

**Faculty Student Summer Research Program
Summer 2014**

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The Schupf Scholars Program

2014-2015

2011-2012

2008-2009

2013-2014

2010-2011

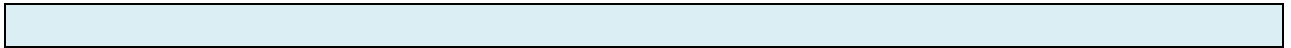
2009-2010

2012-2013

Faculty Student Summer Research Program

Schedule of Final Research Presentations

Thursday, July 31, 2014



ROOM A

EXPLORATION OF ENVELOPES AS FOCAL SETS

THE OPPORTUNITY PROGRAM (OP) ALUMNI PROJECT: EXPLORING THE CAREER EXPERIENCES OF FIRST GENERATION STUDENTS AND STUDENTS OF COLOR AT A PREDOMINATELY AND HISTORICALLY WHITE LIBERAL ARTS COLLEGE

PHOTOCHEMISTRY OF NITRATE CHEMIS

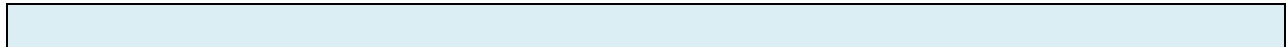
DOES GENTLY CLEARING THE NASAL CAVITY IMPACT ODOR IDENTIFICATION?

TOWARDS FACIAL RECOGNITION FOR SPEAKERS AT SKIDMORE FACULTY MEETINGS

A TOY MODEL FOR THE NONLINEAR OPTICAL RESPONSE OF MOLECULES WITH MODULATED CONJUGATION

EXPANDING THE GENETIC CODE WITH PYROGLUTAMATE

DUAL ROUTES FOR *B. HALODURANS* ASPARAGINYL-tRNA FORMATION



ROOM A

SUCCINIC ACID TREATMENT DOES NOT IMPROVE INSULIN RESISTANCE OR ALTER ENERGY HOMEOSTASIS IN OBESE MICE

IDENTIFYING THE CELLULAR MECHANISM FOR THE MnTBAP-INDUCED REDUCTION IN BODY WEIGHT

MITOCHONDRIA'S ROLE IN SCA1 DISEASE PROGRESSION

**VACCINE COVERAGE AND INCOME INEQUALITY IN MIDDLE INCOME
DEVELOPING COUNTRIES**

DUAL ROUTES FOR *B. SUBTILIS* ASPARAGINYL-tRNA FORMATION

ROOM B

**ENGINEERING A COST-EFFECTIVE MICROMANIPULATOR FOR
*XENOPUS***

IMAGINATION INFLATION AND LEI ONLINE ADMINISTRATION

STABLIZING ENZYMES FOR A MALARIA DIAGNOSTIC TEST

DEVELOPMENT OF A MICROFLUIDIC ASSAY FOR ANALYSIS OF D-LACTATE IN URINE: A DIAGNOSTIC TEST FOR MALARIA

AMOEBAS AS A MODEL SYSTEM TO STUDY METAL DEPENDENT BACTERIAL KILLING BY MACROPHAGES

COPPER-SILVER CROSS RESISTANCE – TESTING THE POTENTIAL OF HOMOLOG PROTEINS OF COPA FROM *ESCHERICHIA COLI*

PROJECT ABSTRACTS

Project:

THE GREAT WAR IMAGE ARCHIVE, FRANCE, 1914-1918

Project:

POST-CONFLICT RECONSTRUCTION: WOMEN AND DEVELOPMENT IN AFGHANISTAN

Project:

THE ECONOMY OF DESIRE

The Economy of Desire: Botany and Empire in Seventeenth-Century Europe
The Economy of Desire

Project:

IMAGINATION INFLATION AND LEI ONLINE ADMINISTRATION

Project:

**THE GENERATIONAL CONSTITUTION: JEFFERSON, MADISON AND THE CALL
FOR PERIODIC CONSTITUTIONAL RENEWAL**

The Generational Constitution

Project:

SELECTIVELY DISTRUPTION OF THE CELL WALL OF CHAROPHYTE ALGA
Penium margaritaceum

Project:

CALIBRATING A NEW METHOD FOR MEASURING OCEAN CARBON FLUXES IN THE PRESENCE OF HIGH-SILICATE PHYTOPLANKTON BLOOMS

Project:

