



# Salam Distinguished Lecture Series 2019: Juan Maldacena

28 – 30 January 2019  
Budinich Lecture Hall

Monday 28 January  
2019  
at 16.30 hrs

**Lecture 1**  
Quantum  
mechanics and  
the geometry of  
spacetime

Tuesday 29 January  
2019  
at 16.30 hrs

**Lecture 2**  
Toy models for  
black holes

Wednesday 30 January  
2019  
at 11.00 hrs

**Lecture 3**  
Toy models for  
black holes,  
part two



Photo: Brigitte Lacombe

## Juan Maldacena

School of Natural Sciences at Institute  
for Advanced Study, Princeton, USA.

Juan Maldacena's work focuses on quantum gravity, string theory, and quantum field theory. He has proposed a relationship between quantum gravity and quantum field theories that elucidates various aspects of both theories. He is studying this relationship further in order to understand the deep connection between black holes and quantum field theories, and he is also exploring the connection between string theory and cosmology.