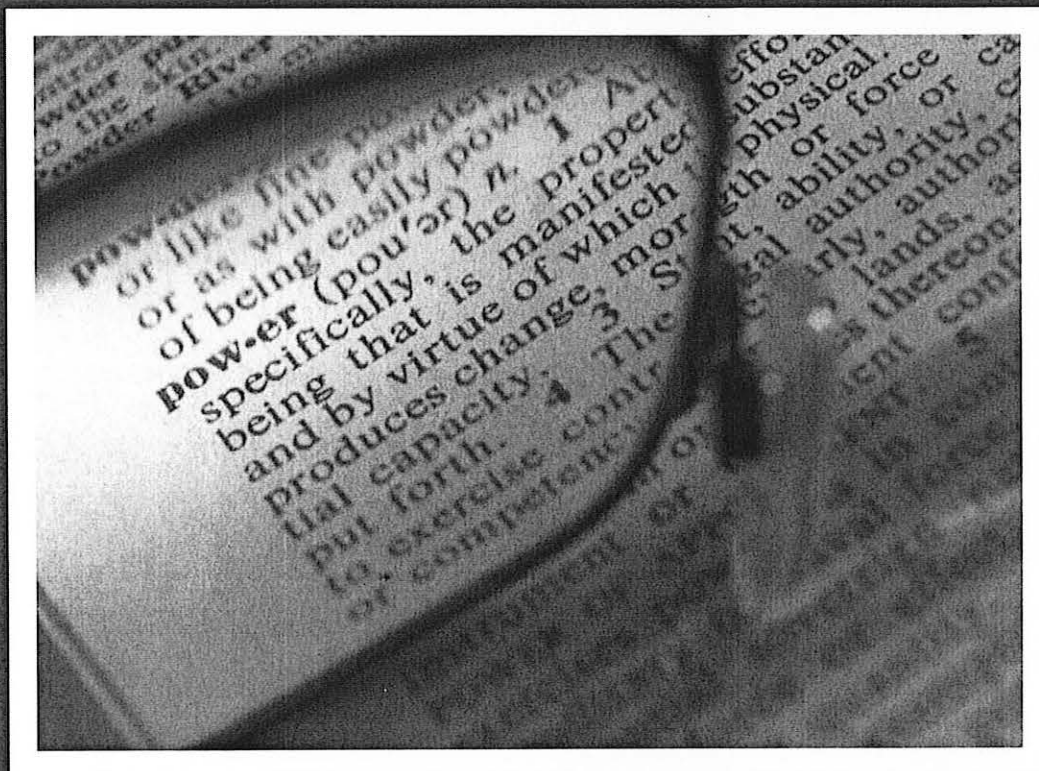
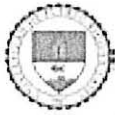


# PROGRAMA RISE









DECANATO DE ASUNTOS ACADÉMICOS

PROGRAMA RISE	Seminarios , Talleres y Simposios Programados 2010-11	Seminarios , Talleres y Simposios Programados 2011-12	Seminarios , Talleres y Simposios Programados 2012-13	Seminarios , Talleres y Simposios Programados 2013-14	Seminarios , Talleres y Simposios Programados 2014-15	TOTAL
TALLER/ESTUDIANTES/FACULTAD	7	4	1	5	5	22
SEMINARIOS /ESTUDIANTES	3	2	3	2	3	13
PRESENTACION / INVESTIGACION	27	18	11	15	21	92
SIMPOSIO	1					1
SESSION INFORMATIVA/ENTREVISTAS	2	2	1	1	2	8
TOTAL ACTIVITIES						136



# Science Area Seminars- Fall 2014

All Students are invited.