THE EFFECTS OF MUSIC ON AUTOBIOGRAPHICAL MEMORY IN ALZHEIMER'S DISEASE (AD) PATIENTS AND HEALTHY OLDER ADULTS

Project:

LAB ON A CD PLAYER

Project:

STABLIZING ENZYMES FOR A MALARIA DIAGNOSTIC TEST

Project:

Project:

DEVELOPMENT OF A MICROFLUIDIC ASSAY FOR ANALYSIS OF D-LACTATE IN URINE: A DIAGNOSTIC TEST FOR MALARIA

Project:

SYNTHETIC STUDIES ON NEW TANDEM INTRAMOLECULAR DIELS-ALDER REACTIONS

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Project:

DOES GENTLY CLEARING THE NASAL CAVITY IMPACT ODOR IDENTIFICATION?

Project:

ENGINEERING A COST-EFFECTIVE MICROMANIPULATOR FOR *XENOPUS* OOCYTE INJECTION

Xenopus

Project:

EXPLORING THE EVOLUTION OF ETHANOL: DEVELOPMENT OF TEACHING TOOLS AND NEW EXPERIMENTS ON ETHYL ALCOHOL

Caenorhabditis elegans

Project:

QUANTITATIVE MODELING OF ETHANOL BINDING IN LIGAND-GATED ION CHANNELS

Project:

Project:

**ROLE OF AN EXTRACELLULAR AMINO ACID RESIDUE IN ALCOHOL
MODULATION OF LIGAND-GATED ION CHANNELS**

Project:

Project:

Project:

**CHRONOLOGICAL AND SPATIAL DIMENSIONS OF ARCHAEOLOGICAL WORK
AT THE WATER'S EDGE SITE**

Project:

A CHRONOLOGY OF HABITATION AT WATER'S EDGE

Project:

SERIAL PROCESSING OF LETTERS OR FIRST LETTER ADVANTAGE?

Project:

A NEW ECONOMY OF JOKES: HASHTAG SOCIAL MEDIA, HASHTAG COMEDY

Project:

MITOCHONDRIA'S ROLE IN SCA1 DISEASE PROGRESSION

Project:

THE OPPORTUNITY PROGRAM (OP) ALUMNI PROJECT: EXPLORING THE CAREER EXPERIENCES OF FIRST GENERATION STUDENTS AND STUDENTS OF COLOR AT A PREDOMINATELY AND HISTORICALLY WHITE LIBERAL ARTS COLLEGE

Project:

MEANINGS OF FOOD: CONVERSATIONS OF AMERICAN WOMEN ON FOOD BLOGS

Project:

**COPPER-SILVER CROSS RESISTANCE – TESTING THE POTENTIAL OF
HOMOLOG PROTEINS OF COPA FROM *ESCHERICHIA COLI***

Escherichia coli E. coli

Salmonella

E. coli

Project:

**AMOEBA AS A MODEL SYSTEM TO STUDY METAL DEPENDENT BACTERIAL
KILLING BY MACROPHAGES**

E. coli

Project:

**INVESTIGATING THE INFLUENCE OF BEHAVIORIAL ATTRIBUTIONS ON
BACKLASH AGAINST MALE ELEMENTARY SCHOOL EDUCATORS**

backlash

Project:

INNOVATION, INTELLECTUAL PROPERTY AND MAKERS

Project:

Project:

**PHOTOCHEMISTRY OF NITRATE CHEMISORBED ON DIFFERENT COMPONENTS
OF MINERAL AEROSOL**

Project:

**VACCINE COVERAGE AND INCOME INEQUALITY IN MIDDLE INCOME
DEVELOPING COUNTRIES**

Project:

**A TOY MODEL FOR THE NONLINEAR OPTICAL RESPONSE OF MOLECULES
WITH MODULATED CONJUGATION**

Project:

DO C(60) FULLERENE NANOPARTICLES ALTER SLEEP CYCLES IN FRUIT FLIES?

Project:

Project:

Project:

EXPANDING THE GENETIC CODE WITH PYROGLUTAMATE

E. coli

Project:

DISCRIMINATING NATURE OF THE *B. ANTHRACIS* ASPARTYL-tRNA SYNTHETASES

Bacillus anthracis

B. anthracis

Project:

DISCRIMINATING NATURE OF THE AS

