

## GRIPS 国際カンファレンス

### 「スター・サイエンティストと産学間の知識移転：イノベーション促進に向けて」

「サイエンスの経済学」分野の研究では、Zucker & Darby らにより「スター・サイエンティスト(Star Scientist)」の存在が指摘されています。スター・サイエンティストとは、卓越した研究業績を残す少数のサイエンティストのことを指し、通常の研究者に比べて、多くの論文を出版し、多くの引用を集め、特許を多数出願しています。それと同時に、スター・サイエンティストは、通常の研究者と比べ、ベンチャー企業を設立する傾向にあり、またその関わっているベンチャー企業は他のベンチャー企業に比較して、高い業績を生み出しています。このスター・サイエンティストと企業の好循環は、米国のみならず、80年代の日本においても、一部観察されています。本セミナーでは、スター・サイエンティスト研究の分野を確立させた Lynne Zucker 教授にスター・サイエンティストに関する研究成果をお話しただくとともに、共同研究者の Michael Darby 教授をまじえて今後の研究の可能性等についてのパネル・ディスカッションを行います。

日時：2017年9月11日(月) 15:00-19:30 (受付開始 14:50)

会場：政策研究大学院大学(東京都港区六本木7-22-1)

Part1と意見交換会は4階・研究会室4Aにて、Part2は1階・会議室1Aにて開催

使用言語：英語(Part2は同時通訳がつきます)

主催：政策研究大学院大学(政策研究センター・短期学術会議支援事業)；

科学研究費補助金・基盤研究(B)「学術的知識の導入が企業におけるイノベーションに及ぼす影響」

※ 13:20-14:50には、Prof. Zucker & Prof. Darby による GIST セミナーが同会場で開催されます。

詳細はこちら：[http://www3.grips.ac.jp/~sumikura-mostip/85\\_GIST\\_Seminar\\_flyer.pdf](http://www3.grips.ac.jp/~sumikura-mostip/85_GIST_Seminar_flyer.pdf)

参加登録はこちら：<https://krs.bz/scirex/m?f=116>

13:20-14:50、15:00-17:00、18:00-19:30のそれぞれのセッションの参加登録ができます。

司会：隅藏康一(政策研究大学院大学 教授)

#### Part 1: ワークショップ「産学間の知識移転」

15:00-16:00 研究報告

隅藏 康一(政策研究大学院大学)「イノベーションにおける学術的知識の役割」

齋藤 裕美(千葉大学)「日本のスター・サイエンティストの分析」

伊藤 裕子(科学技術振興機構)・永野博(科学技術振興機構/政策研究大学院大学)

「公的研究機関と病院との連携」

16:00-16:55 産学連携への期待：産業界等からのコメント

16:55-17:00 このセッションのまとめと閉会

(17:00-18:00 意見交換会：軽食と飲み物がフリー形式で提供されます。)

#### Part 2: オープン・セミナー「スター・サイエンティスト：知識移転と新事業創出におけるその役割」

(Part 2は同時通訳がつきます)

18:00-18:10 開会の辞：桑原 輝隆(政策研究大学院大学 教授)

18:10-18:50 特別レクチャー「スター・サイエンティストと新事業創出」

リン・ザッカー(カリフォルニア大学ロスアンゼルス校教授)

18:50-19:20 パネル・ディスカッション

モデレーター：牧 兼充(早稲田大学ビジネススクール 准教授)

パネリスト：マイケル・ダービー(カリフォルニア大学ロスアンゼルス校教授)；リン・ザッカー(同上)

19:20-19:30 このセッションのまとめと閉会

**GRIPS International Conference**  
**“Star Scientists and Knowledge Transfer between Academia and Industry:  
Towards Promotion of Innovation.”**

In the field of Economics of Science, Zucker and Darby have pointed out the existence of “star scientists.” The term “star scientists” refers to the selected few scientists who can produce excellent results. They publish more articles than typical scientists. Their articles are cited more often than typical scientists. They apply for more patents than typical scientists. Star scientists also tend to found start-ups more often than typical scientists. Their start-ups can perform better than others. Linkage between star scientists and companies are observed not only in the U.S. but also partially in Japan in the 80s. We invite Professor Lynne Zucker and Michael Darby who established a series of star scientists’ studies and organize the following meetings on September 11<sup>th</sup>, 2017.

**Time and Date: 15:00-19:30, September 11<sup>th</sup>, Monday (Reception Start Time 14:50)**

**Venue: Research Meeting Room 4A (Part 1 and Exchange of idea), Meeting Room 1A (Part 2),**

**National Graduate Institute for Policy Studies (7-22-1 Roppongi, Minato-ku, Tokyo 106-8677 Japan)**

**Language: English (Part 2 with simultaneously translated)**

**Supported by: Grants for Organizing Short-Term Academic Conferences, GRIPS and  
KAKENHI KIBAN (B) 15H03377.**

- Prior to this conference, GIST seminar by Prof. Zucker & Prof. Darby is held at GRIPS.  
For details: [http://www3.grips.ac.jp/~sumikura-mostip/85\\_GIST\\_Serminar\\_flyer.pdf](http://www3.grips.ac.jp/~sumikura-mostip/85_GIST_Serminar_flyer.pdf)

Webpage for registration: <https://krs.bz/scirex/m?f=116>

You can register for each of the three sessions, 13 : 20—14 : 50, 15 : 00—17 : 00 and 18 : 00—19 : 30.

