SETON HALL UNIVERSITY
presents

The 2003 Petersheim Academic Exposition

"Bringing Knowledge to Life"

Saturday, 5 April - Tuesday, 8 April
Headquarters: Greek Room, University Center

All are welcome to participate!
Come celebrate and support the many academic achievements of
Seton Hall students and faculty.

For a full schedule of the events and locations, see attachments below or visit the
Petersheim Academic Exposition Web site at:
http://artsci.shu.edu/acadexpo

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2003 Petersheim Academic Exposition
April 5-8
Schedule At A Glance

On-Going Events
Celebrating the Fine Arts (April 7-May 16)
Featuring the works of: Tony Capparelli - William Haney - Edwin Havas
William Hudders - Susan Leshnoff - Arline Lowe - Frances Phillips
Lauren Schiller - Tony Triano (late professor and artist)
Seton Hall’s “Campus Portrait” (April 1-30)
GME Research 13th Annual Research Colloquium (May 16)

Saturday, April 5
12:00 p.m. “Fifty Years of DNA”

Sunday, April 6
10:00 a.m. Mass
10:45 a.m. Welcome and Brunch
11:00 - 12:30 p.m. Images Festival of the Visual Arts
12:00 p.m. On-going Viewing of Poster Projects
12:30 p.m. Biology Senior Seminar Proposals
1:00 p.m. Lambda Pi Eta Induction Ceremony
2:00 p.m. PowerPoint Presentations
8:00 p.m. Orientalia -- New York Metro Eastern
Varieties Project
2:00 p.m. Production of “The Boys Next Door”
2:00 p.m. The Exated Life: Honor Thesis Presentation (I)
3:00 - 5:30 p.m. Life Science Symposium:
(Biology Society & Psychology Honors Program)
3:00 p.m. Theta Alpha Kappa, Religious Studies and
Theology Honor Society Induction
4:00 - 6:00 p.m. Evening of Roses - Sr. Rose Thering Endowment

Monday, April 7
9:00 a.m.- 5:00 p.m. On-going Viewing of Poster Projects
1:00 p.m. Perspectives on Disabilities
2:00 p.m. The Examined Life: Honor Thesis Presentation (II)
2:30 p.m. Controversial Issues in the Sciences
3:30 p.m. The Examined Life: Honor Thesis Presentation (III)
3:30 p.m. The Portrait of a Teacher

Tuesday, April 8
8:45 - 10:00 a.m. Experiential Education Student Awards Breakfast
10:00 a.m. TLTR Best Practices Showcase
10:00 a.m. - 11:50 a.m. Symposium on the First Year Experience
11:30 a.m. - 12:45 p.m. The Broad Scope of Social Education
12:00 - 1:50 p.m. Symposium on Social Justice
1:00 - 2:15 p.m. Catholic Literature and Its Transformation into Film
Ph.D. Student Seminar
5:30 p.m. Rational Design of Molecular Imprinted Polymers
Chemistry and Biochemistry Poster Presentations
7:00 - 9:00 p.m. Leadership Awards Ceremony

For a full listing of activities and schedule updates, access the Academic Exposition Web site at:
http://artscl.shu.edu/acadexp
2003 Petersheim Academic Exposition
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Welcome and Brunch
Images Festival of the Visual Arts
On-going Viewing of Poster Projects

