

Lecture 4- Academic Research Ethics

Lecture 5 - Professional Engineers Code of Ethics

Lecture 6 - Conflicts of Interest

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Lecturer: **Dr. Kevin S C Kuang** (kevinkuang@nus.edu.sg)

Department of Civil and Environmental Engineering

Lecture 4: Academic Research Ethics

When you discuss about academic research ethics, you naturally think of fake papers, fake results, copycats, ‘you stole my idea!’...

let me share two stories as we jump into this topic....

The GOOD, The BAD and The UGLY plus other FISHY scandals

Story 1



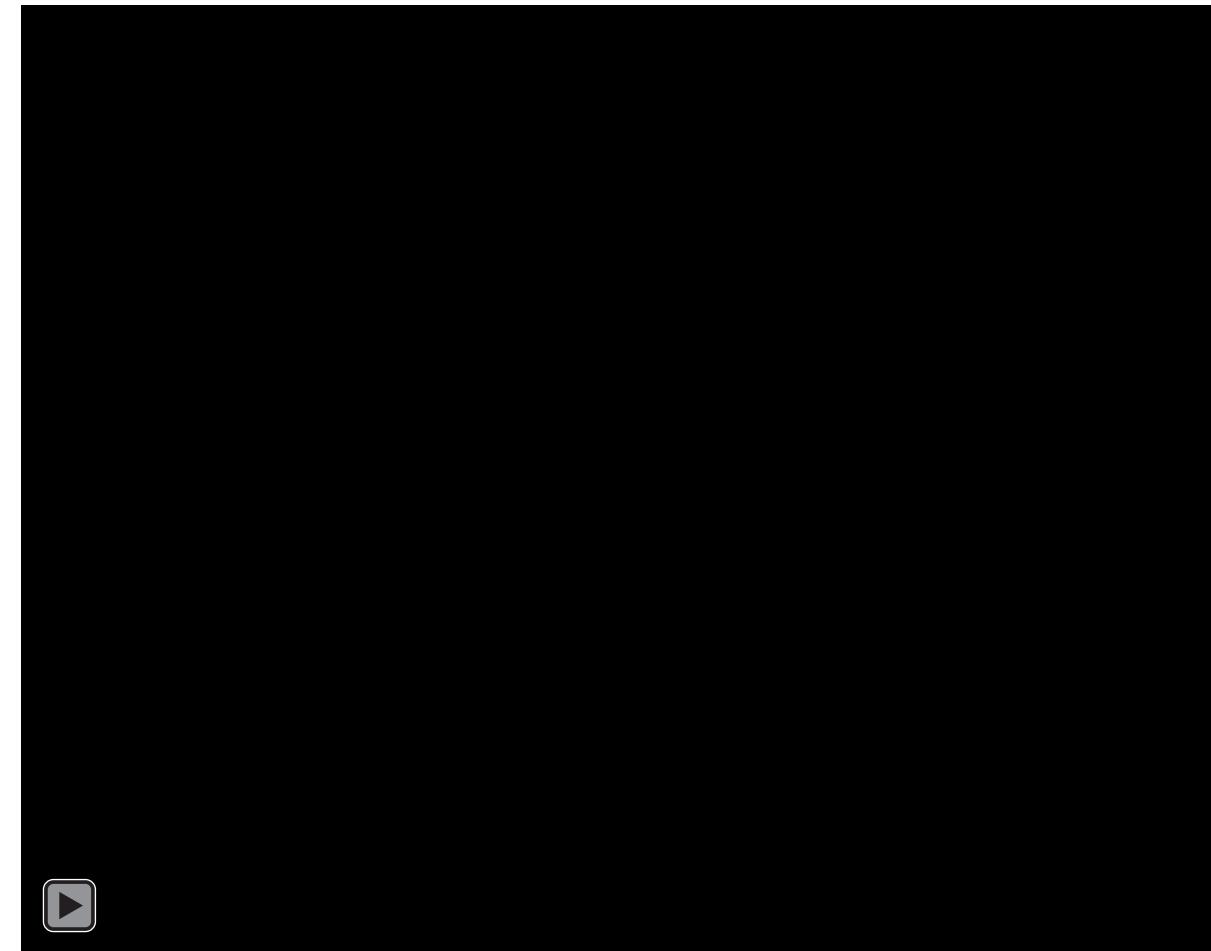
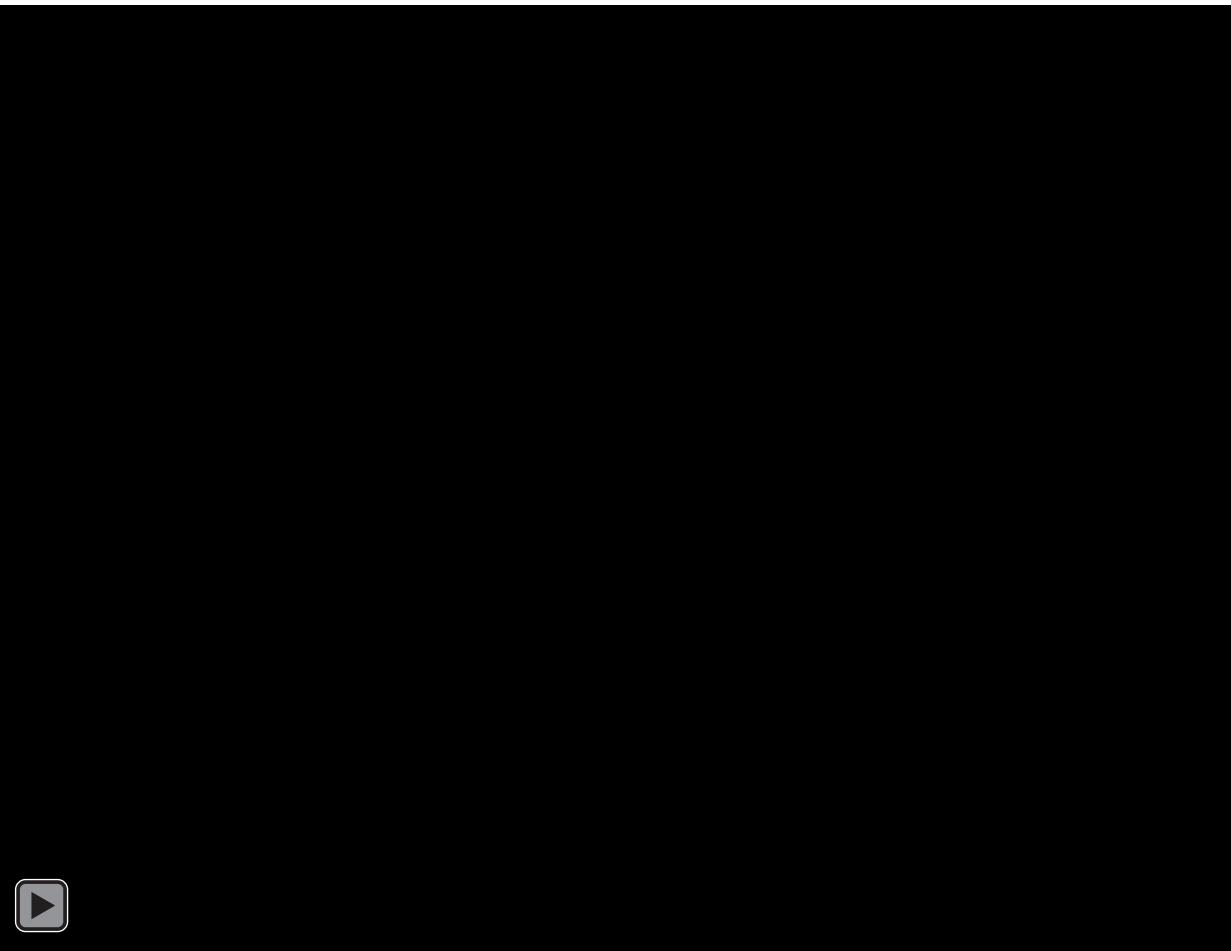
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Story 2



Story 1. The Good, The Bad and The Ugly



The Good, The Bad and The Ugly - The Story

- Jenner knew of the country folklore that milkmaids never caught smallpox.
- Milkmaids inevitably caught cowpox through their close work with cows.
- Jenner speculated that a bout of cowpox produced immunity against smallpox.
- Jenner wanted to prove his theory, so he experiments on human subjects
- In 1796 he inserted pus taken from Sarah Nelmes, a milkmaid with cowpox, into a cut made in the arm of a local boy, James Phipps. Several days later, Jenner exposed the boy to smallpox. He was found to be immune. **{FORTUNATELY!}**



The Good, The Bad and The Zero?

