PI	3	1
	Co-Invest.	0	2
<b>Publications</b>	Total	60	60
	First/last	30	10
	Average Impact	4.5	15
<b>Teaching</b>		KSOM	KSOM, Dornsife, Viterbi



# The Planning at NIH

## *Reducing and limiting...*

- Doing nothing and let the system adjust by itself
- Reducing or limiting size of awards
- Limiting number of awards held by PI
- Limiting the amount of funds a PI can have
- Limiting salaries of PIs
- All of the above??