



SJC

ST. JOSEPH'S COLLEGE

STUDENT RESEARCH
SYMPOSIUM

Saturday, May 4, 2019

Schedule of Events

9:30 a.m.	Registration	McGann Conference Center
10 a.m.	Opening Remarks	McGann Conference Center
10:15 a.m.	Invited Speaker	McGann Conference Center
	“The Accidental Expert or, Being a Creative Researcher”	
	Susan Van Scoy, Ph.D.	
	<i>Assistant Professor of Art History</i>	
	<i>Art Department</i>	
11:15 a.m. – 12 p.m.	Session I	
	Poster Presentations	McGann Conference Center
	Paper Presentations	Rooms N316 and N319
12 p.m.	Break	
12:30 – 1:30 p.m.	Session II	
	Poster Presentations	McGann Conference Center
	Paper Presentations	Rooms N316 and N319
1:45 p.m.	Closing Remarks	McGann Conference Center

Session I 11:15 a.m. – Noon



Poster Presentations

McGann Conference Center

Board 11

Julia Montgomery

Gold Nanoparticle-based Colormetric Sensor of Estrogen Using a Split Aptamer Assembly

Faculty Adviser: Andrea Stadler, Ph.D.
Department of Physical Sciences

Board 12

Austin Turner

Effects of Gender and Nurse Leadership Styles on Perceived Satisfaction

Faculty Adviser: Dominique Treboux, Ph.D.
Department of Psychology

Board 13

Paula de Geus

Kitchen Microwave Organic Synthesis

Faculty Adviser: Andrea Stadler, Ph.D.
Department of Physical Sciences

Board 14

Emily Meier

Benthic Invertebrate Population Density and Diversity in Relation to Sediment Characteristics in Patchogue Lake, New York

Faculty Adviser: Konstantine Rountos, Ph.D.
Department of Biology

Board 21

Stephanie Mannhaupt, James Akpan, Leslie Gonzaga,
Simran Kaur, Rachel Sullivan and Dominique Treboux, Ph.D.

Among the Religious: Do Images of God Matter for Compassion?

Faculty Adviser: Dominique Treboux, Ph.D.
Department of Psychology

Board 22

Simran Kaur, Stephanie Mannhaupt and Leslie Gonzaga

Priming for Religious Constructs: In-person vs. Online

Faculty Adviser: Dominique Treboux, Ph.D.
Department of Psychology

Poster Presentations continued on next page

Board 23

Nicole Riccio

Early Experiences & Emotion Recognition III

Faculty Adviser: Dominique Treboux, Ph.D.
Department of Psychology

Board 24

Brandon Manansingh and Patrick de la Bastide

Epigenetic Modification of Breast and Glioblastoma Cells

Faculty Adviser: Francis Antonawich, Ph.D.
Department of Biology

Board 31

Nicole Scotto

Astrological Belief and Introversion/Extroversion

Faculty Adviser: Diane Sherlip, Ph.D.
Department of Psychology

Board 32

Rachel Lynch

Identification of Metal Cations in Solution Using Acid-base Titration

Faculty Adviser: Alexander Altman, Ph.D.
Department of Physical Sciences

Board 33

Ashley Hawkins

Attachment Styles and Feminist Identity Development

Faculty Adviser: Diane Sherlip, Ph.D.
Department of Psychology

Board 34

Victoria Panicola

Species Diversity and Relative Abundance of Zooplankton Present in Lower Patchogue Lake

Faculty Adviser: Konstantine Rountos, Ph.D.
Department of Biology

Board 41

Danielle Guercio

The Effect of Bufalin on Cell Cycle Arrest at the G1 Checkpoint in Bladder Urothelial Carcinoma

Faculty Adviser: Valerie Giordano, Ph.D.
Department of Biology

Board 42

Danielle Guercio and Alicia Fels

Health Behaviors of Undergraduate College Students

Faculty Adviser: Lynn McGoey, Ph.D.
Department of Psychology

Board 43

Alicia Fels

Relationship Between Mindfulness and Sleep Quality on College Students' Concentration on an Attention Task

Faculty Adviser: Lynn McGoey, Ph.D.
Department of Psychology

Session I

11:15 a.m. – Noon



Paper Presentations

Room N316 • Moderator: Konstantine Rountos, Ph.D.

