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Training: United States gives priority to skills shortage
POTTER WICKWARE
Bioinformatics marries together a wide range of scientific disciplines, but with a global shortage of skilled researchers, tra
[WASHINGTON] Industry is draining bioinformatics talent from universities faster than it can be replenished. This is good news for the pe news for the institutions that are scrambling to provide it, says Francis Ouellette, at the University of British Columbia's Center for Mole Ouellette and Christoph Sensen at Canadian Bioinformatics Resource, in Halifax, Nova Scotia, run a four-part survey series (one week genomics, proteomics and tools development), which introduces people to the field. Ouellette worries that the series is only a temporar
Sensen stresses the difficulties academic groups have in finding and retaining talent. "In two years of looking I haven't found a person w environment. PhDs either go to a company or to a nice warm place in the United States where they also get more money. But there is a academia because that's where much of the real science is done."
Chris Lee, of the Bioinformatics Institute at the University of California, Los Angeles, concurs. Industry has the data, he says. But it lac full-service university, as well as the freedom to "sit around talking about problems with people from different backgrounds".
The gap between supply and demand in bioinformatics is receiving official recognition in the United States. The US National Institutes of bioinformatics mainly through two institutes, the National Human Genome Research Institute and the National Library of Medicine. Ho centres outside the NIH must also arise. The NIH approves the concept of developing such "centres of excellence", but has been slow infrastructure.
The National Institute of General Medical Sciences has also committed itself to funding training slots, and a fourth branch of the NIH, ti Resources (which is not an institute), has put itself behind shared bio-computational resources at more than a dozen centres nationwide Argonne and Oak Ridge laboratories are also huge funders of bioinformatics work, as is, to a somewhat smaller extent, the Departmen
On the private side, the Howard Hughes Medical Institute (HHMI) has declared that it will appoint investigators in computational biolo that until now has avoided funding research in what it viewed as engineering disciplines. Now, however, it is becoming clear that biocor HHMI's biomedical mission, but is one of its most critical elements.
Other support is also issuing from the Alfred P. Sloan Foundation, which has recently called for proposals to fund academic units that on in biology. Traditionally, these degrees have not carried the same weight in biology as in engineering or business, where they are termin



























































