

Juan C. Noveron, Ph.D.
Associate Professor of Chemistry

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Education

California State University Long Beach	Chemistry	B.A.	1994
University of California Santa Cruz	Chemistry	Ph.D.	2000
University of Utah	Chemistry	Postdoc.	2000-3

Appointments

2014-present	Provost's Faculty Fellow-in-Residence at the Office of Undergraduate Studies
2009-present	Associate Professor, Department of Chemistry, University of Texas at El Paso
2003-2008	Assistant Professor, Department of Chemistry, University of Texas at El Paso
2000-2003	NIH Postdoctoral Fellow, University of Utah
1997-2000	GAANN Fellow, Department of Chemistry, University of California Santa Cruz
1994-1997	Graduate Assistant, Department of Chemistry, University of California Santa Cruz
1991-1993	Research Fellow, Department of Chemistry, California State University Long Beach

Honors and Awards

2013	UTEP COURI Faculty Mentor with the Most Student Posters Presented
2009	UT Regents' Outstanding Teaching Award
2008	National Science Foundation CAREER Award
2000	National Institute of Health Postdoctoral Fellowship
1998	Distinguished Service Award, University of California Santa Cruz
1997	US Department of Education GAANN Fellowship
1991	MARC/MBRS NIH Undergraduate Fellowship

Courses Taught

General Chemistry I and II, CHEM1305-6
Inorganic Chemistry, CHEM 4365
Contemporary Topics in Chemistry, CHEM 5301 (For High School Science Teachers)
Advanced Inorganic Chemistry, CHEM 6361

Synergistic Activities

1. Faculty mentor of Peer-led Team Learning Activities that Enhance Learning and Retention in General Chemistry: Train and mentor 15 - 20 advanced undergraduates students twice a week to serve as Peer Leaders of General Chemistry.
2. Training of High School Science Teachers: Teach a graduate level class designed for high school science teachers who are enrolled in the Masters of Arts in Science Teaching program at UTEP. Coordinate experiential learning lab-activities for the teachers beyond the classroom.
3. Member of UTEP's Intellectual Property Committee. Review the technical merits of provisional patent applications on behalf of the university.
4. Former Member of the Undergraduate Curriculum Committee in Chemistry. Reviewed issues related to the undergraduate curriculum in chemistry.
5. Provost's Faculty Fellow at the Office of Undergraduate Studies. Member of a team focused on improving the University Honors Program at UTEP.

Collaborators and Affiliations

External Collaborators

Delia Valles, Department of Industrial Engineering, New Mexico State University
Thuc-Quyen Nguyen, Department of Chemistry, University of California Santa Barbara
Michael Chabinyk, Department of Chemistry, University of California Santa Barbara
Young Park, Department of Mechanical & Aerospace Engineering, New Mexico State University
George Negrete, Department of Chemistry, University of Texas at San Antonio
Alejandro Bugarin, Department of Chemistry, University of Texas at Arlington
David Summers, Astrobiology Division, NASA Ames Research Center
Kevin Baker, US Department of Agriculture, Agricultural Service Center
Tanja Prietaß, Department of Chemistry, New Mexico Institute of Mining and Technology

Internal Collaborators

Luis Echegoyen, Department of Chemistry
Ricardo Bernal, Department of Chemistry
James Becvar, Department of Chemistry
Jorge Gardea-Torresdey, Department of Chemistry
Renato Aguilera, Department of Biological Sciences
Ruben Rosas-Acosta, Department of Biological Sciences
Delfina Dominguez, Clinical Lab Sciences
Rodrigo Armijos, Department of Public Health
Tunna Baruah, Department of Physics
Heidi Taboada, Department of Industrial, Manufacture, and Systems Engineering
Ramana Chintalapalle, Department of Mechanical Engineering
Ryan Wicker, Department of Mechanical Engineering
Gary Williams, Center for Research Entrepreneurship and Innovative Enterprises
Donna Ekal, Associate Provost of Undergraduate Studies
John Wiebe, Associate Provost, Department of Psychology
Irma Montelongo, Chicano Studies

Former Graduate and Postdoctoral Mentors

Graduate Mentor: Pradip K. Mascharak, Professor of Chemistry, University of California Santa Cruz
Postdoctoral Mentor: Peter J. Stang, Distinguished Professor of Chemistry, University of Utah

