



**Master Seminar on
Innovation and Technological Change**

Winter Term 2024/25

The Seminar on “Innovation and Technological Change “ is aimed at all master students interested in advanced economic theory and its applications. The presentation will take place on December 12 and/or 19, at 12.30 pm in Seminarraum 331 (WiWi Sem Mohl) the deadline for the term paper is February 28, 2025 at 1 pm. Precondition is some profound knowledge in Applied Microeconomics and Innovation and Technological Change and the willingness to learn new concepts and techniques.

Registration: You have to register online via ILIAS. The application is open from Monday, October 21, 10 am until Wednesday, October 30, 10 am. The places are limited to 12 participants. The topics and places are allocated according to a first-come-first-served system.

Organizational Meeting: There will be a mandatory kick-off meeting on Thursday, October 31, at 13.15 pm. In this meeting, we will clarify the contents and the key messages of the presentations and the seminar papers. Upon request an additional individual appointment can take place in November to clarify the scope and the aim of your presentation and the term paper. It is important that you have skimmed the relevant model before the talk.

Presentation: The presentations are limited to 20 minutes so that some time is left for discussion. The aim of the presentation should be that fellow students understand the core of the model, i.e. the topic to be explained and the method used to solve the model. Your task is fulfilled in the best possible way, if you succeed in inspiring other students for the topic. The presentations should be very focussed, possible extensions should be postponed to the critical discussion at the end.

Criteria for grading are (i) self-dependence in preparing the presentation and the seminar paper, (ii) clarity and persuasiveness of the presentation and the paper, and (iii) taking an active part in the seminar.

Topics and References:

1. R&D Spillovers and Cooperation

D'Aspremont, C., Jacquemin, A. (1988) Cooperative and Noncooperative R&D in Duopoly with Spillovers. In: *The American Economic Review* vol. 78.

2. R&D Spillovers, Cooperation and Uncertainties

Miyagiwa, K., Ohno, Y. (2002) Uncertainty, Spillovers and Cooperative R&D. In: *International Journal of Industrial Organization* vol. 20.

3. R&D Spillovers Dynamics

Celline, R., Lambertini, L. (2004) Dynamic R&D with Spillovers: Competition vs. Cooperation. In: *Journal of Economic Dynamics and Control* vol. 33.

4. R&D Spillovers and Mergers

Jost, P., van der Velden, C. (2006) Mergers in Patent Contest Models with Synergies and Spillovers. In: *Schmalenbach Business Review* vol. 58.

5. Research Rivalry vs Cooperation

Beath, J., Katsoulacos, Y., Ulph, D. (1988) R&D Rivalry vs R&D Cooperation under Uncertainty. In: *Louvain Economic Review* vol. 54

6. Technology Transfer through Acquisitions

Cabral, L. (2018) Standing on the Shoulders of Dwarfs: Dominant Firms and Innovation Incentives. *Working Paper*. .

7. Acquisition of Start-ups

Katz, M. (2020) Big Tech Mergers: Innovation, Competition for the Market, and the Acquisition of Emerging Competitors. In: *Information Economics and Policy* vol. 54.

8. Acquisition and Shutdown of Start-ups

Cunningham, C., Ederer, F., Ma, S. (2021) Killer Acquisition. In: *Journal of Political Economy*, vol. 129, no. 3.

9. Acquisition and Integration of Start-ups

Dijk, E., Moraga-González, J., Motchenkova, E. (2023) Start-up Acquisitions and Entrant's and Incumbent's Innovation Portfolios. *Working Paper*.

10. Acquisition of Start-ups and Welfare Consequences

Bryan, K. A., Hovenkamp, E. Antitrust Limits on Startup Acquisitions (2020) *Review of Industrial Organization*, no. 56

11. Digital Markets: Merger and Consumer Data

Chen, Z., Choe, C. , Cong, J., Matsushima, N. (2022) Data-Driven Mergers and Personalization. *The RAND Journal of Economics*, vol.53, no.1.

12. Digital Markets: Advertising-Funded Platforms

Choi, J. P., Jeon, D. (2023) Platform Design Biases in Ad-Funded Two-Sided Markets. *The RAND Journal of Economics*, vol.54, no.2.