

Science and education round table (Moderator: Igor Balaz) Friday, 14.7.2017. 11:00-13:00

Title: Education of science and education of scientists: the biggest gaps

Topics:

1. Creativity: Does formal education trains you to hinder creativity (What kind of education supports scientific endeavor?)

reading material: Ken Robinson: 'You don't want a caste system for creativity'

<http://www.campaignlive.co.uk/article/ken-robinson-you-dont-want-caste-system-creativity/1403876#>

2. Ethics: Teaching ethics in science and why it is important (Science as a social activity. Since it is social and largely decentralized, it's functioning depends on reciprocal altruism. Cheating in science is not only about getting past editors/reviewers, but it is about cheating the whole community. Responsibility in research)

reading material: Responsibly conducting research

<http://www.sciencemag.org/careers/features/2016/01/responsibly-conducting-research>

3. Science as inquiry (Dogmatism vs. science and dogmatism in science. "Authorities" in science and to what extent they are immune to scrutiny: view from within science vs. from the outside of science. "Truth" in science vs level of certainty.

Sean Carroll, Edge, and falsifiability

<http://rationallyspeaking.blogspot.rs/2014/01/sean-carroll-edge-and-falsifiability.html>

Is information physical? And what does that mean?

<http://rationallyspeaking.blogspot.rs/2014/01/is-information-physical-and-what-does.html>

Why science says nothing about truth.

<http://theskepticalzone.com/wp/why-science-says-nothing-about-truth/>