1. Spectroscopic Characterization of Polymer Films
   Christina Crimi (Sponsor: Dr. Dan Bubb - Physics)
2. The Biological and Medical use of Interferons
   Patricia Garofalo (Sponsor: Dr. Gerald Ruscigno - Biology)
3. Breast Carcinoma In Situ: Risk Factors and Screening Patterns
   Chante Callis (Sponsor: Dr. Linda Hsu - Biology)
4. Intelligence: Nature vs. Nurture?
   Robert Heinze (Sponsor: Dr. Linda Hsu - Biology)
5. Saving Cord Blood
   Joey Chui (Sponsor: Dr. Linda Hsu - Biology)
6. Understanding Colon Cancer
   Stefano Grasso (Sponsor: Dr. Linda Hsu - Biology)
7. Carotid Endothelial Responses to Proinflammatory Mediators
   Susana Tente (Sponsor: Dr. Allan Blake - Biology)
8. Expression of Mu Opioid Receptor in HL-60 Human Promyelocytic Leukemia Cells
   J.A. Beltran, X. Mao (Sponsor: Dr. Sulie Chang – Biology)
9. The MT-Scheme Compiler
   Kristine Joy Apon (Sponsor: Dr. Marco Morazan - Mathematics & Computer Science)
    Barbara Mucha, Victor Encarnacion (Sponsor: Dr. Marco Morazan)
11. A Scheme Interpreter for the MT Machine
    Peter Laurina, Victor Encarnacion, Barbara Mucha (Sponsor: Dr. Marco Morazan)
12. Extremal Graph Theory
    MATH 3911 Junior Seminar (Sponsor: John T. Saccoman - Mathematics & Computer Science)
13. The Isoperimetric Inequality
    James Jessup (Sponsor: Dr. Catherine Beneteau - Mathematics & Computer Science)
14. Xray Absorption Spectroscopy of Transition Metal Compounds
    Heather Reinhardt (Sponsor: Dr. Parviz Ansari - Physics)
15. Thermal Desorption from Metal Nanoparticles
    Ronald Belmont, Christopher Bosco, Susan Hollywood (Sponsor: Dr. Frank G. Curti – Physics)
16. True vs Made-Up Autobiographical Events: Can We Distinguish Between Them?
    Ron Gigliannello (Sponsor: Dr. Giuliana Mazzioli - Psychology)
    Elena Pasquaril (Sponsor: Dr. Michael Vigorito - Psychology)
18. Italian Genealogical Research
    Anthony Genovese (Sponsor: Dr. David Beneteau - Diplomacy and Modern Languages)
19. Oriental Christianity
    Marcel Cerny, Thomas Tharayil (Dr. Ines Angjeli Murzaku - Religious Studies)
20. Icons of St. Antony’s Antiochian Orthodox Church
    Fr. Thomas Tharayil (Dr. Ines Angjeli Murzaku - Religious Studies)
21. The Russian Immigrant, Marcel Cerny (Dr. Ines Angjeli Murzaku - Religious Studies)
22. Educating the Public on Urinary Tract Infections
    Josephine Dasah, Melina Alcivar (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
23. Healthy Relationships Among Teenagers
Melissa Statile, Julie Neri, Cassandra Ballon (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich)
24. Disaster Planning for Irvington Township
   Maria Stratigis, Greg Melitski, Costin Vintilescu (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich)
25. Effects of Alcohol and Smoking on Pregnant Women
   Michelle Carpolo, Laudonia Larwa, Beth Sawicki (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich)
26. Diabetes, Joanna Babiarz (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
27. Preventing Infections in Patients with CVC and PCC
   Lauren Stout (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
28. Infant Abduction, Julianne Walker (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
29. Prevention of Pressure Ulcers, Lauren McCarthy (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich)
30. Asthma Is Taking Over Our Schools
   Kelly Jesse, Joanna Romanelli, Kristin Cifone, Patricia Pekarsky, Sara Wagner
31. Physical Restraints, Aisha Hamilton (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
32. Suture, Sharps and Miscellaneous Counts in the OR
   Marie Kathleen Costa (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
33. Diabetes in Irvington
   Vivian Ankrath, Tarsha White, Wehti Wotorson (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
34. Evaluating Cervidil Protocol for Induction of Labor
   Jaimee Dearing (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
35. A Comparison of Anesthesiologist and CRNA Outcomes
   Christopher Wood (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
36. Centralline Dosage Change Protocols and Research
   Lauren Stout (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
37. Novice Nursing Students Perception of Death
   Barbara Beacham (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
38. Defibrillation, Wheti Wotorson (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
39. Pre-Operative Care Protocol, Vivian Ankrath (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
40. Intra-venous Fluid Protocol, Tarsha White (Sponsors: Dr. Flynn, Dr. Scharf, Dr. Stich - Nursing)
41. Financial System in the US, Monica Makowski (Sponsor: Kristin Kucma)

