



**NEW YORK CITY COLLEGE OF TECHNOLOGY**  
*SCHOOL OF ARTS & SCIENCES*

# PROGRAM

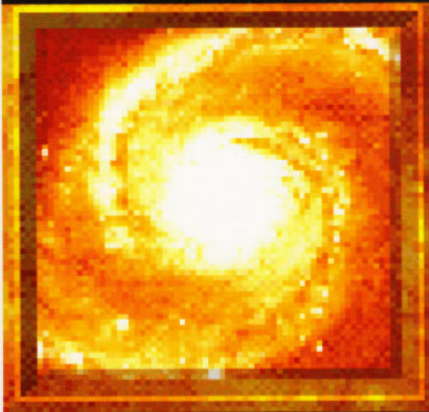
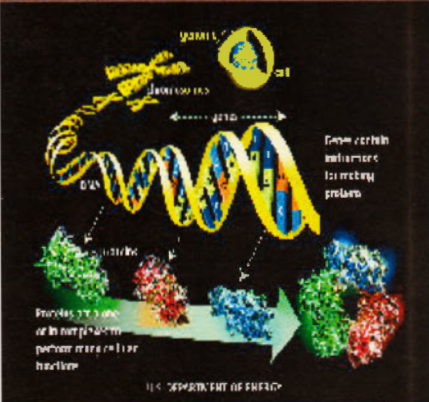
## Poster Session of Faculty and Student Research

**Thursday, November 13, 2003**

Faculty Lounge, A632

Faculty Presentations: 1 pm ~ 2:30 pm

Student Presentations: 4 pm ~ 5:30 pm



## Greetings

Provost *Joann La Perla*

## Opening remarks

Dean *Annette Schaefer*

### Biology

1. Shorn Edwards (co-authored with Walied Samarrai, mentor, Rivka Rudner), "Transcription Induced A Mutagenic Response During Amino Acid Starvation in *Bacillus Subtilis*."
2. Laina Karthikeyan (co-authored with Annette E.Schaefer, Carlos O.Estol, Pullani Shashidharan), "Sumoylation of TorsinA."
3. Manpreet Singh (co-authored with Laina Karthikeyan, mentor), "Sumoylation of TorsinA."

### Chemistry

1. Maria-Julieth Ballesteros (co-authored with Tony E. Nicolas, mentor, Carlos Estol, Neville Parker), "Synthesis of a Model of the ABC Rings of the Angucyclines."
2. Angelica Bravo (co-authored with Ramiro Cruz, Tony E. Nicolas, mentor, Carlos Estol), "An Approach to the Formal Synthesis of Frenolicin B."
3. Pamela Brown, "Three Approaches to Student Research."
4. Simon Dexter (co-authored with Pamela Brown, mentor), "Microwave Induced Synthesis of Banana Oil."
5. Tony Nicolas, "Synthesis of Biologically Important Molecules."
6. Jude Poku (co-authored with Pamela Brown, mentor), "Build Your Own Breathalyzer -Development of an Undergraduate Laboratory Exercise."

## Literature, Humanities and Linguistics

1. Ryan Cicero (co-authored with Jane Mushabac, mentor), "A Novel by Homero Aridjis, 1492: The Life and Times of Juan Cabezón of Castille."
2. Elizabeth Gold, "Brief Intervals of Horrible Sanity." Presentation of the book.
3. George Guida, "Las Vegas Jubilee: Louis Prima's 1950s Stage Show as Multicultural Spectacle."
4. Carrol Lasker, "Telling Memory, Telling Resistance: Narratives of Black South African Women in the 1990's."
5. Mary Nilles, "Searching for Utopia: The Western Farm and Village Association in Minnesota, 1851-1865."
6. Mary O'Riordan, "Linked ESL Courses: How They Work, Why They Work."
7. Annette Saddik, "Performing America: The Struggle for Cultural Identity on the Stage." Presentation of a new book project.
8. Annette Saddik, "The Politics of Reputation: The Critical Reception of Tennessee Williams' Later Plays." Presentation of the book.
9. Stephanie Smolinsky, "The Pattern-Finder, a Program to Analyze the Hidden Sound Structures of Poetry."

## Mathematics

1. Zhao Chen, "An Efficient Algebraic Solution."
2. Urmi Ghosh-Dastidar, "Optimization for Source Localization and Geoacoustic Inversion in Underwater Acoustics."
3. Janet Liou-Mark, "Peer Led Team Learning in Mathematics."
4. Jonathan Natov, "On Signatures and a Subgroup of a Central Extension to the Mapping Class Group."
5. Alexander Rozenblyum, "Dad's Lessons: Trigonometry." Presentation of a new book.
6. Alexander Rozenblyum, "q-analogs of Discrete Polynomials Related to Quantum Rotation Group."
7. Hans Schoutens, "The Use of Non-Standard Powers in The Study of Singularities."
8. Thomas Tradler, "Homotopy Frobenius Algebras."

## Physics

1. Reginald Blake, "Climate Change Impacts on the Metro-East Coast Region."
2. Vladimir Boyko (coauthored with R.Ya. Kezerashvili, and A.M. Levine), "The Transport Properties of Large-Angle Grain Boundaries Containing Point Defects in YBCO."
3. Vladimir Boyko (co-authored with Manoj Chopra, Siu-Wai Chan, R.L. Meng, C.W. Chu), "Twinning in Large Grains Of High-Temperature Superconductor YBCO as Affected by Addition of Y2BaCuO5."
4. Vladimir Boyko (co-authored with Siu-Wai Chan), "Microstructure Design by Twinning and Additions in Crystals of High-Temperature Superconductor YBCO for Enhanced Critical Currents at High Magnetic Fields".
5. S. Bhaskaran, and O. White (co-authored with Vladimir Boyko, mentor), "The Atomic Structure of the Large-Angle Grain Boundaries Sigma 5 (misorientation angles  $36.87^{\circ}$  and  $53.13^{\circ}$ ) Containing Oxygen Vacancies in YBCO."
6. Roman Kezerashvili, "Cluster Structure of Atomic Nuclei and Nucleosynthesis of Elements in the Universe."
7. Roman Kezerashvili, "College Physics Laboratory Experiments." Presentation of a new book.
8. LuFeng Leng (co-authored with L. Wei, K. Bergman, B. A. Small, O. Liboiron-Ladouceur, J. Mack), "Fiber Optic Switch Fabric for High Performance Computing."
9. Gregory Matloff, "The Solar Sail: New Vistas in Space Travel."

## Social Science

1. Hugh McDonald, "Radical Value Philosophy and/as Environmental Ethics."
2. Costas Panagiotakis, "Globalization, Ecology and Capitalism's 'Dialectic of Scarcity'."