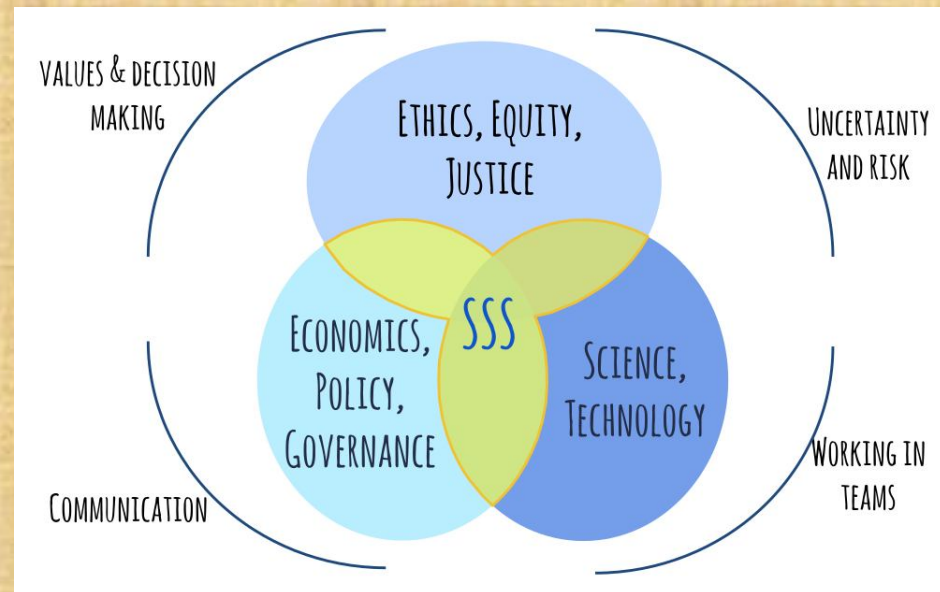


Value of Science for Society

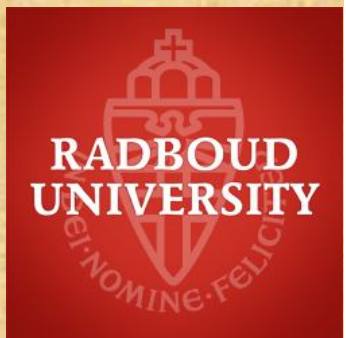


L. Consoli

Institute for Science, Innovation and Society

Faculty of Science

Radboud University





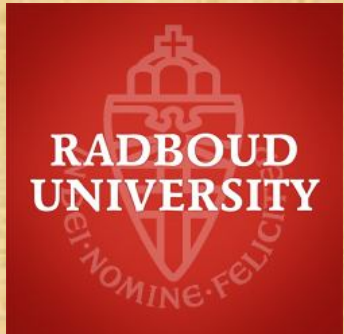
We live in a society absolutely dependent on science and technology and yet have cleverly arranged things so that almost no one understands science and technology. That's a clear prescription for disaster.

(Carl Sagan)

