Symposium Day 2013  
Wednesday April 17th  
University of Saint Joseph  
West Hartford, CT  

Session I: 9:40-10:20am

Lynch 107

The Effectiveness of Family Support Services  
Caroline Mortiere, Lyndsay Mallon, Christina Whitaker, Molly Nute  
Faculty sponsor: Dr. Vivian Carlson (Human Development and Family Studies)

Successful Fatherhood Supports in Community-Based Services  
Katelyn Mike, Alassandra Giovannucci, Casey Klett  
Faculty Sponsor: Dr. Vivian J. Carlson (Human Development and Family Studies)

Lynch 125

La Maliche: Architect or Destroyer of Mexican Identity  
Jocelyn Brown  
Faculty sponsor: Dr. Diana P. Valencia (Foreign Languages)

The Novel of the Mexican Revolution (1910-1920): Class, Literacy and Ethnicity  
Suki Hood  
Faculty Sponsor: Dr. Diana P. Valencia (Foreign Languages)

Lynch 207

Viva La Learning: Professional Development for the Pre-professional Student (creative presentation)  
Rebecca DiPinto, Leanna Verch  
Faculty sponsor: Tami Devine Fagan (Center for Academic Excellence)

Bruyette AV Room

Exploring the Identity of Hapi, the Ancient Egyptian God  
Victoria Stuart  
Faculty Sponsor: Prof. Dorothy Keller (Art History)

John Trumbull: Painter of the American Revolution  
Catherine Veenstra  
Faculty Sponsor: Prof. Dorothy Keller (Art History)
Lynch 112

Faith In Nothing: Nihilism for the 21st Century
Dr. Nancy Billias, Department of Philosophy, University of Saint Joseph

McDonough 213

Developing student pharmacist leadership potential: a self/peer assessment model to assess the interpersonal and effective team member characteristics necessary for the future health care workforce
Dr. Maria A. Summa, Department of Pharmacy Practice and Administration, University of Saint Joseph
Dr. Mark A. Sweezy, Department of Pharmaceutical Sciences, University of Saint Joseph
Dr. James G. Henkel, Department of Pharmaceutical Sciences, University of Saint Joseph

McDonough 112

Group Prenatal Care in Health Care
Kimberly Buonaiuto
**Faculty Sponsor:** Prof. Carol Millard (Biology)

The Effect of Exposure to Commensal Bacteria at a Young Age in the Developed vs. Undeveloped Countries
Rachael Busuulwa
**Faculty Sponsor:** Prof. Carol Millard (Biology)

McDonough 103

Converting the Cyano Group of a Benzonitrile
Anna Slupecki
**Faculty Sponsor:** Dr. Steve Goldstein (Chemistry)

New Products for the Aldol Condensation
Jessica Sovyrda
**Faculty sponsor:** Dr. Steve Goldstein (Chemistry)

Bruyette Reception Room

Development of an After-school Science Enrichment Program in Collaboration with Jumoke Academy Honors JASMART Middle School (Hartford, Connecticut) to Enrich Student Learning
Tiffany Almeida
**Faculty Sponsors:** Drs. Melissa Marcucci (Biology) and Kathleen Barrett (Counseling and Family Therapy)
Second Step Program at Jumoke Honors Middle School at the Hartford Conservatory
Ania Poltorak and James Gorss
Faculty Sponsor: Dr. Kathleen Barrett (Counseling and Family Therapy)

Lynch 212

Bio-Behavioral Analysis of HIV Measures
Samantha A. Russo
Faculty Sponsor: Dr. Melissa Marcucci (Biology)

Statistically Analyzing the Undergraduate Biology Program at the University of Saint Joseph
Laura D’Angelo
Faculty Sponsor: Dr. Joseph Manthey (Mathematical Science)

Lynch 225

The Difference Between the Mechanisms of Action of Acetaminophen and NSAIDS
Daniela Cuppari
Faculty Sponsor: Prof. Carol Millard (Biology)

How Does the Mechanism of Action of Intravenous Tylenol Compare to Tylenol Taken Orally in Post-operative Patients?
Naureen Fatima
Faculty Sponsor: Prof. Carol Millard (Biology)

Session II: 10:30-11:10am

Lynch 107

Food Security
Jessica Warner, Julia Paigo, Katherine Stansfield
Faculty Sponsor: Drs. Vivian Carlson and Amy Sceery (Human Development and Family Studies)

Controlling Pest Populations with Sterilizing Pathogens and Vertical Transmission
Julie Pattyson
Faculty sponsor: Dr. Ekaterina Lioutikova (Mathematical Science)
Lynch 125

