Going up in smoke: institutions that take the moral high ground may lose out when it comes to securing funding for research Charlie Bibby The burning tobacco question

Universities face controversy over the huge sums offered by cigarette companies to research 'reduced harm' products, says David Grimm

ne size as our but it affects a ace about 600 e of the whole alaxy. "From on of space, the ead out over stances," Prof ays. ard.edu

The black hole lume of space

tors flew Zealand

with a wing res dominated of New e human) years ago would swoop tless Moa veighed up to d kill them

laboratory

The experiment, led by

neuroscientist Jed Rose,

focuses on the volunteer's

response to Quest, a ciga-

rette made from tobacco

genetically engineered to

contain less nicotine. Dr

Rose directs the university's

Center for Nicotine and

Research, which helps smok-

ers kick the habit. He sees

the Quest study as impor-

tant because it indicates that

smokers of this new product

inhale less deeply than smokers of an earlier

"reduced-harm" product the low-tar cigarette - and

may therefore cut their

But the work is controver-

sial. Quest's maker, the Vec-

tor Tobacco Company of Re-

search Triangle Park, North

Carolina, paid for the study,

and tobacco giant Philip

Since the late 1990s the

tobacco industry has pro-

vided university researchers

with millions of dollars to

help develop a new class of

reduced-harm products - including modified cigarettes

such as Quest, tobacco loz-

enges and nicotine inhala-

tion devices - ostensibly to reduce the hazards of smok-

ing. Advocates say the in-

dustry is now serious about

improving the safety of its

products. But critics, who

cite its efforts to manipulate

science over the past 50

years, see nothing but the

same old smoke and mirrors.

smoking activists, tobacco

industry funding is flourish-

ing, igniting a debate on

some campuses over wheth-

er universities should ban

tobacco money and whether

grant organisations should

deny funding to individuals

Ken Warner, a public

health expert at the Univer-

sity of Michigan, Ann Arbor,

and president of the Society

for Research on Nicotine and

Tobacco, concedes the tob-

acco industry was guilty of

misconduct in the past but worries about restricting

Dr Rose thinks the tobacco

industry's new focus on

or schools that take it.

Despite the efforts of anti-

Morris funds the centre.

dependence on tobacco.

Cessation

cognitive tests.

Smoking



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research that the New

65-year-old man at lives, why shouldn't we?" Stephen Rennard, a pulmoa small table in a at nary physician at the Uni-Duke University versity of Nebraska Medical Medical Center in Durham, Center in Omaha who has North Carolina, asks for his also received tobacco industry support, agrees. "People twelfth cigarette in less than eight hours. A researcher is are going to continue to happy to oblige. As the man smoke, and we need to make lights up, technicians swarm them as safe as we can. The around him to take a blood tobacco industry needs unisample, make him exhale versity research to develop a into a sensor and administer safer product."

One of Dr Rennard's projects, funded by RJ Reynolds, evaluated Eclipse - a cigarette made by the company that heats rather than burns tobacco, theoretically producing less harmful smoke. Dr Rennard later used Philip Morris money to determine how much smoke the average cigarette user is exposed to. The findings may help the company design a cigarette that cuts the levels of inhaled smoke.

Dr Rennard says taking industry money required soul searching. "But in the end I realised that this research should be funded by tobacco companies. NIH resources should not be used to improve cigarettes. It would be like the government subsidising the development of a better laundry detergent."

Others think academic researchers should just say no. Simon Chapman, editor of the journal Tobacco Control and a professor of public health at the University of Sydney in Australia, says the tobacco companies in fact have little interest in public health. "They fund this research to buy respectability and ward off litigation," he says. Some worry that reduced-harm products are just a ploy to keep smokers addicted.

For many critics of mixing tobacco money with university research, the industry's history speaks for itself. For example, as the link between smoking and disease became clearer in the early 1950s, the world's largest tobacco companies established the Tobacco Industry Research Committee - later the Council for Tobacco Research - to fund research into health effects of smoking. But its main goal, internal documents reveal, was to obfuscate risks and few of the studies it funded addressed the hazards of cigarettes.

The industry also lost credibility with its previous attempts at harm reduction when it touted low-tar and filtered cigarettes as "safer". says Dr Chapman, while suppressing evidence that smok-

tobacco industry grants. Organisations such as Cancer Research UK and the Wellcome Trust no longer fund researchers who take tobacco money. The American Cancer Society, one of

'The university should be a role model. Academic freedom should not override its ethical responsibilities'

the largest private funders of cancer research, plans to adopt a similar policy this month. Ohio State University, Columbus, was in the eye of the storm in 2003 when Philip Morris offered a

medical school researcher a \$590,000 grant at the same time a state foundation offered a nursing school researcher a \$540,000 grant. But the terms of the state grant would have prohibited all other university researchers from taking tobacco money, so the school could not accept both. "There was a very heated debate among the faculty," says Tom Rosol, the university's senior associate vice president for research, who ultimately decided to take the Philip Morris grant. "It came down to the issue of academic freedom," he says. "We didn't want to accept a grant that would have placed restric-

tions on our investigators." The decision sparked a backlash, and several departments, including the Comprehensive Cancer Center and the School of Public Health, enacted bans on researchers from taking tobacco money.

A resolution approved by the University of California's Academic Senate this summer would have the opposite effect. A proposal that "no special encumbrances should be placed on a faculty member's ability to solicit or accept awards based on the source of funds" would prevent institutions in the UC system banning tobacco funding. UC president Robert Dynes describes such bans as "a violation of the faculty's academic freedom". Not everyone believes this

argument. "The university should be a role model," says Joanna Cohen, an expert on university tobacco policies at the University of Toronto. "Academic freedom should not override its ethical responsibilities.

Dr Rennard, who made himself ineligible for state

money by accepting tobacco industry funds, says: "Political positions should not determine scientific agendas. If we restrict research on moral grounds, should we ban grant money from pharmaceutical companies or industries that pollute the environment? Where do you draw the line?'

As public funding gets tighter, more universities may have to confront this question. The tobacco industry is poised to fill the financial void, but pressure on schools to shun this money is likely to increase. In the end, institutions will have to decide whether to overlook the source of this funding or take the moral high ground and watch it go up in smoke.

This article was provided by AAAS and Science, its international journal, unun agas. org: www.scienceonline.org



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harm reduction may usher in a new era of tobaccosponsored research. This research is "high quality, innovative and unique," he says, and "very different from the abuses of the past". Dr Rose, a co-inventor of the nicotine patch, says: "The real enemy is the death and disease smokers suffer. If we can use tobacco money to help people lead healthier ers drew harder on these cigarettes, thereby increasing their intake of carcinogens. While scientists debate the merits of taking tobacco money, other authorities may take the decision out of their hands. Over the past decade, a number of institutions - including the Harvard School of Public Health and the University of Glasgow - have banned researchfrom applying for ers

NO CONSENSUS ON TAKING CIGARETTE CASH

Harvard School of Public Health and the University of Glasgow have already banned researchers from applying for tobacco industry grants. Cancer Research UK and the Wellcome Trust no longer fund researchers who take tobacco money. The American Cancer Society plans to follow this month. The tobacco industry has provided millions of dollars to help develop a new class of 'reduced-harm" products. Advocates argue it is now serious

about safety, while critics say it is manipulating science. A ban on accepting funds represents a restriction on academic freedom for some university researchers: "Where do you draw the line?", asks one. In 2003, Ohio State University turned down money

from a donor that wanted to restrict tobacco funding. Now the University of California is proposing that no restrictions should be placed on faculty members' sources of funds.

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