Date	Topic	Speaker/Univ.
Sept. 4 A	Artificial Photosynthesis: Towards the Development of Fuels from Solar Energy Workshop: Solar Energy Activity Lab	 Dr. Ivonne Ferrer* Calif. Inst. of Technology
6 A	Workshop: Why Graduate School? Cayey to Graduate School Succeeding on Your Path!	 Dr. Nelson Lopez* <sup>NSA</sup> Amgen, Inc. Dr. Homero Monsanto Merck Pharmaceutical Dr. Jesus Velazquez* Calif. Inst. of Technology
8 M	Workshop: Introduction to Neurobiology RSVP in RISE office	 Dr. William Atchison Michigan State Univ.
9 M	LPIN1 Regulates Steroidogenic Genes in Human Adrenocortical Cells	 Dr. Steve Anderson University of Colorado
11 A	Undergraduate and Graduate Training Opportunities at the Univ. of Minnesota	 Dr. Jon Gottesman & Ms. Nicolle Rosa University of Minnesota
18	Meet the Ivy Plus Schools	Leadership Alliance Harvard Chicago Cornell MIT Berkeley Pennsylvania Yale Broad Brown Columbia New York Princeton Rockefeller
20 M	RISE Proposal Session	Research Students
25 M	A Simpler Model for Cardiac Membrane Dynamics	 Mr. Gabriel Porrata* Iowa State Univ.
Oct. 2 M	Biomedical Research at The Univ. of Buffalo, SUNY: Vaccine Development as an Example	 Dr. Terry Connell & University of Buffalo
9 M	The Use of <i>C. elegans</i> to Study Differentiation and Function of Neurons with Gender-Specific Roles	 Dr. Aixa Alfonso * & Mr. Francisco Piña Univ. of Illinois-Chicago
14 M	Student Seminars SACNAS 2014 Los Angeles, Calif.- Talks	 Student Speakers Practice session for those attending
21 M	Research Opportunities and Ph.D. Programs at Case Western Reserve University	 Dr. Paul MacDonald Case Western Reserve University
23 A	The Role of Arrestins in Glucose Starvation-induced Protein Endocytosis	 Mr. Jorge Martinez * University of Michigan
30 M	Student Seminars ABRCMS 2014 San Antonio, Texas.- Talks	 Student Speakers Practice session for those attending
31	Introduction to Pharmacology	 Dr. Eloy Rodriguez Cornell University








# Spring Seminars & Workshops 2015

Open to Public

	Date	Topic	Speaker/Institution
January	18 M	Workshop Experiments with Membranes, Osmosis, & Selective Transport	 Dr. Matt Holden University of Mass.- Amherst
	29 A	Spatial Learning & Memory in an Animal Model of Seasonal Affective Disorder	 Mr. Joel Soler * Michigan State Univ.
Feb.	10 M	Carbon Dots & Chromatography: How Can They Play Together	 Dr. Luis Colon * University of Buffalo
	12 M	Biomedical Research & How YOU can be Involved In It	 Dr. Joshua Hall Univ. N. Carolina- Chapel Hill
	13,14 M	Workshop Translational Medicine: From Genes to Protein Function	 Ms. M. Babilonia, Ms. Kia Perez, Mr. Ricardo Rivera Univ. N. Carolina-
	19 M	Opportunities in Marine Biology	 Dr. Bill Reznikoff Woods Hole Institute
	26 A	New Melt Crystallization Techniques For Purification and Analysis Of Organics and Pharmaceuticals	 Dr. Andrew McGhie Univ. of Pennsylvania
	28M	Student Seminars Proposal Day	RISE Students
March	3 A	Getting Ready for a PhD or Med School- Is there a Difference?	 Dr. Manuel Santiago Univ. of Wisconsin
	5 M	The Major Histocompatibility Complex (MHC) & Mammalian Mate Choice	 Ms. Jesyka Meléndez* Univ. of Calif.- Berkeley
	10 A	Finding Proteins Required for Cancer Invasion	 Dr. Daniel Jay Tufts Medical School
	17 M	Neurotrophic Factor Biodynamics in Animal Models of Disease	 Dr. John Spitsbergen N. Michigan St. Univ.
	19 M	Modeling Evolution <i>in vitro</i> : Mutagenesis & Genetic Drift	 Dr. Dawn Eastmond Scripps Research Inst.
	26 M	Initiation of Messenger RNA Decay In Prokaryotes	 Dr. Sidney Kushner Univ. of Georgia
April	7	Elucidating the Effect of Sandalwood Essential Oil in the Human Breast Adenocarcinoma Cell Line MCF-7	 Ms. Carmen Ortiz * Ponce Health Sciences Univ.



# Science Area Seminar

Date	Topic	
Aug. 29 M TriBeta	Imaging Trehalose Glycolipids in <i>Mycobacteria</i>	
31 A	Workshop: Why Graduate School? Cayey to Graduate School Succeeding on Your Path!	
Sept. 12 A TriBeta	Ways to Improve Your Chances of Getting into the Best Graduate School	Come Harvard N Chicago La
19 M Chemistry Circle	Introduction to X-ray Crystallography	
21 M	RISE Proposal Session	
23	Workshop: Introduction to Neurobiology	
24 M SACNAS	Research Opportunities at Michigan State University	
26 A Math	Alan Turing and the Machine Workshop: Science Writing and Critical Thinking	
Oct. 1 M	Student Seminars SACNAS 2013 San Antonio, Texas- Talks	
8 A TriBeta	Novel Drugs Capable of Selectively Inducing DNA-Protein Cross Links are	