Ann Lee: Feminist “Mother” of the Shakers
Emma Dulz
Faculty sponsor: Dr. Jennifer Cote (History and Society)

DOUBT, A PARABLE (Act 2, Scene 8)
Jessie Hawthorn, Kerstin Zelger
Faculty sponsor: Dr. Mark Zelinsky (English)

Lynch 207

Artists Beyond the Censorship in Spain During the Franco Regime (1936-1975)
Angela Shabazian
Faculty Sponsor: Dr. Diana P. Valencia (Foreign Languages)

Rhenish Gunners and Prussian Eagles: Heinrich Heine’s Poetic Provocation,
Eileen Leary
Faculty sponsor: Dr. Kevin Callahan (History and Society)

Bruyette AV Room

Almond Blossom: A Glimpse into Vincent van Gogh’s Life
Susie Dickerson
Faculty Sponsor: Prof. Dorothy Keller (Fine and Performing Arts)

Immensely Depth and Power: Rembrandt van Rijn: An Analysis of Selected Religious
Themed Paintings
Rachel Sczurek
Faculty Sponsor: Prof. Dorothy Keller (Fine and Performing Arts)

Lynch 112

Envisioning Possibility: The Literate Lives of Children with Down Syndrome
Dr. Kathleen Whitbread, Department of Education, University of Saint Joseph
Mallury P. Pollard, Photojournalist

Lynch 212

Gender-based difference in the utilization of implantable cardioverter-defibrillators in
patients with chronic heart failure
Dr. Dalia Giedrimiene, Department of Biology, University of Saint Joseph
McDonough 112

The Role of RAD22 in Presynaptic Filament Assembly in Fission Yeast
Lauren Carboni
Faculty Sponsor: Dr. Mark Sweezy (Pharmaceutical Sciences)

Cloning, Expression and Characterization of the RAD51 Recombinase of *Schizosaccharomyces pombe*
Olivia Riccio
Faculty Sponsor: Dr. Mark Sweezy (Pharmaceutical Sciences)

McDonough 103

Folic Acid – Cancer and Disease Risk Associated with Oral Supplementation: A Systematic Review
Lisa M. Luciano
Faculty Advisor: Dr. Christopher Zito (Biology)

Do the Benefits of Chemotherapy and Hormone Therapy in Ductal Carcinoma Patients Outweigh the Possible Treatment Burdens?
Racquel Bowen
Faculty Advisor: Dr. Christopher Zito (Biology)

McDonough 213

Molecular Mechanisms in Breast Cancer Metastasis
Dr. Irene Guttilla, Department of Biology, University of Saint Joseph

McDonough 200

Examining Mitochondrial Copy Number Under Various Conditions Related to Mitophagy
Laura D’Angelo
Faculty Sponsor: Dr. Melissa Marcucci (Biology)

Resistin Expression Study used To Develop a Simplified Mouse Model of Adipokine Expression
Elizabeth Quijada
Faculty Sponsors: Drs. Diane Dean (Chemistry) and Melissa Marcucci (Biology)
Lynch 225

An Exploration of Measures Taken to Assure the Accuracy of Pharmacy Team Members and Overall Patient Safety in a Pharmacy Setting
Kristin Whitman
Faculty Sponsor: Dr. Melissa Marcucci (Biology)

The Effects of Grapefruit Juice on the Antibiotic Ciproflaxin
Rebecca Wolfe
Faculty Sponsor: Prof. Carol Millard (Biology)

Bruyette Reception Room

Our Experiences Providing Second Step Boosters at TED Jumoke Academy
Hilary Kasprzak and Jordan Sileo
Faculty Sponsor: Dr. Kathleen Barrett (Counseling and Family Therapy)

Analysis of Retail Optical Market—Harvey & Lewis
Rachel Liberty, Samantha Wasef, Stephanie, Griebel, Jaxon Leo, Vanessa Kowalczyk, Agata Gozdziwska, Justine Hayes
Faculty sponsor: Prof. Eric Chen (Business Administration)

Session III: 11:20-12pm

Lynch 107

Vacation Bible School Experience: A Creative Presentation
Chelsea Chiappa
Faculty sponsor: Sister Ann Caron (Religious Studies and Theology)

Bringing Values to the Table: USJ’s Core Values Interpreted Through Judy Chicago’s The Dinner Party
Michelle Rowland
Faculty Sponsor: Dr. Nancy Billias (Philosophy)

