

# Economics of Science and Technology

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Fachbereich Wirtschaftswissenschaften

Economic Policy, Innovation and Entrepreneurship Group (Dr. Johannes König)

Summer Term 2022

## Time and Location

Monday, 14:15-17:45

Depending on the pandemic situation either in Arnold-Bode 10 - Room 1102 or via Zoom

## Overview

Innovation drives growth and job creation in modern economies. New knowledge on which innovation is based often derives from scientific research. Understanding the economics of science and the processes in which new scientific knowledge is transferred to the economy is therefore of major importance to explain and possibly improve innovation performance. At the same time, knowledge is a good with rather unusual economic properties, which raises various types of externality and incentive problems. With the system of *Open Science*, a specific set of institutions has developed over time to address these issues. Studying *Open Science* therefore helps economists to better understand the working of competitively self-governing societal subsystems outside the sphere of traditional markets. It is therefore little surprising that a burgeoning literature deals with the economics of science. The course will provide an introduction into this literature.

The course combines a lecture part with seminar sessions in which students present and discuss selected recent articles in the economics of science and technology.

Recommended background reading: Stephan, Paula (2012): *How Economics Shapes Science*, Harvard University Press.

## Requirements (6 ECTS Credits):

- Seminar paper plus oral presentation.
- Attendance and active participation in the seminar sessions (dates will be announced).
- All individual requirements have to be passed to earn credits.

**Registration and choice of topics via Moodle. All further information will be announced via Moodle.**

**Maximum number of participants: 25. Each topic will be allocated to no more than two students.**