**Welcome, Class of 2003**

First-year students begin their study of cell and tissue structure and function with professor Fern Tablin (second from left). In September the School of Veterinary Medicine welcomed the class of 2003, which out of 1,066 applicants, includes 93 women and 29 men (class size was increased to 122 last year).

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**Kenneth L. Maddy Equine Analytical Chemistry Laboratory**

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With rare exceptions, veterinarians are prohibited from administering medications to horses within 48 hours of a race, and the California Horse Racing Board requires evaluation of post-race blood and urine samples from selected horses at the state’s six permanent race courses and nine seasonal fair venues.

The Maddy laboratory will analyze roughly 10–12 thousand blood and urine samples each year for the presence of unauthorized drugs. It will be the first laboratory in the United States to use liquid chromatography-mass spectrometry as a routine screening method for equine drug testing.

Sample handling will be largely automated with the potential for expanded capacity during the height of the racing season.

In addition to carrying out the drug testing program, equine pharmacologist Cynthia Kollias-Baker, DVM, PhD, and analytical chemist and toxicologist Scott Stanley, PhD, will respond to issues regarding therapeutic substances and carry out research to document the effects of medications and other substances on equine performance.

They will, for example, document the amounts, after treatment is concluded, of medication residues (such as procaine from procaine-penicillin) likely to be found during routine testing, and obtain scientific data on whether or not residues of certain therapeutic substances are likely to affect the outcome of a race in terms of cardiovascular or respiratory function, or analgesia.

CVDLS director Alex Ardans says that through the laboratory’s pharmacology methods development program, “Dr. Kollias-Baker and Dr. Stanley will be responsible for moving the equine industry’s knowledge of the proper method of forensic testing and drug analysis forward into the 21st century.”

*Independently funded new facilities, such as the Maddy laboratory, do not address the “facilities deficiency” associated with limited accreditation of the School of Veterinary Medicine. Dean Osburn continues to seek new avenues toward replacement of 50-year-old Haring Hall.*