AD 2000:
Science Suspended

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Conference on the Integrity of Science
Edinburgh, May 2023
Transgenic DNA introgressed into traditional maize landraces in Oaxaca, Mexico

David Quist & Ignacio H. Chapela

nature
Figure 1: PCR amplification of DNA from the maize-specific alpha zein protein gene (top panel) and the CMV p-35S promoter (centre and bottom panels).

The centre panel represents amplification protocol I (single amplification); the bottom panel indicates amplification protocol II (nested priming amplification).

a–d, Criollo maize samples. Samples A2 (a), A3 (b), B2 (c) and B3 (d) are shown.

e, Sample K1 from Diconsa store.

f, Negative control P1, from Peru. g, Roundup-Ready maize RR1.

h, Bt-maize Bt1. i, Internal negative control for PCR reaction. j, DNA ladder (100 base pairs (bp)), 500-bp marker at the top in each panel. Expected size for each fragment is marked on the left.
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Population biologist Wayne Getz, who sat on an ad hoc faculty committee that recommended giving Chapela tenure, says that the ecologist received overwhelming faculty support, but alleges that the review then was “hijacked” by Chapela’s opponents in the university.
Berkeley accused of biotech bias as ecologist is denied tenure

Review of tenure refusal uncovers conflicts of interest

Ecologist sues for lost tenure following transgene quarrel

Ecologist's tenure hailed as triumph for academic freedom
Absence of detectable transgenes in local landraces of maize in Oaxaca, Mexico (2003–2004)

S. Ortiz-García*, E. Ezcurra†, B. Schoel‡, F. Acevedo§, J. Soberón§†, and A. A. Snow‡**

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Fig. 2. PCR amplification products for the 35S CaMV marker (195 bp) and the NOS marker (102 bp) from known dilutions and representative landrace samples. Two replicate lanes for each sample on an agarose gel are shown. Dilutions of 0.0%, 0.1%, 0.01%, and 0.005% were prepared by using purified DNA from certified GM maize. Samples 1–9 were obtained from landrace localities 1–9 in 2004 (Table 1). s, Stressed plants; n, normal plants.
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Mexican Corn Invasion Vanishes

Genetically modified corn no longer found in fields of southern Mexico

8 AUG 2005 • BY JOCELYN KAISER
Commercially sponsored research is putting at risk the paramount value of higher education—disinterested inquiry. Even more alarming, the authors argue, universities themselves are behaving more and more like for-profit companies.
Commercially sponsored research is putting at risk the paramount value of higher education—disinterested inquiry. Even more alarming, the authors argue, universities themselves are behaving more and more like for-profit companies.
The Pulse of Scientific Freedom In the Age of the Biotech Industry

In public conversation

Introduced by Michael Pollan
Moderated by Mark Dowie

December 10, 2003
7-9 pm
155 Dwinelle Hall
University of California, Berkeley

Arpad Pusztai
John Losey
Tyrone Hayes
Ignacio Chapela

UC Berkeley Bancroft Library Oral History of Biotech Project
Berkeley Art Museum: Genetics Project
Council for Responsible Genetics
Knight Center for Science and Environmental Journalism at UC Berkeley School of Journalism
Center for Sustainable Resource Development, College of Natural Resources, UC Berkeley
Angelika Hilbeck

Percy Schmeiser
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University of California, Berkeley
BERKELEY / Cal sees BP deal as landmark / Research could lead more quickly to making alternative fuel a reality

Rick DelVecchio, Chronicle Staff Writer
Feb. 2, 2007
Scientists dispute White House claim that spilled BP oil has vanished

Suzanne Goldenberg, US environment correspondent
Wed 18 Aug 2010 19.57 BST
Deep-Sea Oil Plume Enriches Indigenous Oil-Degrading Bacteria

TERRY C. HAZEN, ERIC A. DUBINSKY, TODD Z. DESANTIS, GARY L. ANDERSEN, YVETTE M. PICENO, NAVJEET SINGH, JANET K. JANSSON, ALEXANDER PROBST, SHARON E. BORGLIN, [...] AND OLIVIA U. MASON

+22 authors Authors Info & Affiliations

SCIENCE
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24 Aug 2010
Microbes ate BP oil deep-water plume - study

By Deborah Zabarenko, Environment Correspondent

* BP oil plume gone within weeks of July 15 well capping

* Newly discovered microbes eat without cutting oxygen

* Faster biodegradation of crude than expected

WASHINGTON, Aug 24 (Reuters) - A Manhattan-sized plume of oil spewed deep into the Gulf of Mexico by BP’s broken Macondo well has been consumed by a newly discovered, fast-eating species of microbes, scientists reported on Tuesday.
The Biotech Project

Biology Is Technology
The Promise, Peril, and New Business of Engineering Life

Robert H. Carlson  2011
The Biotech Project

Central-Dogma

DNA – Absolutism —>> Big (sequence) Data

Genocentrism

Coded Meaning

Determinism