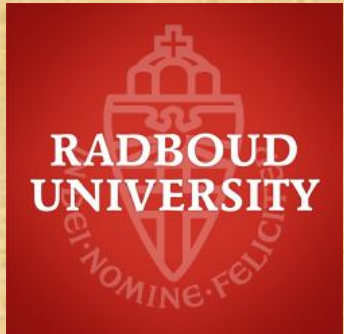
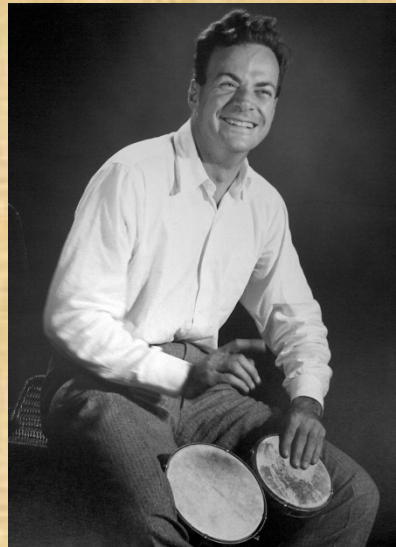
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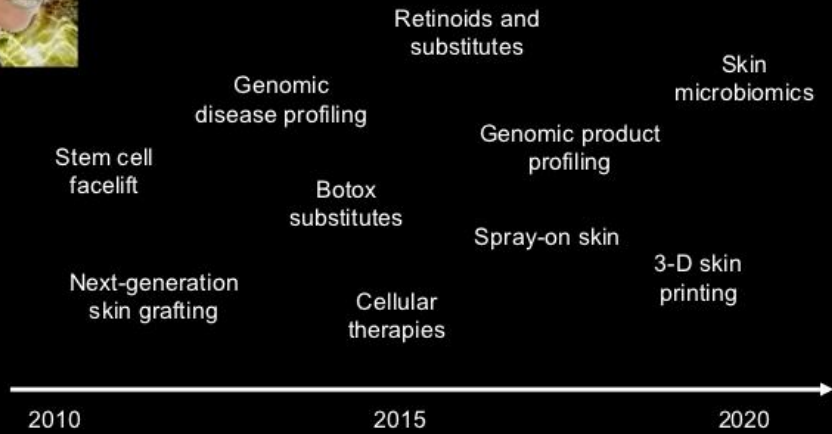
YOUR 50¹ DAYS OF
green happiness



I believe that a scientist looking at nonscientific problems is just as dumb as the next guy -- and when he talks about a nonscientific matter, he will sound as naive as anyone untrained in the matter (Richard Feynman)

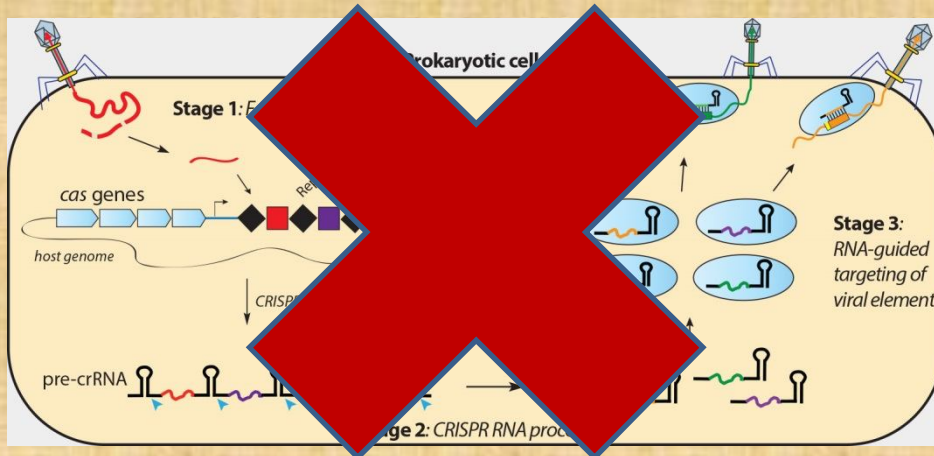


Top 10 anti-aging skin research advances



October 27, 2011
DIYgenomics.org

4



Which value(s)?

Which science(s)?

Which society(ies)?



Epistemic value

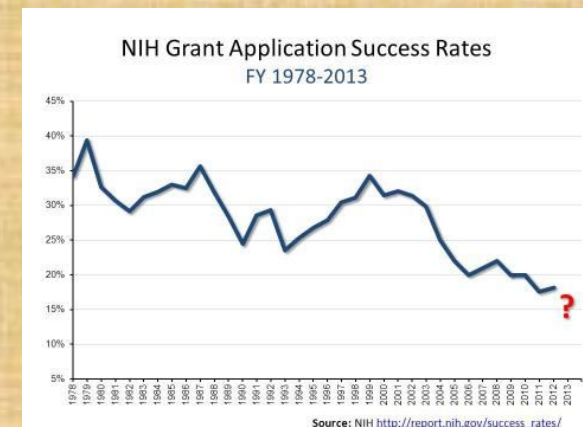
- Epistemic value is a kind of value which attaches to cognitive successes such as true beliefs, justified beliefs, *knowledge*, and *understanding*



Did you know?
You could become a...