Ethical Issues That Arise In Jenner's Vaccination Against... | Bartleby

<https://www.bartleby.com/.../Ethical-Issues-That-Arise-In-Jenners-Vaccination-PKRRJ...> ▾

Dec 6, 2013 - Free Essay: **Ethical** Issues That Arise In Jenner's Vaccination Against Smallpox In Edward Jenner's Vaccination Against Smallpox, the way ...

Would Jenner's smallpox experiment pass a research ethics committee?

<https://bioethics.georgetown.edu/.../would-jenners-smallpox-experiment-pass-a-resear...> ▾

Would **Jenner's** smallpox experiment pass a research **ethics** committee? You have to pity **Edward Jenner**. He develops a vaccination for smallpox, saves countless lives in the process and eradicates one of the greatest scourges of humanity, yet is often accused of conducting unethical experiments.

Ethical reflections on Edward Jenner's experimental ... - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2598263/> ▾

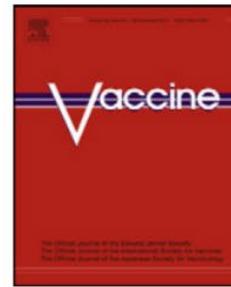
by H Davies - 2007 - Cited by 12 - Related articles

In 1798 Dr **Edward Jenner** published his famous account of “vaccination”. ... Proponents of immunisation, a technique that developed from **Jenner's** work, often claim that a research **ethics** committee, had it existed in the 1790s, might have rejected his work.

Jenner On Trial: Introduction - Bioethics

<https://www.bioethicscourse.info/jotsite/jot-intro.html> ▾

The **ethical** quandaries raised by these HIV vaccine efficacy trials will be at least ... by **Edward Jenner** in his first vaccination experiments, was clearly unethical, ...



The Jenner Society and the Edward Jenner Museum: Tributes to a physician-scientist

A.J. Morgan^a, Gregory A. Poland^{b,*}

^a School of Cellular & Molecular Medicine, Medical Sciences Building, University Walk, Bristol BS8 1TD, UK

^b 611C Guggenheim Building, Mayo Clinic and Foundation, 200 First Street, SW, Rochester, MN 55905, USA

Free download from

<http://www.edwardjennersociety.org/wp-content/uploads/The-Jenner-Society-and.pdf>

Royal Society had rejected Jenner's paper describing this work at the time, and he was forced to publish his findings at his own expense in a paper

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ABSTRACT

Dr. Edward Jenner's discovery and application of vaccination against smallpox was one of the most important medical advances of all time. In the modern era many millions of lives are saved each year by vaccines that work essentially on the same scientific principles established by Jenner more than 200 years ago. Jenner's country home in Berkeley, Gloucestershire, UK, where he carried out his work and where he spent most of his life, is now a museum and something of a shrine for vaccinologists. Jenner's house is also now the focal point of a new international learned society dedicated to advancing modern vaccinology. The aims of the new Jenner Society are to engage, support, and sustain the professional goals of vaccinologists, and to perpetuate the memory of Dr. Edward Jenner. Ultimately it is hoped that the Jenner Society will be recognized as one of the leading academic societies representing and promoting vaccine science around the world. We invite readers to consider joining the society (<http://www.edwardjennersociety.org/>).

From Zero The Hero? Not so clear cut now?

“Medicine has never before produced any single improvement of such utility. . . You have erased from the calendar of human afflictions one of its greatest. Yours is the comfortable reflection that mankind can never forget that you have lived. Future nations will know by history only that the loathsome small-pox has existed and by you has been extirpated.”

U.S. president, Thomas Jefferson, in a letter to Edward Jenner

Story 2. A Modern Tail - A Fishy Scandal



Starring....

Google Scholar Profile (**type in Google Scholar:** Oona Lonnstedt)

<https://scholar.google.com.sg/citations?user=kbNfleUAAAAJ&hl=en&oi=sra>

Oona Margareta Lonnstedt

Postdoctoral Fellow, Uppsala University & Royal Swedish Academy of Sciences