# Spring Seminars & Workshops 2014

Open to Public

Date	Topic	Speaker/Institution
January 20,21	Workshop Genomics My Life with Worms: Travelogue of Research with Nemertea	 Dr. Pat Phelps & Dr. J. Norenburg Smithsonian Inst.
Feb. 4 M	Carbon Dots & Chromatography: How Can They Play Together	 Dr. Luis Colon * University of Buffalo
6 M	Summer Research Opportunities at MSU Workshop Neuroscience	 Dr. William Atchison Michigan State Univ.
11 A	Interviews Opportunities in Marine Biology	 Dr. Bill Reznikoff Woods Hole Institute
13 M	Modeling Evolution <i>in vitro</i> : Mutagenesis & Genetic Drift	 Dr. Dawn Eastmond Scripps Research Inst.
18 M	New Melt Crystallization Techniques For Purification and Analysis Of Organics and Pharmaceuticals	 Dr. Andrew McGhie Univ. of Pennsylvania
20 A	Research Opportunities at Penn State University	 Dr. Ronald Redwing Penn State Univ.
25 M	Biomedical Research & How YOU can be Involved In It	 Dr. Patrick Brandt Univ. N. Carolina- Chapel Hill
March 1M	Student Seminars Proposal Day	RISE Students
4 A	Neurotrophic Factor Biodynamics in Animal Models of Disease	 Dr. John Spitsbergen N. Michigan St. Univ.
6 A	Initiation of Messenger RNA Decay In Prokaryotes	 Dr. Sidney Kushner Univ. of Georgia
13 M	Cholesterol: Friend or Foe?	 Dr. Maribel Rios * Tufts University
18 A	Research Opportunities at University of Wisconsin	 Dr. Jon Roll Wisconsin University
27 M	Examining the Potential	 Dr. Julio Soto *



# Science Area Seminars- Fall 2011\*

For all Interested Students

Achievements by Cayey Alumni

g Students to Pursue Graduate Training through Role Models

Date	Topic	Speaker/ Univ.
Aug. 25	<i>Brain Tumor + miRNA = Stem Cell??</i>	  Mr. Jessian Muñoz* New Jersey Medical School
27	Workshop:  <i>Why Graduate School? Cayey to Graduate School</i>  <i>Succeeding on Your Path in the Biomedical Sciences</i>	  Ms. Abigail Ruiz* Ponce Medical School Dr. Héctor Colón* PR Dept. of Health Dr. Zuleika Medina* University of Puerto Rico- Cayey & Mr. Jessian Muñoz* New Jersey Medical School
Sept. 15	<i>Enrichment of Phosphorylated Peptides using Group IV Metal Oxides</i>	  Ms. Lisandra Santiago* University at Buffalo
22	<i>Opportunities for Graduate Studies in Neuroscience at Michigan State University</i>	 Dr. William Atchison Michigan State University
29	Workshop:  <i>Graduate School Opportunities</i>	 Dr. Ave Alvarado COMMITTEE ON INSTITUTIONAL COOPERATION
Oct. 6	<i>Early Detection of Cancer Using Metabolite Profiling</i>	  Ms. Leiddy Alvarado* Purdue University
13	<i>Emergence &amp; Spontaneous Reactivation of Neural Traces</i>	 Dr. Marco Herrera UPR-Cayey
20	<i>Discoveries Resulting from Insect Physiology Studies</i>	 Dr. Erin McKiernan UPR-Cayey
27	<i>High Throughput DNA Sequencing</i>	 Dr. Robert Donnelly New Jersey Medical School
Nov. 3		  Dr. Roberto Zayas *