12:00 p.m.  Biology  Senior Seminar Proposals  Greek Room, University Center
Sponsor: Dr. Suee Chung - Biology

1. Viagra and Your Health, Michael Alfonzo, Diana Savino
2. OHSS and Hormonal Control in IVF Patients, Andrea Berry, Kari Belin
3. Removal of Tumor Suppressor Protein p53 from the Nucleus of cell export signals
   Karen Canetti, Gregory Peter Cvasa
4. Accutane is a Possible Cause of Depression, Roiand Goticango, Angelo Tango
5. Caffeine as an Athletic Enhancer, Colin Grant, Nathan Umbricac
6. Xenograft: The Solution to Long Term Organ Transplant Rejection, Stefano Grasso, Reena Patel
7. The Fight on Lyme Disease, Gennady Kolodenker, Jessica Williams
8. Serotonergic Systems, Timothy Kowal, Rob Kashouty
9. Ivac n1 Virse vs. Supatrick Pharmaceutical’s Cationic Polymer in Gene Therapy Treatment of Prostate Cancer
   Kevin Lambrese, Nicholas Mignemi
10. Creatine Supplementation and its Affect on Muscle Metabolism and Performance on Trained and
    Untrained Males, Suhash Patel, Robert Heinze
11. Electroconvulsive Therapy Improving Depression while Increasing NT
    Leve Theresa Wilk, Nancy Zegarra
12. The use of Hyperbaric Oxygen Therapy for Children with Cerebral Palsy
    Daniel Wong, Ronarck Ciceron

12:30 p.m.  Lambda Pi Eta Induction Ceremony
PowerPoint Presentations  Theatre-in-the-Round, University Center
Pirate’s Cove, University Center

1. Equal? and Eq? in the MT Virtual Machine
   Barbara Mucha, Victor Encarnacion (Sponsor: Dr. Marco Morazan- Math and Computer Science)
2. A Scheme Interpreter for the MT Machine, Peter M. Laurina (Sponsor: Dr. Marco T. Morazan)
3. The MT-Scheme Compiler, Kristine Joy Apon (Sponsor: Dr. Marco T. Morazan)
4. Data Warehousing and Data Mining
   Marta Kapelevich (Sponsor: Dr. Thomas Marlowe - Mathematics and Computer Science)
5. Chaos Theory and the Henon Map
   Derek Pope (Sponsor: Dr. Bert Wachsmuth - Mathematics and Computer Science)
6. Complex Analysis with MapleNet using JGMP
   Robert Moore (Sponsor: Dr. Bert Wachsmuth - Mathematics and Computer Science)

7. Novice Nursing Students Perception of Death
   Barbara Beacham (Sponsor: Dr. Thelma Stich – Nursing)

8. Italian Genealogical Research
   Anthony Genovese (Sponsor: Dr. David Beneteau – Diplomacy and Modern Languages)

   Megan LaBar, Monica Makowski, Joana Pereira, Joe Candela, Anrea Cantora, Paul Solimine, Ben
   Crossley (Sponsor: Dr. Kramer – Sociology)

2:00 p.m.

Orientalia – New York Metro Eastern
Varieties Project
Production of “The Boys Next Door”
The Examined Life: Honor Thesis Presentation (I)
(Science Society & Psychology Honors Program)

Faculty Lounge, University Center
Theatre-in-the-Round, University Center
Room 307, Fahy Hall
Chancellor’s Suite, University Center

3:00 p.m.