Graduate Students Mentored

Brenda Porta-Linnell, Ph.D., Asst. Prof., Dept. of Bio., Chem., & Env. Sci. Northern New Mex. College
Itzia Cruz-Arroyo, Ph.D., Research Scientist, MERK Co.
Alejandro Bugarin, Ph.D. Asst. Prof. Dept. of Chemistry, University of Texas at Arlington
Nazario Lopez, Ph.D., Postdoctoral Associate, Massachusetts Institute of Technology
Robert Moreno, M.S., Lecturer, El Paso Community College
Hugo Alarcon, M.S., Lecturer, El Paso Community College
Luis Andujo, M.S., Research Scientist, ALLERGAN Co.
Gabriel Gonzalez, M.S., Doctoral student in MASE at UTEP and Lecturer, El Paso Community College
Sarit Pal, M.S., Doctoral student at Texas A&M School of Medicine
Alejandro Arzola, M.S., Lecturer, Universidad Autónoma de Chihuahua
Maria Martinez, M.S., Research Scientist, DELPHI Co.
Eric Valenzuela, M.S., Lecturer, El Paso Community College
Clarissa S. Gomez M.S., Lecturer, El Paso Community College
Fabiola Cruz, M.S.
Julio Padilla
Tariqul Islam
Noemi Dominguez

Undergraduate Students Mentored in Chemistry Research (students funded *)

<i>Miguel Algara*</i>	<i>Gustavo Rodriguez</i>	<i>Andres Belmont*</i>
<i>Melissa Marrufo*</i>	<i>James Moore*</i>	<i>Andrew Mitchell *</i>
<i>Ember Sorodosky*</i>	<i>Araceli Jimenez*</i>	<i>Benjamin Deutch*</i>
<i>Andy Chavez*</i>	<i>Jose Marin*</i>	<i>Ruben Casillas*</i>
<i>Eduardo Chaib*</i>	<i>Abril Ramirez*</i>	<i>Luis Andujo*</i>
<i>Eunice Huerta</i>	<i>Leonel Barrera*</i>	<i>Eric Valenzuela*</i>
<i>Luis Aguirre</i>	<i>Chris Lung</i>	<i>Melissa Salinas*</i>
<i>Juan Sanchez*</i>	<i>Lynn Santiago*</i>	<i>Hugo Alarcon*</i>
<i>Shokoo Bahadorzadeh*</i>	<i>Marino Resendiz*</i>	<i>Audrey Lacerte</i>
<i>Erica Rodarte*</i>	<i>Michael Helgesen*</i>	<i>Viridiana Saenz*</i>
<i>Brian Barraza*</i>	<i>Leo Rodriguez*</i>	<i>Gabriel Salazar*</i>
<i>Jacob Prat</i>	<i>Nadine Bualle*</i>	<i>Ellis Cameron</i>
<i>Bruce Saenz*</i>	<i>Ramon Castro</i>	<i>Rosaura Chapina</i>
<i>Rudy Acosta*</i>	<i>Alejandro Ortega*</i>	<i>Carlos L. Saenz</i>
<i>Lance Park*</i>	<i>David Barajas*</i>	<i>Isaac Torres*</i>
<i>Humberto Rojo*</i>	<i>Jimena Aguirre*</i>	

Current Funded Projects

Role	Agency	Funded Amount	Effective Dates	Project Title
Principal Investigator	NSF CAREER / CURRENT	\$595,000	9/01/08 – 12/31/14	CAREER: Metal-mediated Supramolecular Materials in Water: Towards Programmable Molecular Complexity with DNA-delivery Functions
Role: Co-Principal Investigator PI: Dr. Heidi Taboada	US Department of Agriculture / CURRENT	\$3,200,000	9/01/11 – 8/31/15	BGREEN - BuildinG a Regional Energy and Educational Network: A Partnership to Integrate Efforts and Collaboration to Shape Tomorrow's Sustainable Energy Leaders
Role: Co-Principal Investigator PI: Dr. Ricardo Bernal	NSF MRI /CURRENT	\$1,259,954	9/01/09- 8/31/12	MRI: Acquisition of a Field Emission Gun Transmission Electron Microscope for Biological Structure Determination
Role: Co-Principal Investigator PI: Dr. Luis Echegoyen	NSF MRI /CURRENT	\$225,035	9/01/12 - 8/31/15	MRI: Acquisition of an Electron Paramagnetic Resonance (EPR) Spectrometer for Research and Education in Chemistry and Physics
Role: Co-Principal Investigator PI: Dr. Luis Echegoyen	NSF / CURRENT	\$ 3,300,000	9/1/12 – 8/31/17	UTEP/UCSB Partnerships for Research and Education in Materials (PREM)
Role: Principal Investigator Co-PI: Dr. Heidi Taboada	US Department of Agriculture / CURRENT	\$ 999,790	9/1/14 – 8/31/19	I-Discover: Collaborative Integration of USDA-Research in the Advanced Teaching Laboratories of STEAM to Accelerate Time-critical Research while Increasing Student Recruitment, Retention, and Professional Competencies