Emily Fontinha

Ketone Bodies As an Alternative Energy Source to Glucose Hypometabolism in Alzheimer's Disease

Faculty Adviser: Francis Antonawich, Ph.D.
Department of Biology

Gehrig Montoro

Treatments to Mitochondrial Dysfunction and Reduced Glucose Metabolism in ALS

Faculty Adviser: Francis Antonawich, Ph.D.
Department of Biology

Catherine Peralta

EGCG Chemopreventative & Therapeutic Effects on Cancer Through the Cellular Pathways

Faculty Adviser: Valerie Giordano, Ph.D.
Department of Biology

Nathaly Vasquez

Survivin As the Target in the Induction of Apoptosis of Pancreatic Adenocarcinoma Cells

Faculty Adviser: Valerie Giordano, Ph.D.
Department of Biology



Paper Presentations

Room N319 • Kirk Lawrence, Ph.D.

Leslie Gonzaga

Is It Rape? Reading vs. Hearing a First Account of Rape

Faculty Adviser: Dominique Treboux, Ph.D.

Department of Psychology

Simran Kaur and Olivia Phillips

Inclusion and Exclusion: The Role of Religiosity

Faculty Adviser: Dominique Treboux, Ph.D.

Department of Psychology

Stephanie Mannhaupt and Dominique Treboux, Ph.D.

Empathy Towards Strangers and Loved Ones; Effects of Attachment

Faculty Adviser: Dominique Treboux, Ph.D.

Department of Psychology

Krysalee Rafferty

Cutting the Boundaries: Women and African American Issues in Photomontage

Faculty Advisor: Susan Van Scoy, Ph.D.

Department of Art

Session II

12:30 – 1:30 p.m.



Paper Presentations

Room N316 • Vasil Skenderi, Ph.D.

Olivia Dono

Has Blizzard Been Successful in Combating Toxicity and Making Players More Satisfied in Their Role?

Faculty Adviser: Kirk Lawrence, Ph.D.

Department of Sociology

Jude Andre

Computing the Cech Cohomology

Faculty Adviser: Cheyne Miller, Ph.D.

Department of Mathematics and Computer Science

Paper Presentations continued

Hunter Cole

Free Resolutions Defined By Free Modules

Faculty Adviser: Cheyne Miller, Ph.D.

Department of Mathematics and Computer Science

Joshua Papello, Matthew Dula and Jorge Diaz

Fourier Series and Their Applications

Faculty Adviser: Vasil Skenderi, Ph.D.

Department of Mathematics and Computer Science

Daniel Rossano

Using Cubes To Algorithmically Determine The Cech Cohomology of a Data Set

Faculty Adviser: Cheyne Miller, Ph.D.

Department of Mathematics and Computer Science



Paper Presentations

Room N319 • Judith Phagan, D.A.

Amber Barney

A Different Kind of the Same Thing: The Female Experience As Explored in ‘Trifles’ and ‘The Awakening’

Faculty Adviser: Judith Phagan, D.A.

Department of English

Emily Shaw

S. Suzanne’s and Daniel Wildcat’s Environmental Teachings

Faculty Adviser: Judith Phagan, D.A.

Department of English

Kathleen Spica

Beauty, The World Seemed To Say

Faculty Adviser: Judith Phagan, D.A.

Department of English

Nathaly Vasquez

Indigenous Knowledge and Environmental Influence

Faculty Adviser: Judith Phagan, D.A.

Department of English

Catherine Vish

The Economics of Tradition

Faculty Adviser: Judith Phagan, D.A.

Department of English

Paper Presentations continued on next page



Ready. Set. Joe's™

SJC LONG ISLAND

155 W. Roe Blvd.
Patchogue, NY 11772

Student Research Symposium

Advisory and Review Committee, SJC Long Island

William Bengston, Ph.D.	Human Relations
Kirk Lawrence, Ph.D.	Sociology
Dawn Lee, M.F.A.	Art
Cheyne Miller, Ph.D.	Mathematics and Computer Science
Judith Phagan, D.A.	English
Konstantine Rountos, Ph.D.	Biology
Vasil Skenderi, Ph.D.	Mathematics and Computer Science
Lisa Tafuro, Ph.D.	Communication Studies

General Support

Susan Belonzi	Administrative Assistant
Simran Kaur	Work Study Assistant
Linda Vignato and the Physical Plant Office	

Director of Undergraduate Research, SJC Long Island

Teresa Tannazzo, Ph.D.

A special thanks to Bryan Gill, the Office of Student Involvement and Leadership, and the Student Government Association for very generously donating refreshments at the Student Research Symposium.