



Australian  
National  
University

PUBLIC LECTURE

The impact of pharmaceutical innovation on premature mortality, hospitalization, and cancer survival in Australia, 1986-2011

**Tuesday 24 November 2015**

5.30pm–7.00pm

### Speaker

Frank R. Lichtenberg  
Columbia University

### Trevor Swan Distinguished Lecture Series

### Location

Finkel Lecture Theatre,  
John Curtin School of  
Medical Research, ANU

### RSVP

Please register with Eventbrite:  
<https://www.eventbrite.com.au/e/trevr-swan-distinguished-lecture-series-tickets-19435479041>

### Enquiries

Professor Bob Gregory  
6125 2192  
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This event is free and open to the public and will be followed by a reception

Presented by

**RSE and RSFAS**  
The Research School of Economics  
the Research School of Finance,  
Actuarial Studies & Statistics

**ANU College of  
Business and Economics**



I analyze the effect that pharmaceutical innovation had on premature mortality, hospitalization, and cancer survival in Australia during the period 1986-2011. In essence, I investigate whether the diseases that experienced more pharmaceutical innovation had larger declines in premature mortality and hospitalization and

larger increases in cancer survival rates. The estimates indicate that new drugs listed on the PBS during the period 1989-2002 reduced the number of life-years lost before ages 75 and 80 in 2011 by 143,639 and 251,869, respectively. New drugs listed on the PBS during the period 1986-1999 are estimated to have reduced hospital expenditure in 2011 by about 12%, or \$5.4 billion. I also analyze the effect that pharmaceutical innovation had on cancer survival in Australia during the period 1986-2011, controlling for changes in cancer incidence and mean age at time of diagnosis.

Frank R. Lichtenberg is Courtney C. Brown Professor of Business at the Columbia University Graduate School of Business; a Research Associate of the National Bureau of Economic Research; and a member of the CESifo Research Network. He received a BA with Honours in History from the University of Chicago and an MA and PhD in Economics from the University of Pennsylvania. Professor Lichtenberg is also an Adjunct Professor at the Victoria University in Melbourne.