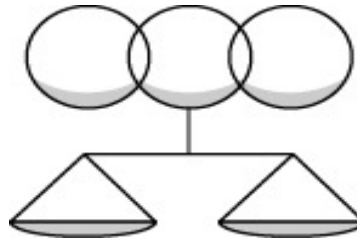


GRUTER INSTITUTE

FOR
LAW AND BEHAVIORAL RESEARCH



**Does Hamilton Still Rule?
His Continuing Influence in Science and Society
50 Years Back and Beyond**

**University of Oxford
New College
September 5-7, 2019**

**Convened by the Gruter Institute for Law & Behavioral Research
With Support from Ann & Gordon Getty**

Co-Organizers:

Monika Gruter Cheney, J.D.

Oliver Goodenough, J.D.

Andrew Torrance, J.D., Ph.D.

Isabel Behncke, Ph.D.

Organizing Goals

W.D. Hamilton first advanced his theory of inclusive fitness more than 50 years ago. This theory, formalized in “Hamilton’s Rule,” provided a key solution for one of Darwin’s outstanding problems, the evolution of altruism, and spawned a virtual Cambrian Explosion in research in evolutionary biology and related fields. Theoreticians and empiricists throughout the world have spent five decades testing, hypothesizing about, and, in some cases, building entire fields of research based on, inclusive fitness. In addition, Hamilton’s pioneering work on sexual reproduction helped launch decades of research that continues to flourish. The goal of our symposium is to evaluate the impact of Hamilton’s work in science and society over the last half-century, and to explore its continuing influence in the next half-century and beyond.

We are fortunate to have a preeminent, interdisciplinary group of scientists, historians, and other thinkers gathering together to participate in this discussion. In order to provide a useful arc to the symposium sessions and allow ample time for discussion, we have organized the three-day symposium into sessions focused on the topics outlined below.

In addition, we are delighted that participants have agreed to provide a collection of essays on the subject in the style of a posthumous *Festschrift*. We are pleased that Professor Ullica Segerstrale, author of *Nature’s Oracle: The Life and Work of W.D. Hamilton*, has agreed to serve as editor of this collection of essays.

Arrival Day: September 4 - Dinner at 6:00pm – Macdonald Randolph Hotel

Day 1: September 5 – McGregor Matthews Room - New College

8:45 – 9:15

Welcome, Opening Remarks

**Monika Gruter Cheney, Gordon Getty
Andrew Torrance, Oliver Goodenough, Isabel Behncke, Ullica Segerstrale**

9:15 – 12:30

Units of Selection

Chair: Andrew Torrance

9:15 – 9:55 Andy Gardner

9:55 – 10:35 Mark Borrello

10:35 – 10:55 Break

10:55 – 11:35 Eörs Szathmáry

11:35 - 12:05 Herb Gintis (via Erol Akçay)

12:05 – 12:30 Response: Richard Dawkins

12:30 -2:00

Lunch – Medieval Hall, New College

2:00 – 6:00

Fitness Interdependence

Chair: Ashleigh Griffin

2:00 – 2:30 Gordon Getty

2:30 – 3:10 Alan Grafen

3:10 – 3:50 Erol Akçay

3:50 – 4:20 Break

4:20 – 4:50 Oliver Goodenough

4:50 – 5:15 Response: Stuart West and Nick Humphrey

5:15 – 6:00 General Discussion

6:00 – 7:00

Sparkling Wine Reception - Founder's Library, New College

7:00 – 9:00

Dinner - Founder's Library, New College

Day 2: September 6 - McGregor Matthews Room - New College

9:15 – 10:20 **Fitness in Complex Systems**

Chair: Andy Gardner

9:15 – 9:55 **Stuart West**

9:55 – 10:20 **Response: Mark Borello**

10:20 – 10:40 **Break**

10:40 – 12:40 **Reflections from Field Research, Primatology, and Other Disciplines I**

Chair: Nick Humphrey

10:40- 11:20 **Robert Seyfarth and Joan Silk**

11:20 – 12:00 **Lydia Hopper**

12:00 – 12:40 **Carl Simon**

12:40 – 1:40 **Lunch - Medieval Hall, New College**

1:40 – 3:30 **Reflections from Field Research, Primatology, and Other Disciplines II**

Chair: Nick Humphrey

1:40 – 3:00 **Respondents: Bobbi Low, Isabel Behncke,
Richard Wrangham, Bernie Crespi**

3:00 - 3:30 **General Discussion**

3:30 – 3:45 **Break**

3:45 – 5:15 **Influences of Hamilton's Rule on the Path of Science**

Chair: Marlene Zuk

3:45 – 4:05 **Mary Bliss**

4:05 – 4:45 **Ullica Segerstrale**

4:45 – 5:15 **Andrew Torrance**

7:00 **Cocktail Party - Great Hall, The Natural History Museum**

7:45 **Dinner - Great Hall, The Natural History Museum**

Day 3: September 7 – Ballroom Near End - Macdonald Randolph Hotel

9:00 – 12:00 **Comparative Approaches: Humans and Other Living Things**

Chair: Lydia Hopper

9:00 – 9:40 **Ashleigh Griffin**

9:40 – 10:20 **Richard Wrangham**

10:20 – 10:40 **Break**

10:40 – 11:20 **Bernie Crespi**

11:20 – 12:00 **Rob Boyd & Pete Richerson**

12:00 – 1:00 **Lunch – Macdonald Randolph Hotel**

1:00 – 2:50 **Hamilton's Additional Work: The Evolution of Sexual Reproduction**

Chair: Alan Grafen

1:00 – 1:40 **Paul Ewald**

1:40 – 2:20 **Marlene Zuk**

2:20 – 2:50 **Break**

2:50 – 4:15 **The Next 50 Years and Beyond**

Co-Chairs:

Ullica Segerstrale, Mark Borrello

Discussion: All Participants

4:15 – 7:00 **(Optional) Historic Oxford Walking Tour with Libations**

7:00 **Dinner at Malmaison, Oxford Castle, 3 New Road, Oxford**