Lynch 125

Alienation in Youth and Theater: The Epic Theater of Bertolt Brecht
Victoria Stuart
Faculty Sponsor: Dr. Kevin Callahan (History and Society)
Leni Riefenstahl: Triumph of the Iron Will
Colleen Tencza
Faculty Sponsor: Dr. Kevin Callahan (History and Society)

Lynch 207

Acute Pancreatitis
Walaa Abdelrahman
Faculty Sponsor: Prof. Meg Gaughan (Nutrition)

Bruyette AV Room

Bodies of Controversy: Ethical Concerns in Archaeology
Eileen Leary
Faculty sponsor: Dr. Agnes Curry (Philosophy)

The Unanswerable Questions: The Dilemmas Surrounding the Stewardship of Antiquities
Ruth Steely
Faculty Sponsor: Prof. Dorothy Keller (Fine and Performing Arts)

Lynch 112

“The West Point of the Philanthropic Service”: Reconsidering Social Work's Welcome to Women in the Early Twentieth Century
Dr. Jennifer Cote, Department of History and Society, University of Saint Joseph

Lynch 212

A Comparison Between the Fatty Acid Profile and Anti-inflammatory Properties of Coconut Oil vs. Argan Oil in Regards to Treating Acne and Skin Clarity
Nicole A. Vetica
Faculty Sponsor: Prof. Carol Millard (Biology)

The Effect of Natural Remedies on H. pylori and the Formation of Peptic Ulcers
Carla Montrond Correia
Faculty Sponsor: Prof. Carol Millard (Biology)

Lynch 225

C-reactive protein Testing and Autoimmune Diseases
Jennifer Vecchio
Faculty Sponsor: Prof. Carol Millard (Biology)

The Human Gut Microbiome and its Effect on the Gut-Brain Axis
Elizabeth Mikol  
**Faculty Sponsor:** Prof. Carol Millard (Biology)

**McDonough 112**

The RAD54 Protein of *Schizosaccharomyces pombe*  
Joy Grekula  
**Faculty Sponsor:** Dr. Mark Sweezy (Pharmaceutical Sciences)

Quantitative Methods for Determining Ka Values for Weak Acids  
Katherine J. Vandrilla  
**Faculty Sponsor:** Dr. Lee Jones (Chemistry)

**McDonough 103**

Expression of the Angiogenic Factor Interleukin-8 (IL-8) in Breast Cancer Cells  
Kara Haller  
**Faculty Sponsor:** Prof. Lauri Miller (Biology)

The Potential of Myocardioxicity with the Survival of HER2 Breast Cancer  
Kayla Socarras  
**Faculty Sponsor:** Prof. Carol Millard (Biology)

**McDonough 213**

MicroRNAs and Epithelial to Mesenchymal Transition in Breast Cancer  
Elizabeth Slocum  
**Faculty Sponsor:** Dr. Irene Guttilla (Biology)

Investigating Potential Binding Sites of MicroRNA 433 in the 3’ Untranslated Region of Hif1alpha and Ubr1  
Laura D’Angelo  
**Faculty Sponsor:** Prof. Lauri Miller (Biology)

**McDonough 200**

Comparison of Preventative and Therapeutic Vaccines for Human Papillomavirus-induced Cervical Cancer  
Connie-Sue Larcher  
**Faculty Sponsors:** Dr. Melissa Marcucci and Prof. Carol Millard (Biology)

Understanding the Role of Oxytocin Therapy for the Treatment of Autism  
Amanda Rickevicius  
**Faculty Sponsors:** Dr. Melissa Marcucci and Prof. Carol Millard (Biology)
Session IV: 12-12:50pm

All student and faculty research posters will be displayed in the Crystal Room located in Mercy Hall.

The Use of Concept Mapping to Enhance Learning in a Didactic Pharmaceutics Course
Dr. Rajesh Vadlapatla, Department of Pharmaceutical Sciences, University of Saint Joseph
Dr. Sukhvir Kaur, Department of Pharmacy Practice and Administration, University of Saint Joseph
Dr. Yingnan Zhao, Department of Pharmacy Practice and Administration, University of Saint Joseph

Synthesis and anti-inflammatory activity of some enhydrazones.
Dr. Ivan O. Edafiogho, Department of Pharmaceutical Sciences, University of Saint Joseph
Dr. Hanan Zamil, Department of Pharmacology and Toxicology, Kuwait University
Dr. Charles I. Ezeamuzie, Department of Pharmacology and Toxicology, Kuwait University

Teaching Biology to the Visually Impaired
Christina C. Alevras, Department of Biology, University of Saint Joseph

