



Nanyang Technological University  
**DIVISION OF ECONOMICS**  
Seminar Series

The Division of Economics invite you to a seminar by Professor Joanna Poyago-Theotoky

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- Speaker** : **Professor Joanna Poyago-Theotoky**  
*Department of Economics*  
*La Trobe University*  
*Australia*
- Topic** : **"R&D led Growth and Economic Geography"**
- Chairperson** : **Associate Professor Chris Sakellariou**  
*Division of Economics*  
*School of Humanities & Social Sciences*
- Date** : **23 November 2016 (Wednesday)**
- Time** : **2:30pm to 3:30pm**
- Venue** : **HSS Meeting Room 5 (HSS 04-89)**  
*Nanyang Technological University*  
*School of Humanities and Social Sciences*  
*14 Nanyang Drive*  
*Singapore 637332*

**About the Speaker:**

Prof Poyago-Theotoky is a graduate of the University of Bristol where she earned her PhD in 1994. She has previously held positions at the University of St Andrews, University of Nottingham, University of Bristol and Loughborough University before joining La Trobe University in February 2011. Her research interests lie in the areas of industrial organization (especially innovation, R&D cooperation and research joint ventures, technology and environmental policies), applied microeconomic theory, the economics of science and knowledge transfer and the economics of higher education. Joanna has received funding for her research from the British Academy, the ESRC, JISC, CNRS and the Spanish Government. She has published a range of papers including articles in the following Journals: Journal of Economic Behavior and Organization, Journal of Industrial Economics, International Journal of Industrial Organization, Journal of Public Economic Theory, Review of Industrial Organization, Journal of Regulatory Economics, Journal of Comparative Economics, Regional Science and Urban Economics, Review of International Economics, Oxford Review of Economic Policy and the Southern Economic Journal, and the B.E. Journal of Theoretical Economics.

**Abstract:**

In this paper we examine how regional disparities in innovation activities affect economic geography, growth and regional inequality. To this end, we construct a two-region general equilibrium model in which firms operate under Cournot competition and innovate through in-house R&D. Regions are symmetric except for firms' capacity to absorb knowledge (R&D spillovers). Workers can move across locations at a cost. We show that spatial disparities in knowledge spillovers can account for agglomeration. However, since migration costs act as a dispersion force, the analysis can also account for economies where not all R&D activities and not all workers are agglomerated in the most productive region; as well as accounting for regional income inequality.

Keywords: Growth, Economic geography, Innovation, Endogenous mark-ups

**Reservation:**

Admission is free. Please reply to [h-dae@ntu.edu.sg](mailto:h-dae@ntu.edu.sg) to confirm your attendance.