

**Congratulations to all Animal Science majors who presented
their George H. Cook Honors Thesis on Earth Day 2014!**

SCHOOL OF ENVIRONMENTAL AND
BIOLOGICAL SCIENCES

RUTGERS UNIVERSITY



George H. Cook, circa 1860.

GEORGE H. COOK SCHOLARS PROGRAM

Presentation of the Honors Theses

By The 2013-2014 Candidates For

GEORGE H. COOK SCHOLAR

April 22, 2014

Cook Campus Center

12:00 – 5:00 PM

We're very proud of you!

SESSION: GENE EXPRESSION & METABOLISM I

CHAIRS: Prof. William Belden, ANIMAL SCIENCE
& Prof. Troy Roepke, ANIMAL SCIENCE



Rensa Chen '14

Biotechnology/Animal Science

Targeting of Ovarian Cancer Stem Cells with Thioridazine and Curcumin

Project Advisor
Dunne Fong
CELL BIOLOGY
& NEUROSCIENCE

Co-Advisor
Paul Meers
PLANT BIOLOGY
& PATHOLOGY

Reviewer:
Martin Schwander
CELL BIOLOGY
& NEUROLOGY



Marisa Snyder '14

Animal Science

Induction of the LH Surge and Gene Expression of KNDy Neurons by 17 β -Estradiol

Project Advisor:
Troy A. Roepke
ANIMAL SCIENCE

Reviewer:
Carol Bagnell
ANIMAL SCIENCE



Joshua Gilens '14

Animal Science

Effects of Developmental Exposure to Estrogenic Endocrine Disrupting Compounds on Adult Energy Homeostasis

Project Advisor:
Troy Roepke
ANIMAL SCIENCE

Reviewer:
Mehmet Uzumcu
ANIMAL SCIENCE



Ashleigh Bruno '14

Animal Science

The Effects of Fetal Alcohol Exposure on Mammary Tumorigenesis

Project Advisor:
Wendie Cohick
ANIMAL SCIENCE

Reviewer:
Carol Bagnell
ANIMAL SCIENCE



SESSION: ENVIRONMENTAL SCIENCE

CHAIR: Prof. Daniel Gimenez, ENVIRONMENTAL SCIENCE

Andrew Reicherter '14 Animal Science

Hydrologic Control on Organic Carbon in the Delaware Estuary

Project Advisor:
Elisabeth Sikes
MARINE & COASTAL SCIENCES

Reviewer:
Lisa Rodenburg
ENV. SCIENCE



SESSION: SOCIAL SCIENCES AND PSYCHOLOGY

CHAIR: Prof. Mark Robson, ENTOMOLOGY

Cynthia Willems '14 Animal Science/Public Health

The Influence of All 4 Kids Program on the Gross Motor Skills of Preschool Children

Project Advisor:
Nurgul Fitzgerald
NUTRITIONAL SCIENCES

Reviewer:
Debra M. Palmer
NUTRITIONAL SCIENCES



SESSION: ECOLOGY & ANIMAL BEHAVIOR

CHAIR: Prof. Larry Katz, ANIMAL SCIENCE

Jamie Hoyeng So '14 Animal Science

Development of a Protocol to Induce Estrus in Goats with an Orally Administered Progestin

Project Advisor:
Larry Katz
ANIMAL SCIENCE

Co-Advisor:
Susan Becker
ANIMAL SCIENCE

Reviewer:
Daniela Sharma
ANIMAL SCIENCE





We also salute these other George H. Cook Scholars of the SEBS Class of 2014:

...whose research was supervised by an Animal Science faculty member but who completed a different major:

- **Rebecca Rocha** (Biological Sciences) ~ *April 22, 2014 defense*
Temporal Characteristics of miR-9 on Ethanol Exposure and Withdrawal
 - Project Advisor: Dr. Andre Pietrzykowski, Animal Science

...who majored in Animal Science but defended their thesis on a different day:

- **Anna Hsieh** (Animal Science) ~ *December 2013 defense*
GHSR and UCP2 Expression Is Regulated in the Arcuate Nucleus and NPY Neurons by Fasting, Diet-Induced Obesity and 17-Estradiol in Mice
 - Project Advisor: Dr. Troy Roepke, Animal Science
- **Meghan Ramos** (Animal Science) ~ *February 2014 defense*
The Incidence of Osteochondritis Dissecans in Thoroughbred Horses: Metabonomic and Sire Effects
 - Project Advisor: Dr. Sarah Ralston, Animal Science
- **Amanda Xue** (Animal Science) ~ *May 2014 defense*
Palatability of an Egg-Based Supplement in Horses
 - Project Advisor: Dr. Kenneth McKeever, Animal Science



THE GEORGE H. COOK SCHOLARS PROGRAM

The George H. Cook Honors Committee

2013-2014

Prof. Malcolm Watford, Director
G. H. COOK HONORS PROGRAM/NUTRITIONAL SCIENCES
Thompson Hall, Room 130
Watford@aesop.rutgers.edu

Prof. William Belden
PLANT BIOLOGY & PATHOLOGY
Lipman Hall, Room 121
belden@aesop.rutgers.edu

Prof. Holly Nelson
LANDSCAPE ARCHITECTURE
Blake Hall, Room 113
Holly.nelson@rutgers.edu

Prof. Nicholas Bello
ANIMAL SCIENCE
Bartlett Hall, (848) 932-2966
nbello@aesop.rutgers.edu

Prof. Mark Robson
ENTOMOLOGY
Foran 204A, 848-932-6276
robson@aesop.rutgers.edu

Prof. Siobain Duffy
ECOLOGY, EVOLUTION & NATURAL
RESOURCE
Foran Hall, (848) 932-6299
siobain@rci.rutgers.edu

Prof. Troy Roepke
ANIMAL SCIENCE
Bartlett Hall
ta.roepke@rutgers.edu

Prof. Wolfram Hofer
LANDSCAPE ARCHITECTURE
Blake Hall, Rm. 113 (848) 932-9313
whofer@sebs.rutgers.edu

Prof. Rachael Shwom
HUMAN ECOLOGY
Cook Office Build, Rm. 212 (848) 932-9235
shwomrac@rci.rutgers.edu

Prof. Peter Kahn
BIOCHEMISTRY & MICROBIOLOGY
Lipman Hall, Rm. 120 (848) 932-5618
kahn@aesop.rutgers.edu

Prof. Beverly Tepper
FOOD SCIENCE
Food Science Build, Rm. 207 (848) 932-5417
tepper@aesop.rutgers.edu