Representative Peer-reviewed Publications

- Torres, I.; Resendiz, M.; Arif, A.; Metta-Magana, A.; Phan, H.; Nguyen T.; Noveron, J. **Anion-directed Supramolecular Networks of Silver (I) N-(4-pyridyl) Benzamide and Their Band Gap Tunability.** *Crystal Growth & Design*, 2014, submitted 12/14/14.
- Bugarin, A.; Martinez, L.; Cooke, P.; Islam, T.; Noveron, J. **Solid-phase organic synthesis of 2-tridecanyl-1,4-naphthoquinone and 2-tridecanyl-1,4-naphthodiol that form redox- active micelles and vesicles.** *Bioorg. Chem.* 2014, 56, 62 – 66.
- Padilla, J.; Calderon, F.J.; Acosta-Martinez, V.; Pelt, S.V.; Gardner, T.; Baddock, M.; Zobeck, T.M.; Noveron, J.C. **Diffuse-reflectance mid-infrared spectroscopy reveals chemical differences in soil organic matter carried in different size wind eroded sediments.** *Aeolian Research*, 2014, 15, 193 – 201.
- Pietraß, T., Campa- Cruz, I., Kombarakkaran, J., Suman, S. Atta, A.M.; Noveron, J. **Hydrogen Physisorption in Cu(II) Metallacycles.** *J. Physical Chemistry C*, 2010, 114, 21371-2137.
- Kombarakkaran, J.; Helgesen, M.; Shen, K.; Pietraß, T.; Noveron, J.C. **Hydrogen Storage in Dinuclear Pt(II) Metallacycles.** *Intern. J. Hydrogen Energy*, 2009, 34, 5704-5709.
- Summers, D.; Noveron J.C.; Basa, R.C. **Energy Transduction Inside of Amphiphilic Vesicles.** *Orig. Life. Evol. Biosph.*, 2009; 39, 127 - 140.
- Porta, B.; Khamsi, J.; Noveron, J.C. **Metallomesogens: Supramolecular Design via Alkyrich Metal Complexes.** *Current Organic Chemistry*, 2008, 12, 1298 - 1321.
- Mukherjee, Partha S.; Lopez, N. Arif, A. M.; Cervantes-Lee, F.; Noveron J.C. **Single-crystal to single-crystal phase transitions of bis(N-phenylisonicotinamide)silver(I) nitrate reveal cooperativity properties in porous molecular materials.** *Chem. Commun.*, 2007, 1433 - 1435.
- Campa-Cruz, I.; Arzola, A.; Santiago, L.; Parson, J. G.; Varela-Ramirez, A.; Aguilera, R.; Noveron J.C. **A novel class of metal-directed supramolecular DNA-delivery systems.** *Chem. Commun.*, 2007, 2944 -2946.
- Lopez, N.; Vos, T. E.; Arif, A. M.; Miller, J. S.; Noveron, J.C. **Structure and Magnetic Properties of a Hydroxo-Bridged Copper(II) Distorted Cubane Stabilized via Supramolecular Hydrogen Bonding with an Ionic Hexafluoroacetylacetonate.** *Inorg. Chem.*, 2006; 45, 4325 - 4327.
- Resendiz, M.; Noveron, J. C.; Stang, P. J.; **A Supramolecular Optical Sensor for Ni(II), Cr(II), and Cd(II).** *Org. Lett.*, 2003; 6, 651 - 653.

