

## THE GATEWAY

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## colophon

The Gateway is created using Macintosh computers, Umax PowerLook 1000 flatbed scanners, and a Nikon Super Cool Scan optical film scanner. Adobe InDesign is used for layout. Adobe Illustrator is used for vector images, while Adobe Photoshop is used for raster images. Adobe Acrobat is used to create PDF files which are burned directly to plates to be mounted on the printing press. Text is set in a variety of sizes, styles, and weights of FENICE, Joanna, Kepler and Whitney. The Manitoban is the Gateway's sister paper, and we love her dearly, though "not in that way." The Gateway's games of choice are SimCity 4 and Worms.

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## PSE lacks direction: report

CCL • CONTINUED FROM PAGE 1

Carl Armhein, U of A Provost, agreed that retiring faculty and class sizes was a problem, and the Administration is looking to convince the province to fund more positions.

"[We're taking] an approach to create 500 additional faculty positions. We'll be talking to the ministry soon, once the new minister gets up and running, to hopefully convince the government this is a smart thing to do."

While education in Canada is a provincial responsibility, Cappon argued that a coherent national strategy is necessary to compete against an increasingly knowledge- and research-intensive global market. At the moment, Canada's fractured provincial system is far too inefficient to meet the country's needs.

"We don't have a system in Canada at all, we have 13 systems. [One] in each province and territory, to the extent that they are not working together," Cappon said.

Cournoyer agreed that a federal plan on higher education was overdue in Canada.

"It could be very beneficial in the long run if Canada came up with a national strategy," he said. "Especially with a federal election coming up, it might pressure the government to think a lot more about these issues."

A federal strategy for education is something that should be approached carefully, argued Amrhein. He says that

there are certain benefits associated with the current system that might be lost.

"One of the risks of a national strategy is that everyone begins to look like that," Amrhein said. "The absence of a federal strategy has allowed a lot of innovation, a lot of differentiation. The benefits ... [are] that you begin to align the resources of different levels of government."

"It would be extraordinarily good news if the federal government could find a way to work with the provinces so we don't lose the richness, which is a good thing, but we [gain] the ability to coordinate our activities which would be a very good thing," he added.

The report might be the first of its kind, but it won't be the last. The CCL has plans to release annual reports as a follow-up, to gauge what improvements are made to the system over the coming years. Cappon believes that the first step should be to set concrete goals for the nation's directionless education system.

"The way it works now in Canada as if you were a student going to university and you didn't know what you wanted to study. You didn't know why it was important, you didn't know how to measure success, and you didn't know when you finished university whether or not you had achieved your goals. That's what we have now," Cappon concluded.

## Voters hail insulin as Canada's top invention

OLESIA PLOKHII  
News Writer

According to a CBC poll, whose results were announced early this month, viewers selected insulin as the greatest Canadian invention of all time. This, more than any other, is an invention they simply couldn't live without and one that continues to propel innovative research.

University of Alberta Diabetes researcher Dr Alex Rabinovitch couldn't agree more. He, like hundreds of other Canadians, believes that the 1923 invention by Frederick Banting, assisted by colleagues Charles Best and James Collip, has assisted in controlling diabetes by effectively balancing blood glucose levels in patients. Collip, who headed the U of A's Department of Biochemistry, was on a sabbatical in Toronto when he helped with the insulin project.

"A high blood glucose over several years damages blood vessels in many organs, causing blindness, strokes, heart attacks, kidney failure and amputations, either in type one or type two diabetes," Rabinovitch said.

And while insulin has been around for almost a century, work at the U of A is continuing to focus on treating one of Canada's biggest kill-

ers. Rabinovitch's laboratory team at the Muttart Diabetes Research and Training Centre has found a way to regenerate pancreatic insulin producing beta-cells in mice that have developed a form of autoimmune diabetes similar to what's found in patients with type one diabetes.

"We have been able to cure these mice of diabetes by treating them with certain growth factor peptides ... based on these recently published research findings, these growth factors are now being tested in clinical trials of patients with diabetes; both type one and type two," he said.

Rabinovitch explained that continued recognition of this life-saving invention is an important step in creating awareness for insulin research funding.

"Hopefully, government funding agencies will realize the value of increasing funding for diabetes research in Canada," he said.

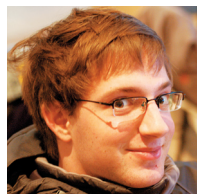
Although Rabinovitch admitted that insulin is likely to continue to be needed for the therapy of type one diabetes for some time, he remained optimistic about the future.

"We hope that our recent findings of new therapies to regenerate the patient's own pancreatic beta-cells may one day be able to replace insulin therapy for diabetic patients."

## STREETERS

As you may be aware, we're ten days into a new year (2007, for those who are temporally-disadvantaged).

Did you make any New Year's resolutions and, if so, how are they going so far?



Paul Szabo  
Arts I



Barry Deford  
Education III



Mark Prokopiuk  
Science V



Khalid  
Moustarah  
Education III

I made a resolution to get in better shape. I wasted \$60 dollars on a locker at the Van Vilet Centre, so hopefully I'll actually use it.

I resolved to get way better marks. Three days into the new term, confidence is at an all-time high.

I resolved to drink slightly less than usual. I ran out of money, so that kind of helps.

Go to all my classes and stay awake for at least two out of three of them. It's going pretty good so far, except for some dozing in and out.

Compiled and photographed by Steve Smith and Krystina Sulatycki

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