

# SAMTAL@SU

Science and Mathematics Teaching and Learning Seminars

## TRAINING SCIENCE TEACHERS IN ENGLAND

**James de Winter**

**Date and time: 16 May 12:00-13:00**

**Place: E 250 Svante Arrhenius väg 20 A**

*Lunch seminar 12-13 followed by informal discussion (samtal) over coffee 13-13:30  
To register for a sandwich, send your name, affiliation and any dietary requirements to  
[john.airrey@mnd.su.se](mailto:john.airrey@mnd.su.se) or fill in the doodle at <https://doodle.com/poll/x4rsaagdivz4ap8z#table>*

### Abstract

The recruitment and retention of high quality science teachers in England represents a major challenge. In the area of physics for example, national publicity campaigns, intervention from the Institute of Physics and tax-free bursaries (of up to 350,000 SEK) have had little effect on the number of graduates entering the profession. In this seminar I will first present the range of routes available for becoming a teacher in England, before describing in detail the content of the physics, chemistry and biology teacher preparation courses at the University of Cambridge. In the presentation I will also reflect on the wider landscape of teacher education in England, the factors that shape it and speculate on possible future developments.

*James de Winter leads the physics teacher preparation course at the Faculty of Education, University of Cambridge in the UK. He is also a member of the Physics Education Research Group at the University of Uppsala, where he is a doctoral student*



SAMTAL@SU seminars are arranged in collaboration with:

The Department of Mathematics and Science Education  
The Centre for the Advancement of University Teaching



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