- Noveron, J.C.; Chatterjee, B.; Arif, A. M.; Stang, P. J.; **Thermally Stable Nanoporous Structures from the Self-assembly of N-(4-pyridyl)benzamide and Mn(II) Salts.** *J. Phys. Org. Chem.*, 2003; 16, 420 - 425.
- Noveron, J.C.; Lah, M. S.; Del Sesto, R. E.; Arif, A. M.; Miller, J. S.; Stang, P. J.; **Engineering the Structure and Magnetic Properties of Crystalline Solids via the MetalDirected Self-Assembly of a Versatile Molecular Building Unit.** *J. Am. Chem. Soc.*, 2002; 124, 6613 - 6625.

Provisional Patents Pending

- Miguel Algara, Juan Noveron. 2014. **Metallic Nanoparticles in Hydrogels for Arsenic Removal from Water.** A novel technique for synthesizing anisotropic nanoparticles with high surface area and reactivity against arsenate embedded in hydrogels was invented. The nanoparticles can be used to remove arsenate salts from water.
- Hugo Alarcon, Juan Noveron. 2014. **Carbon Nanotubes-DNA Hybrid Materials for Rapid Gene Sensor Applications.** A novel material that forms gels upon sequence-specific reactions and can be used to detect targeted gene sequences at nanomolar concentrations as invented.
- Ben Deutch, Julio Padilla, Juan Noveron. 2014. **Single Crystals with Dynamic Water Channels for Low-pressure Desalination Technologies.** A novel material family that translocates water between solid-state phases using lattice cooperativity properties at low pressures was invented.
- Shakooh Bahadorzadeh, Juan Noveron. 2014. **3-D Printable Materials with Water-triggered Drug Release Properties.** A novel material that can form 3-D printable gels via UV-stereolithography with the property to adsorb organic molecules and release them upon exposure to nanomolar concentrations of water was invented.

Representative Conference Abstracts

- Surface functionalization of cotton cellulose with benzoyl chloride and its applications for the adsorption of aromatic pollutants. Julio Padilla, Juan Noveron. National Agri-science Education Conference, Nov 18-22, 2014, FIU, Miami, FL.
- Transparent low-band gap films via supramolecular silver (I) bis-N-(4-pyridyl)-benzamide complexes. Isaac Torres, Juan Noveron. SACNAS National Conference, Los Angeles, CA Oct 16, 2014.
- Metal-mediated anchoring of [6,6]-phenyl-C61-butyrate to gold nanoparticles. Julio Padilla, Md. Islam, Ember Sorodosky, Juan Noveron. SACNAS National Conference, Los Angeles, CA Oct 16, 2014.
- Surface functionalization of cotton cellulose with benzoyl chloride and its applications for the adsorption of aromatic pollutants. Humberto Rojo, Julio Padilla, Juan Noveron. SACNAS National Conference, Los Angeles, CA Oct 16, 2014.

- Surface functionalization of cotton cellulose with benzoyl chloride and its applications for the adsorption of aromatic pollutants. Humberto Rojo, Julio Padilla, Juan Noveron. New Mexico AMP Conference, Las Cruces, NM, Oct 3, 2014.
- Use of Cu nanoparticle gels for removal of arsenic. Miguel Algara, Juan C. Noveron. COURI Symposium Abstracts, Summer 2014.
- Surface functionalization of cotton cellulose with benzoyl chloride and its applications for the adsorption of aromatic pollutants. Humberto Rojo, Julio Padilla, Juan Noveron. 4th Annual COURI Symposium Showcasing Emerging Researchers, Scholars and Artists, April 25, 2014.
- Transparent low-band gap films via self-organized silver (I) bis-N-(4-pyridyl)-benzamide complexes. Isaac Torres, Juan Noveron. 4th Annual COURI Symposium Showcasing Emerging Researchers, Scholars and Artists, April 25, 2014.
- Novel functional polymers via DNA-templated photopolymerization of zinc (II) 1,4,7,10-tetracyclene acrylate nitrate complexes. Rudy Acosta, Alejandro Metta, Juan Noveron. 3rd Annual Showcasing Emerging Researchers at the Forefront of Science, Engineering, Health Sciences and Nursing, University of Texas at El Paso, April 20, 2013.
- Temperature-responsive nano-architectures from Zinc (II) bis and tris-carboxylate amphiphilic coordination polymers. Brian Barraza, Md. Islam, Juan Noveron. 3rd Annual Showcasing Emerging Researchers at the Forefront of Science, Engineering, Health Sciences and Nursing, University of Texas at El Paso, April 20, 2013.
- Supramolecular assembly of DNA templated fullerene photovoltaic polymers. Juan Sanchez, Mireya Perez, Ryan Wicker, Juan Noveron. 3rd Annual Showcasing Emerging Researchers at the Forefront of Science, Engineering, Health Sciences and Nursing, University of Texas at El Paso, April 20, 2013.
- Towards printable solar cells: synthesis, characterization, and physical chemical properties of a Zn(II) bis-N-(4-pyridyl) benzamide acrylate complex that binds fullerenes. Melissa Marrufo, Shokooh Bahadorzadeh, Juan Sanchez, Juan Noveron. 3rd Annual Showcasing Emerging Researchers at the Forefront of Science, Engineering, Health Sciences and Nursing, University of Texas at El Paso, April 20, 2013.
- Novel molecular tweezers for fullerenes: towards self assembly of photovoltaic supramolecular layers. Ember Sikorski, Melissa Marrufo, Juan Noveron. 3rd Annual Showcasing Emerging Researchers at the Forefront of Science, Engineering, Health Sciences and Nursing, University of Texas at El Paso, April 20, 2013.

