



Seminar

LOCKE ROWE

Fellow, SCAS.

Distinguished Professor of Evolutionary Biology, University of Toronto.
Research Associate, Royal Ontario Museum

Why are There Sex Differences in Variability, Integration and Evolutionary Rates?

Tuesday, 9 October, 11:15 a.m.

In the Thunberg Lecture Hall
SCAS, Linneanum, Thunbergsvägen 2, Uppsala
www.swedishcollegium.se

S W E D I S H
C O L L E G I U M
for ADVANCED STUDY

ABOUT LOCKE ROWE

Locke Rowe is known for his research in evolutionary biology, with a focus on life histories and the ecology and evolutionary genetics of sex differences. His work in these areas has included theoretical development, empirical tests of theory, and syntheses. He has published about 120 papers in refereed journals and the Princeton monograph *Sexual Conflict* (with G. Arnqvist). His work has appeared in *Science*, *Nature*, and *PNAS*, and regularly in the journals *The American Naturalist*, *Evolution*, *Ecology*, and *Proceedings of the Royal Society B*. He is an elected Fellow of the American Association for the Advancement of Science and a Senior Fellow of Massey College, Toronto, as well as a past senior Canada Research Chair at the University of Toronto. He has served on the editorial boards of *Proceedings of the Royal Society B*, *Evolution*, *The Quarterly Review of Biology*, and *The American Naturalist*, where he recently served as Vice President of its publishing society. He has served as the head of the Department of Ecology and Evolutionary Biology, and more recently as the Dean, School of Graduate Studies, and Vice-Provost, Graduate Research & Education, of the University of Toronto.

At SCAS, Rowe will be addressing questions about sex-specific selection and the evolution of the genome.

ABSTRACT

After introducing an evolutionist's view of biological sex, and its consequences, I will then discuss some well-known evolutionary patterns in sex differences, and ask whether new information-rich genomic data aligns with these patterns. Finally, I'll outline a verbal theory that may help account for these patterns. My time at the Collegium, with colleagues, will be devoted to formalizing and testing this theory.