

Human Evolution, Genetic 8]j Yfg]lm, & Perceptions of Race



iowacitydarwin.org



IOWA CITY DARWIN DAY 2020

**FRI 85M FEB 21 /
SATI F 85M FEB 22**

**CHARMAINE ROYAL
JOHN NOVEMBRE
ANYA PRINCE
CARIN BONDAR
BETH YALE**

AND

**TWO FREE WORKSHOPS
OPEN TO FACULTY, STAFF
AND STUDENTS
REGISTER AT
IOWACITYDARWINDAY.ORG**

Friday Feb 21

Special Presentation

Main Library Special Collections
11:00 am Illustrated Natural History in Victorian Britain: How Darwin and his contemporaries shared knowledge in books
Beth Yale

Workshop 1

106 Biology Building East
12:30-2:30 pm
Playing With Fire? How we perpetuate biological beliefs about race in the classroom and how we can avoid it
Paul Strode and Brian Donovan

Seminar Talks

Kollros Auditorium, Biology Building East
3:00 pm &scop fi; a; °æš ša Ÿ fl; š °m
« « ̂ E « ± ° Ÿ j ° m j ° Ÿ j °
mš ̂ š Ÿ j & « μ š
3:45 pm « 2; ! j ° m « Ÿ ° ̂
mš ̂ š Ÿ j « E ̂ - m š ° ̂ ̂ ̂ Ÿ
fi; a; ° æ š š ̂ š ° m
John Novembre

4:45 pm (m; i ° m æ ̂ « C \$ « μ E; a; j ° æ & Ÿ S
' ̂ ̂
° a μ š \$ ̂ ̂

/ Ÿ ° ' ̂ ̂ a; j
- © ' ̂ ̂ a ̂ ̂ « a ' ̂ ̂ j a
(m; / μ š Ÿ m Ÿ Ÿ ̂ ̂ Ÿ a ° j Ÿ > μ
\$ ̂ ̂ ̂ ̂ ̂ ̂ a Ÿ ̂ ̂ ̂ / « ̂ j ° Ÿ j Ÿ Ÿ - \$ μ

Saturday February 22

Public Lectures

MacBride Hall Auditorium
9:30 am fl ± © š a fi; a; j ° æ š Ÿ j ° Ÿ μ
) a Ÿ j ° š a Ÿ Ÿ E ° o ± ̂ j ° 2; j ° Ÿ ̂ ̂ ± E m
° m e lens of DNA
John Novembre

10:30 am Truth, Racial Healing & Transformation
Charmaine Royal

11:30 am Ancestry Testing, Privacy, and Law
Anya Prince

12:00 pm Evolution and the Modern Mom: The unique conundrum of *Homo sapiens*
Carin Bondar

Workshop 2

Iowa Memorial Union
355 Divine Nine Room
2:00-5:00 pm
The Groundwater Approach: Building a practical understanding of structural racism
Racial Equity Institute

Individuals with disabilities are encouraged to attend all University of Iowa-sponsored events. If you are a person with a disability who requires a reasonable accommodation in order to participate in this program, please contact
Deirdre Egan at 319-335-0188 or iowacitydarwin@gmail.com



Workshop 1

Playing with Fire? How we perpetuate biological beliefs about race in the classroom and how to avoid it
Dr. Paul K. Strode and Brian Donovan

Studies show that when students are taught simple Mendelian models of genetics, faulty assumptions about racial differences in behavior and ability can result. We introduce participants to educational frameworks that are useful for teaching students more complex models of inheritance that include an understanding of how genes respond to varying environments as well as the use of inductive learning, argumentation, model-based reasoning, and data analysis and interpretation. Participants also practice using a teaching intervention designed to be embedded in a genetics unit and based on research that demonstrates that racial biases, like stereotyping, can be reduced by improving how adolescents perceive human genetic variation within and between races. The materials provided in this workshop are aligned with NGSS core ideas and practices.

Workshop 2

The Groundwater Approach: Building a practical understanding of structural racism
The Racial Equity Institute

This workshop is designed to help instructors at all levels address the fact that we live in a racially structured society and that that this is what leads to racial inequity. The "groundwater" metaphor is based on three observations: racial inequity looks the same across systems, socioeconomic difference does not explain the racial inequity; and inequities are caused by systems, regardless of people's culture or behavior. Embracing these truths allows us and our students to confront the reality that systems, institutions, and outcomes emanate from the racial hierarchy on which the United States was built. In other words, we have a "groundwater" problem, and we need "groundwater" solutions.