- DNA-Templated Photopolymerization of Bromo Hydrocarbon Acrylate. Bruce Saenz, Juan Noveron. 3rd Annual Showcasing Emerging Researchers at the Forefront of Science, Engineering, Health Sciences and Nursing, University of Texas at El Paso, April 20, 2013.
- 3-D printable photovoltaic materials: Photo-polymerizable tweezers for fullerenes. Juan Sánchez, Melissa Marrufo, Shakoo Bahadorzadeh, Ryan Wicker, Michael Chabiny, and Juan C. Noverón, 3rd Annual Showcasing Emerging Researchers at the Forefront of Science, Engineering, Health Sciences and Nursing, University of Texas at El Paso, April 20, 2013.
- Self-assembly of Fullerene Gemini Surfactants in Solid-solutions. Juan Sánchez, Ping Peng, Juan C. Noveron, Michael Chabiny, Luis Echegoyen, 3rd Annual Showcasing Emerging Researchers at the Forefront of Science, Engineering, Health Sciences and Nursing, University of Texas at El Paso, April 20, 2013.
- Lipid-coordination-polymers that self-organize into toroids in water and exhibit gene-delivery properties. Alejandro Arzola, arazola@utep.edu, Armando Varela-Ramirez, Renato Aguilera, Alejandro Metta, and Juan C. Noveron. Fundamental Research in Colloid and Surface Chemistry. 2009. 237th American Chemical Society National Meeting, Conference Paper. March 23, 2009.
- DNA-templated polymerization of styrene derivatives in water: New nanomaterial composites. Polymerization in Nanostructured and Nanocomposite Systems. Leonel Barreda, and Juan C Noveron, 237th American Chemical Society National Meeting, Conference Paper. March 23, 2009.
- Discrete and extended metal-organic networks with lipid components. Luis Andujo, Brenda Porta, Alma Miramontes, Brian Northrop, Peter J. Stang, Juan C. Noveron. Undergraduate Research at the Frontiers of Inorganic Chemistry. 237th American Chemical Society National Meeting, Conference Paper. March 23, 2009.
- Designed metallo-lipids for DNA-delivery into eukaryotic cells. Arzola, Alejandro; Cruz-Campa, Itzia; Alarcon, Hugo; Jimenez, Araceli; Noveron, Juan C. Department of Chemistry, UTEP, El Paso, TX, USA. Abstracts of Papers, 236th ACS National Meeting, Philadelphia, PA, United States, August 17-21, 2008.
- Deuterium adsorption in microporous self-assembled dinuclear metal-organic framework material. Kombarakkaran, Justine; Pietrass, Tanja; Cruz-Campa, Itzia; Noveron, Juan C.; Arif, Atta M. Department of Chemistry, New Mexico Tech, Socorro, NM, USA. Department of Chemistry, UTEP, El Paso, TX, USA. Abstracts of Papers, 235th ACS National Meeting, New Orleans, LA, United States, April 6-10, 2008.
- Designed metallo-lipids for DNA-delivery into eukaryotic cells. Arzola, Alejandro; Cruz-Campa, Itzia; Alarcon, Hugo; Jimenez, Araceli; Noveron, Juan C. Department of Chemistry, University of Texas at El Paso, El Paso, TX, USA. Abstracts of Papers, 234th ACS National Meeting, Boston, MA, United States, August 19-23, 2007.