1. Somatostatin Regulates Human Endothelial Function,
   Amy Badway (Sponsor: Dr. Allan Blake – Biology)
2. Computer-Mediated Communication and Group Cohesion
   Kirsten Barbosa (Sponsor: Dr. Andrew Simon -Psychology)
3. Somatostatin Regulates Carotid Endothelial Cells
   Frances Mae West (Sponsor: Dr. Allan Blake -Biology)
4. Effects of Religiousity on Perceptions of Depressed Undergraduates
   Jazelle Biggs (Sponsor: Dr. Susan Nolan – Psychology)
5. Use of Single-Stranded Conformational Polymorphism to Evaluate Genetic Diversity
   Katarzyna Czechowicz (Sponsor: Dr.Carolyn Bentivegna –Biology)
6. Eyewitness Memory and Misleading Questions
   David F. Enriquez (Sponsor: Dr. Guilla Mazzoni –Psychology)
7. Molecular Pharmacology of Somatostatin Receptors
   Fredric Mazz (Sponsor: Dr. Allan Blake – Biology)
8. Effects of Socio-Economic Status on the Perception of Depression
   Pretar Passe (Sponsor: Dr. Susan Nolan –Psychology)
9. Production of Pro-inflammatory Cytokines in Rats Following Chronic Treatment with
   Lipopolysaccharide -Roderick Yun, Justin Siliva, Victoria Carusso (Sponsor: Dr. Sulie Chang)

3:30 p.m.

Theta Alpha Kappa, Religious Studies and
Theology Honor Society Induction
Evening of Roses - Sr. Rose Thering Endowment

Faculty Lounge, University Center
Auditorium, Kozlowski Hall

Monday, April 7
9:00 a.m.- 5:00 p.m.
1:00 p.m.
2:00 p.m.
3:30 p.m.
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On-going Viewing of Poster Projects
Perspectives on Disabilities
The Examined Life: Honor Thesis Presentation (II)
Controversial Issues in the Sciences
The Examined Life: Honor Thesis Presentation (III)
The Portrait of a Teacher
An Introduction to Options

Greek Room, University Center
Atrium, Kozlowski Hall
Room 307, Fahy Hall
Atrium, Kozlowski Hall
Room 307, Fahy Hall
Atrium, Kozlowski Hall
Room 132, Kozlowski Hall

Tuesday, April 8
8:45 - 10:00 a.m.
10:00 a.m.
10:00 a.m. - 11:50 a.m.
11:30 a.m. - 12:45 p.m.
12:00 - 1:50 p.m.
1:00 - 2:15 p.m.
5:30 p.m.
7:00 - 9:00 p.m.

Experiential Education Student Awards Breakfast
TLTR Best Practices Showcase
Symposium on the First Year Experience
The Broad Scope of Social Education
Symposium on Social Justice
Catholic Literature and Its Transformation into Film
Ph.D. Student Seminar
Rational Design of Molecular Imprinted Polymers
Chemistry and Biochemistry Poster Presentations

Atrium, Kozlowski Hall
Beck Rooms, Walsh Library
Main Lounge, University Center
Room 464, Kozlowski Hall
Main Lounge, University Center
Chancellor’s Suite, University Center
Science Amphitheater, McNulty Hall
Chancellor’s Suite, University Center