How are BMI, Age, Gender, and Albumin Level Related to Pressure Ulcer Incidence
Konstantia Papapateras
Faculty Sponsor: Prof. Libby Tenison (Nutrition)

Using the Identity Style and Status Theories to Inform the Professional Identity Development of Counselors-in-Training
Ashley Routhier
Faculty Sponsor: Dr. Jesse Lile (Counseling Education)

Growth and Healing Following Trauma: Examining Posttraumatic Growth and Cancer Survivors
Lindsay Kirol
Faculty Sponsor: Dr. Sally Swanson (Counseling Education)

Evaluation of IEP Objectives for Math: Protocol and Access
Randy Ewart
Faculty Sponsor: Dr. Kathleen Whitbread (Education)

What Do University of Saint Joseph Students Know about the Little Red House?
Christina Weaver, Alicia Tupko, Danielle Peake, Lauren Mattis
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Increasing the Health Literacy of Vulnerable Populations in Hartford, Connecticut
Carol Straub, Jordin Purcell-Riess, Sara Vaccari
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Alcohol, Drugs, & Bullying: Growing up in a Fast-Paced Society
Andrea Griffin, Clare McGrath, Dianna Soucier, Emily Hummel, Kelley Downey
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Health Concerns in the Public Schools
Heather Paine, Victoria Alcover, Casey Murray, Michelle Sinclair
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Reducing Stress in First Semester Baccalaureate Nursing Students
Lucy Boccaccio, Julie Brodeur, Holly Dzen, Michelle Merrill, Stephanie Mulka
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Stress in Nursing Students
Jenelle Bourgault, Krysten LaFountain-Pavlak, Chana Hoagland, Monique Mickens
Faculty Sponsor: Dr. Nora Zinan (Nursing)

True Life: Woman Living with Chronic Illnesses
Jordan Kaine, Deborah Russo, Sarah Violette
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Discovering the Concerns of the Small Business Owner
Julie Wardell, Brandy Markley
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Interventions for Stress in a Nurse’s Work Environment
Jennie Corey, Sheila Diamond, Justyna Bieszczad, Marlena Parzych, Shannon Havens
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Uncovering the Stressors in USJ Senior Nursing Students
Katherine Farrell, Danielle Lessard
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Harmful Drinking Patterns in Young Adult Males Lacking a Post-Secondary Education
Laura Simpson, Kristen Dagenais
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Road to Recovery from Mental Illness
Louisa Lam, Victoria Lezon, Katherine Lopez
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Aromatherapy to Reduce Anxiety During Testing
Molly Reid, Sarah Sena, Michelle Uhlman
Faculty Sponsor: Dr. Nora Zinan (Nursing)
Experiences of Senior Nursing Students in an Undergraduate Nursing Program
Andrea Aresco, Roseanne Meyer, Katherine Pachocki
Faculty Sponsor: Dr. Nora Zinan (Nursing)

Promoting a Healthier Life-Style: Identifying Possible Health Implications of Not Seeking Out a College Degree
Susana Pereira, Ana Bolton De La Cruz, Janele Murac, Josephine Thompson
Faculty Sponsor: Dr. Nora Zinan (Nursing)

The following students are all enrolled in Bio 250: “Introduction to Biological Research” and are presenting posters which outline their research proposals.

Stephanie Adamidis
Melissa Aubin
Jasmeet Bhullar
Racquel Bowen
Samantha Bruce
Courtney Cesca
Gabrielle Cohen
Naureen Fatima
Victoria Gancarczyk
Moriah Gildart
Sodana Gracien
Kara Haller
Patricia Jackson
Zorie Jones
Allisa LaFord
Erika Leitao
Chelsea McLoughlin
Alicia Moses
Phuong Nguyen
Samira Quraishi
Anika Rehman
Angie Rivera
Elizabeth Slocum
Faculty sponsor: Prof. Lauri Miller (Biology)

The following students will display their original artwork in Bruyette Athenaeum and Lynch Hall.

Cassandra D’Amato
Michele Chenard
Adrianna Chorzepa
Marie-Helene Hansen
Nicole Hooks
Krystal Hull
Linda Jones
Eileen Leary
Amanda Rickevicius
Julie Ann Robinson
Tiana Rookwood
Rachel Sczurek
Bria Stavnezer
Phylicia Stevenson
Chiemerie Uche
Justyna Urbanski
Mayra Valverde
Catherine Veenstra

**The Faculty Sponsor:** Prof. Patricia Weise