- Synthesis and characterization of lyotropic platinum complexes. Cruz Sanchez, Fabiola A.; Noveron, Juan C. Department of Chemistry, University of Texas at El Paso, El Paso, TX, USA. Abstracts of Papers, 233rd ACS National Meeting, Chicago, IL, United States, March 25- 29, 2007.
- Gold nanoparticles coated with redox-active transition metals. Ramirez, Abril A.; Cruz-Campa, Itzia; Noveron, Juan C. Chemistry Department, University of Texas at El Paso, El Paso, TX, USA. Abstracts of Papers, 233rd ACS National Meeting, Chicago, IL, United States, March 25-29, 2007.
- New Approach Towards Aqueous Functional Nanostructures via Amphiphilic Coordination Networks. Noveron, Juan C. American Physical Society National Meeting., March Meeting, Baltimore, MA, March 13-17, 2006.
- Supramolecular design: Synthesis of complex nanostructures and their application as drug- and DNA-delivery systems. Cruz-Campa, Itzia; Noveron, Juan C.; Santiago, Lynn M.; Aguilera, Renato. University of Texas at El Paso, El Paso, TX, USA. Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005.
- Designing DNA vaccine delivery systems with amphiphilic coordination networks. Santiago, Lynn M.; Cruz-Campa, Itzia; Rosas, Aaron; Aguilera, Renato; Noveron, Juan C. Department of Chemistry, University of Texas at El Paso, El Paso, TX, USA. Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005.
- Rings for Carbon Nanotubes: Chemical Dispersion of Fullerenes via Metallacycles Noveron, Juan C at the TexMEMS VII International Conference on Micro Electro Mechanical Systems, University of Texas El Paso, September 21, 2005.
- Reversible Single-Crystal to Single-Crystal Transformations, Noveron, Juan C. at XVII International Conference on the Chemistry of the Organic Solid State, University of California Los Angeles, July 24, 2005.
- Molecular Bio-Materials for Gene Delivery Cruz-Campa, Itzia; Noveron, Juan C. at the Materials Research Society National Meeting, San Francisco, CA, March 28, 2005.
- Novel drug delivery systems with magnetic properties. Cruz-Campa, Itzia; Noveron, Juan C.; Santiago, Lynn. Department of Chemistry, University of Texas at El Paso, El Paso, TX, USA. Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United States, March 28-April 1, 2004.
- Synthesis and characterization of a new copper(II) cubane complex: In-situ formation of amino- imino ligands. Lopez, Nazario; Vos, Thomas E.; Arif, Atta M.; Miller, Joel S.; Noveron, Juan C. Department of Chemistry, University of Texas-El Paso, El Paso, TX, USA. Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United States, March 28-April 1, 2004.

- New supramolecular metallacycles: Effects of the metal linkers on the structure, self-assembly, and properties of the ensembles in solution and in the solid-state. Cruz-Campa, Itzia; Noveron, Juan C.; Lopez, Nazario; Disteldorf, Hendrick; Nguyen, Cattien V.; Resendiz, Marino; Stang, Peter J. Department of Chemistry, University of Texas at El Paso, El Paso, TX, USA. Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United States, March 28- April 1, 2004.
- Novel DNA-delivery vehicles with Magnetic Properties. Lynn Santiago, Juan C. Noveron at National Institute of Health- Annual Biomedical Research Conference (ABRCMS) Program 2004 National Meeting, Dallas, TX, November 11-13, 2004.
- Atomic Force Microscopy of Novel Nanoscopic Drug-delivery Vehicles. Itzia Cruz-Campa; Juan C. Noveron, at the Rio Grande Chemistry Conference 2003 at UTEP, November 15, 2003.
- Self-assembly of Nanoscopic Drug-delivery Vehicles with Magnetic Properties. Lynn Santiago; Juan C. Noveron, at the Undergraduate Research Summer Expo 2003, Department of Chemistry, University of Utah, Salt Lake City, UT, August 4, 2003.
- Thermodynamics of Self-repair in Molecular Self-assembly. Chris Lung, Juan C. Noveron. Student Research Expo 2003, UTEP, El Paso, Texas, April 17, 2003.