1. Protein-DNA Interactions: Structural Relationship Between DNA and the Protein Integration
   Host Factor, Michael Arent and Richard D. Sheardy
2. Investigating Synthetic Routes to Metal Tetraaza Phthalocyanines and Tetraaza Phthalocyanines, Carlos Ramirez and Richard D. Sheardy
5. Asymmetric Transfer Hydrogenation of Allylic Alcohols: A Novel Reaction with Chiral Homogeneous Ruthenium Catalysts, Marie G. Beauchamps, Joseph Laquidara and John R. Sowa
7. Analysis of Chiral Alcohols by Esterification with (S)-Naproxen, Li Li and John R. Sowa, Jr.
8. Selective Depolymerization of ad-Glucopyranose Pentacetate, Cosimo Antonacci, Richard D. Sheardy and Cecilia Marzabadi
9. Effect of Thiols on the Thiostrepton-Induced Multiple Drug Resistance in Streptomyces Lividans, Marissa Healy, Mark Chiu and Richard Sheardy
10. Synthesis of a Cyclic Tetracarboxylic Diacid Hydride using Dess Martin Periodinane, Edwin Vega and Cecilia Marzabadi
12. High-resolution Liquid Chromatography (HRLC) Coupled On-line with High-resolution Gas Chromatography (HRGC) for Complex Mixture of Pharmaceutical Compounds, Subhash Patel and Nicholas H. Snow
13. Self Assembly of Organosilicon Hydrides on Various Metal Hydrides, Roy Helmy and Alexander Y. Fadeev
15. Investigation of Model Sell Membrane Disruption by Biocides and Surfactants by Fluorescence Methods, Imara Charles and W. Rorer Murphy Jr.
16. Synthesis of Sugar Based Oxazolines, Aziridines Oxazolidinines, β-lactams and Oxazoles, Michael DeCastro and Cecilia H. Marzabadi
17. Investigation of Orthogonal Donor Types in a Glycosylation Reaction on a Polystyrene Resin, Jack Ferguson and Cecilia H. Marzabadi
18. Solid Phase Approaches to Cyclic Oligonucleosides, Irene Negrete and Cecilia H. Marzabadi
20. Covalent Surface Modification of Inorganic Phosphates, Jeffrey J. McElwee and Alexander Y. Fadeev
21. Evaluation of Retention, Peak Shape, and Resolution for Gradient Elution Reverse Phase HPLC using Finite Difference Simulation, Christopher C. Rinaldi and Joseph T. Maloy
23. The Edge Structures of Real Nano-sized MoS2, Changki Kim and Stephen P. Kelty
25. Solid Phase micro-extraction of Drugs in Biological Matrices, Guida Reis & Nicholas Snow
26. Relationship between acid volatile sulfides, redox potential and dissolved oxygen in a polluted wetland, Joy E. Alfano and Carolyn Bentivegna
27. Kinetics and Function of Organophosphonic Acid Monolayers on Metal Oxide Surfaces, Stephen P. DiBona and Alexander Y. Fadeev
29. Adsorption of Proteins on Surfaces of Different Energies, Tom Comey and Alexander Y. Fadeev
30. The Effect of Counteranion Concentration on the Retention of Organic Quaternary Amines, Angela De Leonibus, Yuri V. Kazakevich, Rosario Lobrutto and Alan Jones
31. Investigating the Heat of Formation of the B to Z Transition By Circular Dichroism, Emily Satkiewicz, Jaime M. Ferreira and Richard D. Sheardy
32. Poly(methacrolein Oxime) and Poly(methacrolein Oxime Acetate), Frank St.Amand and James E. Hanson
33. Microwave Synthesis in Suzuki-Cross Coupling Reaction, Joanna Manansala, Nicole Heuschkel and John R. Sowa, Jr.
34. Studies of Hyperbranched Poly(phenylene sulfide), Julie Grievenburg and James E. Hanson
35. A Comparison of Conformational Effects of Tertiary Alkyl and Silyl Ethers on Vicinal Diols, Kandace Jones, Michael DeCastro and Cecilia Marzabadi
36. Investigating the B to Z Transition in DNA, Robert Murphy, Jaime M. Ferreira and Richard D. Sheardy
37. Adsorption of Proteins on Hydrophilic and Hydrophobic Surfaces, Thomas Comey and Alexander Y. Fadeev
38. Oxidation of Primary Alcohols with tert- butylhydroperoxide in the presence of ruthenium complexes, Nagendranath Mahata, Setrak Tanielyan and Robert Augustine
39. Anchored Homogeneous Catalysts: Some studies into the nature of the catalytically active species, Pradeep Goel, Stephen Anderson, Jayesh Nair, Clementine Reyes, Yujing Gao, Setrak Tanielyan and Robert Augustine
40. The Fate of the Dioxefi Species During Homogeneous Rhodium Complex Catalyzed Hydrogenations, W. Monillas, R.L. Augustine, P. Goel and J. Nair
42. Solvent effects in the use of anchored homogeneous catalysts for hydrogenation reactions, Clementine Reyes, Yujing Gao, Agnes Zsigmond, Pradeep Goel, Nagen Mahata, Setrak Tanielyan and Robert Augustine
43. Synthesis of y-Nonalactone “Coconut Aldehyde” The Chemistry 2314 Class (Sponsor: John R. Sowa)

7:00 p.m. Leadership Awards Ceremony  Main Lounge, University Center

For a listing of activities and schedule updates, access the Academic Exposition Web site at: http://artsch.shu.edu/acadexpo