Conference on the Economics of Innovation in Memory of Zvi Griliches

Organized by Philippe Aghion, Lee Branstetter and Adam Jaffe with the support of LVMH and Fondation du Collège de France

May 21-24 2024
9:00 Opening
by Thomas Römer, Administrator of Collège de France

9:15 Welcome and Introductions
by Philippe Aghion, Lee Branstetter and Adam Jaffe

9:30 Economics of Science 1
[Chair: Lee Branstetter]
Ina Ganguli, “Price Shocks and Scientific Production: Evidence from University Procurement Contracts”
Discussant: Karim Lakhani

Dan Gross, “Escaping the Burden of Knowledge through Pasteur’s Back Door: World War II and the Mid-century Expansion of Biomedical Science”
Discussant: Pierre Azoulay

Karim Lakhani, “AI at the Scientific Frontier: Mapping the Diffusion of Artificial Intelligence”
Discussant: Antonin Bergeaud

11:30 Break

12:00 Keynote Speaker
Introduction: Philippe Aghion
Speaker: Joel Mokyr

12:45 Economics of Science 2
[Chair: Jacques Mairesse]
Kyle Myers, “Productivity Beliefs and Efficiency in Science”
Discussant: Bronwyn Hall

Discussant: Ina Ganguli

Benjamin Jones, “Adaptability and the Pivot Penalty in Science and Technology”
Discussant: Manuel Trajtenberg

13:45 Lunch break

13:45 Innovation and Growth 1
[Chair: Benjamin Jones]
Nicolas Crouzet, “Intangible capital, non-rivalry, and growth”
Discussant: Philippe Aghion

Ernest Liu, “Production Chains and Technological Transitions”
Discussant: Fabrizio Zilibotti

Maarten de Ridder, “Growth Through Innovation Bursts”
Discussant: Ufuk Akcigit

15:45 Break

16:15 Lunch break

16:15 Innovation and Growth 1
[Chair: Benjamin Jones]
Nicolas Crouzet, “Intangible capital, non-rivalry, and growth”
Discussant: Philippe Aghion

Ernest Liu, “Production Chains and Technological Transitions”
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Maarten de Ridder, “Growth Through Innovation Bursts”
Discussant: Ufuk Akcigit

18:15 Adjourn
9:00  Innovation and Growth 2  
[Chair: Bronwyn Hall]  
Ufuk Akcigit, “Where Have All the «Creative Talents» Gone? Employment Dynamics of Inventors”  
Discussant: Pete Klenow  
Timo Boppart, “Ideas Rents and Firm Growth”  
Discussant: Ernest Liu  
Fabrizio Zilibotti, “The Cleaning Effects of Quality-Led growth”  
Discussant: Maarten de Ridder

11:00  Break

11:30  Keynote Speaker  
Introduction: Philippe Aghion  
Speaker: James Heckman

12:15  Lunch break

13:15  Inventors, Patents and IPR  
[Chair: Reinhilde Veugelers]  
Kevin Bryan, “The Paper Trail of Knowledge, Revisited”  
Discussant: Fabiana Visentin  
Mark Schankerman, “Screening Property Rights for Innovation”  
Discussant: Dietmar Harhoff  
Mercedes Delgado, “Are Female Inventors Geographically Constrained? Gender Differences in Team Collocation”  
Discussant: Kyle Myers

15:15  Break

15:45  Panel Discussion:  
[Moderator: Ben Jones]  
Productivity Slowdown: Once and Future?  
Robert Gordon  
Ufuk Akcigit  
Pete Klenow  
Huiyu Li

17:15  Pete Klenow, “Romer or Ricardo”?  
Discussant: Timo Boppart

18:00  Adjourn
THURSDAY, MAY 23, 2024

9:00 Value, Direction and Consequences of Innovation [Chair: Pierre Azoulay]
Shane Greenstein, “New Economic Forces Behind the Value Distribution of Innovation”
Discussant: Lee Branstetter
Xavier Jaravel, “Social Push and the Direction of Innovation”
Discussant: Ariel Stern
Fabiana Visentin, “How fast is this novel technology going to be a hit? Antecedents predicting follow-on inventions”
Discussant: Kevin Bryan

11:00 Break

11:30 Keynote Speaker
Introduction: Lee Branstetter
Speaker: Robert Gordon

12:15 Lunch break

13:15 Causes and Consequences of Innovation [Chair: Dietmar Harhoff]
Discussant: Iain Cockburn
Josh Lerner, “The Diffusion of New Technologies”
Discussant: Gaetan de Rassenfosse
Discussant: Kathy Shaw

15:15 Break

15:45 Producers, Inventors, and Innovation [Chair: Carolyn Stein]
Dominique Guellec, “NPL vs. NLP: Analysing the links between science and technology using citations and semantics”
Discussant: Adam Jaffe
Dietmar Harhoff, “Inventor Returns and Mobility”
Discussant: Mercedes Delgado
Antonin Bergeaud, “The missing workers: Innovation and demographics after World War I”
Discussant: Dan Gross

17:45 Adjourn
9:00 **Keynote Speaker**
Introduction: Adam Jaffe
Speaker: Kathryn Shaw

9:45 **Economics of Science 3**
[Chair: Iain Cockburn]
Bronwyn Hall, “Explorations of cumulative advantage using data on French physicists”
Discussant: Francesco Lissoni
Carolyn Stein, “The Wandering Scholars: Understanding the Heterogeneity of University Commercialization”
Discussant: Reinhilde Veugelers

11:05 **Break**

11:30 **Panel Discussion:**
[Moderator: Adam Jaffe]
*Big Data, NLP, ML—Where have they gotten us and where are we going?*
Manuel Trajtenberg
Antonin Bergeaud
Kevin Bryan
Reinhilde Veugelers

13:00 **Adjourn**