UNIVERSIDAD DE GRANADA

Departamento de
Teoría e Historia
Económica

Seminario: Michael E. Rose (Max Planck Institute for Innovation and Competition)

08/03/2022

Seminario 2021-2022



Título: The Long-Term Role Model Effect of Prizes to Female Scientists

Sala: E28

Hora: 12:30

Abstract: Women are still underrepresented in many scientific fields and most prominently in the fields of science, technology, engineering and mathematics (STEM). One of the most important reasons for this under representation is the masculine culture in these fields. Previous research has shown that female role models can play an important role in changing the perceptions about a masculine domain leading to more interest and entry into these fields. In this paper we look at the long term effect of prestigious prizes to female scientists. To test our theoretical framework we use a unique longitudinal data set of a comprehensive population of 40 million active scientists since 1970. We find that after the first female prize winner in a certain country and field, the share of active female scientists in that country and field increases by 3 p.p. on average. Since the share of women in our sample is below 30% in most countries, this corresponds roughly to a 10% increase from baseline.

Copyright© 2026 Universidad de Granada