Chairperson: Professor Koichi Sumikura, GRIPS.

**Part 1: Workshop “Knowledge Transfer between Academia and Industry.”**

15:00-16:00 Presentations by Researchers (15 minutes each and Q&A)

“Function of academic knowledge in innovation,” Koichi Sumikura, GRIPS.

“Analyzing the Star Scientists in Japan,” Hiromi Saito, Chiba University.

“Collaboration between public research institutes and hospitals,”

Yuko Ito, JST and Hiroshi Nagano, JST & GRIPS.

16:00-16:55 Presentations by Japanese Corporations and others,  
on what they expect from academia-industry cooperation. (TBA)

16:55-17:00 Wrap-up and Closing of this session.

(17:00-18:00 Exchange of idea: Light meals and beverages are served for free.)

**Part 2: Open seminar “Star Scientists: their Roles in Knowledge Transfer and Creation of New Business.”**

18:00-18:10 Opening Remark: Professor Terutaka Kuwahara, GRIPS.

18:10-18:50 Special Lecture: Professor Lynne Zucker, UCLA.

18:50-19:20 Panel Discussion

Moderator: Associate Professor Kanetaka Maki, WBS.

Panelists: Professor Michael Darby, UCLA; Professor Lynne Zucker, UCLA.

19:20-19:30 Wrap-up and Closing of this session.

## **Lynne Zucker, Professor in the Departments of Sociology and Policy Studies, UCLA.**

My training is in organizational sociology, institutional theory, economic sociology, and social psychology. My current major interests are on processes and impact of knowledge transmission from basic science to commercial use, especially impact on economic performance of firms, creation of new organizational populations (some of which become new industries), and on productivity growth. I share with Michael Darby an interest in identifying the major mechanisms of knowledge transfer and the institutional infrastructure that cause metamorphic industry change and rapid economic growth. Within the context of basic scientific breakthroughs that are commercially applicable, we are exploring other measures of success such as IPO returns and examining the impact of other means of knowledge transfer such as joint ventures. We are now studying many of the same processes in nanoscience, a newly emerging basic research area with significant commercial potential. To identify institutional infrastructure effects, we are completing a comparative study of biotech in Japan and the U.S. and embarking on a set of major international analyses of the transmission of scientific breakthroughs to commercial use in nanotechnology.



<http://www.sociology.ucla.edu/sites/default/files/Zucker.pdf>

## **Michael Darby, Professor, UCLA Anderson School of Management, Warren C. Cordner Chair in Money and Financial Market.**

A recognized authority in macroeconomics and international finance, Michael Darby has achieved great success in both the academic and public sectors. From 1986 to 1992, Darby served in a number of senior positions in the Reagan and Bush administrations including Assistant Secretary of the Treasury for Economic Policy, Member of the National Commission on Superconductivity, Under Secretary of Commerce for Economic Affairs, and Administrator of the Economics and Statistics Administration. During his appointment, he received the Treasury's highest honor, the Alexander Hamilton Award.



Dr. Darby is the widely-cited author of eleven books and monographs and numerous other professional publications. His most recent research has examined the growth of the biotechnology and nanotechnologies industry in the United States and in California, all science and engineering fields and high-technology industries in the world, and the role that universities and their faculties play in encouraging local economic development. Concurrently he holds appointments as chairman of The Dumbarton Group, research associate with the National Bureau of Economic Research, and adjunct scholar with the American Enterprise Institute. He is also director of UCLA's John M. Olin Center for Public Policy, a position he has held since 1993. Previous to his Anderson School appointment in 1987, Darby held faculty positions or fellowships with UCLA's department of economics, Stanford University, and Ohio State University. From his schooling to 1982, he also was vice president and director of Paragon Industries, Inc., a Dallas manufacturer of high-temperature kilns, furnaces, and refractories.

<http://luskin.ucla.edu/person/michael-darby/>

<http://www.anderson.ucla.edu/faculty-and-research/strategy/faculty/darby>

(お知らせ)

18 : 00～19 : 30 のセッションについては、当日ストリーム配信を行う予定です。なお、通訳音声は配信されません。  
詳細は、以下のイベントページをご覧ください。 <https://www.facebook.com/events/499639410387359/>

(Information)

The Part 2 of the international conference, 18:00-19:30, will be streamlined on the web.

However, translators' voice will not be streamlined.

For details, please look at the following page. <https://www.facebook.com/events/499639410387359/>