Table 1. Some major stakeholders in science and their extent of interest in research and its results from various perspectives; typical patterns are presented (exceptions do occur).

	Extent of interest in research results			
	Publishable	**Fundable**	**Translatable**	**Profitable**
Scientists	+++	+++	+	
Industry – sales and marketing				+++
Industry – R & D			+++	+++
Private investors, including hedge funds			++	+++
Public funders – open (e.g. NIH, NSF)	++		+	
Public funders – closed (e.g. military)			+++	
Not-for-profit funders/philanthropists	++		+++	
Journal editors	+++			+
For-profit publishers	+			+++
Professional and scientific societies	+			
Universities	+	+++		+
Not-for-profit research institutions	+++	+++	+	+
Supporting non-scientific staff		+++		
Hospitals and other professional facilities offering services related to science			+	+++
Other financial entities that are affected by these services (e.g. insurance)				+++
Governments and state/federal authorities				++
Consumers of products and services			+++	

Table 2. An illustration of different exchange rates for various currencies and wealth items in research.

	Different examples of reward systems		
	Current	Change 1	Change 2
CURRENCIES			
Publication (per unit)	Win 1	No value	No value
Replicated publication (per unit)	Win 1	Win 2	Win 2
Successfully translated publication (per unit)	Win 1	Win 5	Win 5
Refuted publication (per unit)	Win 1	Lose 1	Lose 1
Sharing data, protocols, analysis codes (per unit)	No value	Win 2	Win 2
Contribution to peer-review (per unit)	No value	Win 2	Win 2
Contribution to education/training (per unit)	No value	Win 1	Win 1
Grant funding (per one R01)	Win 5	Win 5	Lose 5
OTHER WEALTH ITEMS			
Assistant professor, title in good university	Win 3	Win 3	No value
Associate professor, title in good university	Win 10	Win 10	No value
Tenured professor, title in good university	Win 20	Win 20	No value
Team leader/director			
Per 1 doctoral student/post-doc	Win 2	Win 2	Lose 2
Administrative power, networking, lobbying	Win up to 200	No value	Lose up to 200