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## Researcher under FDA investigation since 2000

*FDA issued a warning letter in 2001, and has continued investigation to set penalty for cardiology researcher and UA*

BY STEPHANIE SCHWARTZ  
Staff Writer

Top UA cardiology researcher and emeritus professor of medicine Frank Marcus is under investigation by the Food and Drug Administration for 18 violations of FDA regulations, prompting the UA to make several changes to the policies involving the use of animals for research.

The violations stem from a 1997 study involving Marcus' work with dogs and cardio ablation, where devices used to regulate heartbeat were tested.

When the FDA investigated Marcus' lab in 2000, investigators found violations, including the mislabeling of dogs, equipment not being cleaned properly and people conducting research without the proper training.

Marcus said he had never done a study for the FDA — which maintains stricter record-keeping regulations than the university — prior to the cardio ablation study. He said the FDA is incorrect in some of its findings, such as the mislabeling of dogs.

The FDA sent President Pete Likins a warning letter in April 2001 discussing the violations found in the lab, as well as the UA's failure to establish a "quality assurance unit" for research.

The unit is responsible for monitoring each study to assure they meet "good laboratory practice" requirements, such as keeping track of how often lab instruments are cleaned.

"The comparison found significant discrepancies involving 12 of 19 dog IDs," the FDA's warning letter said. "Twelve dogs had no 'case reports' and four dogs had no animal care or treatment records. Only 14 of 19 dog IDs were included in the FDA study report."

The FDA also stressed the significance of the violations.

"The nature and severity of these findings seriously compromises our evaluation of the reliability and integrity of data from nonclinical laboratory studies conducted at your testing facility," the FDA letter stated.

The FDA is still investigating the situation to decide

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## UA computers hacked daily

BY JESSE GREENSPAN  
Staff Writer

Unbeknownst to the majority of the UA population, computer hacking has been a serious problem on the university network, as 60,000 to 250,000 people break into the UA network's usual pattern of activity every day.

While most of these hits are simply reconnaissance scans during which hackers look for potential sites to break

into, around 10 percent are targeted scans in which hackers attempt to enter the campus network illegally, said Ted Frohling, the principal network systems analyst for UA's Security Incident Response Team.

The members of SIRT maintain a system to check for intrusions on the network.

Though most of these hackers are unable to illegally enter the network, Frohling estimated an average of two to

three machines get broken into on campus per day.

However, SIRT has no way of finding out exactly which machines are broken into, and what information was viewed.

"It has been prevalent in the news of late, but I really don't think people know how much hacking goes on in the network," said Bill Phillips, a network systems analyst for SIRT. "People don't

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## Cats take a bite out of the Dawgs



KEVIN KLAUS/ Arizona Daily Wildcat

Aimee Grzyb, CoCoca Sanford and Julie Brase celebrate the Wildcats' 70-49 victory over No. 8 Georgia on Saturday in McKale Center. The 5,069 seat crowd was the second largest ever to watch a UA women's basketball game in McKale. See complete game coverage on **Page 9**.

## Grads would see largest tuition hike in Likins' plan

Grad student tuition		
Academic year	Resident tuition and fees	Non-resident tuition and fees
2003-2004*	\$3,342 to \$3,842	\$11,862 to \$12,362
2002-2003	\$2,592	\$11,112
2001-2002	\$2,490	\$10,356
2000-2001	\$2,348	\$9,804
1999-2000	\$2,264	\$9,416
1998-1999	\$2,158	\$9,110

Source: The University of Arizona Graduate Catalog, Arizona Board of Regents  
\* Under President Pete Likins' proposed plan

*Proposal would raise grad student tuition by \$250 more than undergraduates'*

BY LAURA MALAMUD  
Staff Writer

The graduate student community had mixed reactions to President Pete Likins' proposals to increase graduate student tuition by \$250 more than the price undergraduates will pay next year.

Likins has proposed to increase tuition by \$1,500 for non-resident

graduate students, and either a \$750, \$1,000 or \$1,500 increase for in-state graduate students.

"I don't think it is evil or bad. It is something they have to do to survive," said Tim Rooks, a third-year creative writing graduate student. "I feel like tuition is already pretty cheap, so increasing the tuition would be the first thing I would do as a legislator."

The proposed plan would be enacted next year, which some students said is too soon.

"It is still on the low end, but it is still a large increase in one year," said

Theresa Seifert, a first-year law student. "I understand that the Legislature is not giving the school as much money as they need, but that is a pretty big hike."

With issues of teaching assistant workload and graduate student quality of life already on the minds of many graduate students, non-degree representative Jim Collins of the Graduate and Professional Student Council said the additional tuition increase could greatly affect graduate student

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