

## Technology Transfer Award

A Federal Laboratory Consortium Award for Excellence in Technology Transfer was presented to Edward Yeung and a research team at Iowa State University's Ames Laboratory in 1993. Their laser-based method for indirect fluorescence of biological samples may have applications for routine high-speed DNA sequencing (see graphic, p. 23). Yeung also won the 1994 American Chemical Society Award for Analytical Chemistry.

## 1997 R&D 100 Awards

DOE researchers in 12 facilities across the country won 36 of the R&D 100 Awards given by *Research and Development Magazine* for 1996 work. DOE award-winning research ranged from advances in supercomputing to the biological recycling of tires. Announced in July 1997, these awards bring DOE's R&D 100 total to 453, the most of any single organization and twice as many as all other government agencies combined.

Two DOE genome-related research projects received 1997 R&D 100 Awards. One was to Yeung (see text at left and graphic, p. 23) for "ESY9600 Multiplexed Capillary Electrophoresis DNA Sequencer."

The other award was to Richard Keller and James Jett (LANL) with Amy Gardner (Molecular Technologies, Inc.) for "Rapid-Size Analysis of Individual DNA Fragments." This technology speeds determination of DNA fragment sizes, making DNA fingerprinting applications in biotechnology and other fields more reliable and practical.

*R&D Magazine* began making annual awards in 1963 to recognize the 100 most significant new technologies, products, processes, and materials developed throughout the world during the previous year (<http://www.rdmag.com/rd100/100award.htm>). Winners are chosen by the magazine's editors and a panel of 75 respected scientific experts in a variety of disciplines. Previous winners of R&D 100 Awards include such well-known products as the flash-cube (1965), antilock brakes (1969), automated teller machine (1973), fax machine (1975), digital compact cassette (1993), and Taxol anticancer drug (1993).