- Sleep Scientist
- Trauma Radiographer
- Science Journalist
- IP Lawyer
- Public Health Law & Ethics Expert
- Doctor
- Project Manager
- AFL Footy Analyst
- The Biotech Entrepreneur

➤➤ **With our Biomedical Sciences Degree**



Excellent science

Epistemic value



Scientific progress is measured in
units of courage, not intelligence.

— Paul Dirac —

AZ QUOTES

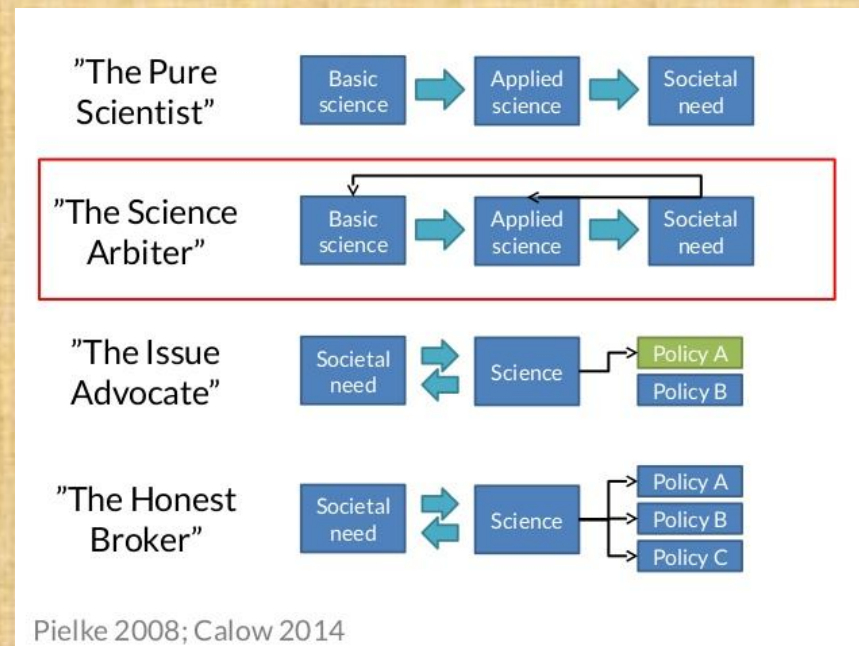


Moral value

- Moral values are the standards of good and evil, which govern an individual's (and a community's) behavior and choices

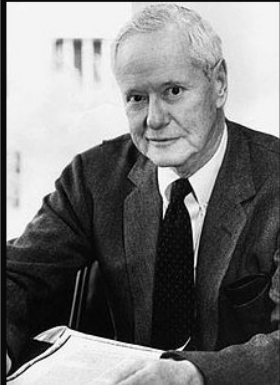
Good science

"I'd rather be honest than impressive."



Moral value

- From disinterestedness to responsibility?



Four sets of institutional imperatives—universalism [truth-claims are to be subjected to preestablished impersonal criteria], communism [scientific property is a heritage held in common], disinterestedness, organized skepticism—are taken to comprise the ethos of modern science.

(Robert K. Merton)



A scientist has the additional responsibility that comes with being a specialist: explaining science to the public, advising of its usefulness and benefits, and warning of its dangers and disadvantages. This is the responsibility of any specialist.

(Larkin Kerwin)

Moral value + epistemic value = ??

Good science \neq excellent science?

Which of these values do you consider leading for your scientific activity?

And how does the answer to this question influence your ideas about what is scientific waste and what to do about it?



**THANK YOU
FOR
YOUR
ATTENTION!
ANY QUESTIONS?**