# Spring Seminars & Workshops 2012

## Open to Public



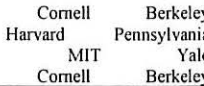







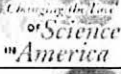



	Date	Topic		Speaker/Institution
Feb.	5 M	Research Opportunities at Penn State University		Dr. Ronald Redwing Penn State University
	7 A	Opportunities at MSU & Bridge to Neurobiology Program Workshop -Feb. 9 Bridge to Neurobiology		Dr. William Atchison Michigan State Univ.
	12 A	Cholesterol: Friend or Foe?		Dr. Laura Liscum Tufts University
	14 M	Opportunities in Biomedical Research & How YOU can be Involved In It Workshop -Feb. 15 & 16 DNA to Protein		Dr. Patrick Brandt Mr. Ernesto Perez Ms. M. Babilonia Univ. of North Carolina- Chapel Hill
	19 A	Graduate School and Summer Undergraduate Research Opportunities at North Carolina State University		Dr. Susan Carson North Carolina State University
	21 M	New Melt Crystallization Techniques For Purification and Analysis Of Organics and Pharmaceuticals		Dr. Andrew McGhie Univ. of Pennsylvania
	28 M	Luminescent Carbon Nanoparticles for Bioanalysis		Dr. Luis Colon * Dr. Connell University of Buffalo
Mar.	2M	Student Seminars Proposal Day		RISE Students
	5 A	Neurotrophic Factor Biodynamics in Animal Models of Disease		Dr. John Spitsbergen Dr. Tony Dennis N. Michigan St. Univ.
	7 M	Initiation of Messenger RNA Decay In Prokaryotes		Dr. Sidney Kushner Univ. of Georgia
	9	Student Seminars Junior Technical Meeting 2013		RISE Students
	13	Opportunities in Marine Biology		Dr. Bill Reznikoff Woods Hole Institute
	19 M	Not Every Cycle Repeats Itself: Subversion of the Host Cell Cycle by an Intracellular Pathogen		Ms. Denise De Jesus* Tufts Medical School
	21 A	Stumbling upon Science: Stories, SOD, & Scripps Grad School		Dr. Dawn Eastmond Ms. Ashley Pratt Scripps Research Inst.
April	4 M	Biomedical Tools		Mr. José Peña * Med Univ. S. Carolina



All Students are invited.






# Science Area Seminars- Fall 2012

Date	Topic	Speaker/Univ.
Aug. 30 MMM106	Herpesviral Reactivation: A Key Step for Disease Development.	 Ms. Olga Gonzalez* New Jersey Medical School
Sept. 1 NSA	Workshop: Why Graduate School? Cayey to Graduate School Succeeding on Your Path! Ms. Wendy Pacheco Ponce Medical School	 Drs. Molina & Resto*NSA University of Puerto Rico-Cayey Dr. Homero Monsanto Merck Pharmaceutical Ms. Olga Gonzalez* New Jersey Medical School Dr. Hector Colón* PR Department of Health
Sept. 11 NSA	Ways to Improve Your Chances of Getting into the Best Graduate School	 University Representatives Broad New York Brown Princeton Columbia Rockefeller
20 MMM106	Incorporation of Unnatural Amino Acids Into Proteins & Biomedical Research	 Ms. Jessica Torres* North Carolina State Univ.*
22	RISE Proposal Session	Research Students
25 MMM106	Modulating Glucose Metabolism as a Means to Attack Breast Cancer	 Dr. Steve Anderson University of Colorado
Oct. 2 MMM106	Student Seminars SACNAS Talks	 Student Speakers Ms. Claudia Colon Mr. Luis Rodrigue Ms. Melissa Medina Mr. Luis Perez Mr. Carlos Santos Ms. Marienid Flor Mr. Pablo Gonzalez Ms. Jaylissa Torre
11 NSA	High Throughput DNA Sequencing: Application for a New Technology	 Dr. Robert Donnelly Univ. Dentistry & Medicine N.
18 MMM106	Against All Odds: Challenges in Protein Crystallography and Graduate School	 Ms. Yadilette Rivera* University of Pennsylvania
23 MMM106	Research Opportunities at Univ. of Illinois at Chicago	 Dr. Francisco Piña Univ. of Illinois at Chicago
25 NSA	Research & Development on Marine Water Quality	 Dr. Roberto Marrero Univ. of Puerto Rico-Cayey * Dr. Nyree McDonald Univ. of Notre Dame
30 MMM106	Student Seminars – NIH National Meeting	 Student Speakers Ms. Krystal Ortiz, Ms. Valeria Rive Mr. Hector Cay, Mr. Carlos Baez
Nov. 1 MMM106	So You Think You Understand Nutritional Labeling? (THINK AGAIN)	 Dr. Alan Preston Univ. of Puerto Rico- Medical Science Campus
15 MMM106	Nanotechnology: Providing Tools For the Improved Diagnosis and Treatment of Cancer	 Ms. Orielyz Flores * Univ. of Central Florida
27 MMM106	Research on Stroke and HIV/AIDS & Opportunities at Case Western	 Dr. Alison Hall Case Western Reserve Univ.
Dec. 8 NSA	Student Research Seminars	RISE Students NSA

All Students are invited.

# Science Area Seminars- Fall 2010

Date	Topic	Speaker/Univ.
Aug. 31	Discovery as Discipline: An Introduction to the University of Notre Dame	Dr. Greg Sterling University of Notre Dame
Sept. 2	From the Gut to Graduate School: An Interesting Journey	Ms. Eileen Rodriguez * Michigan State University NSA
4	Workshop: Why Graduate School? Cayey to Graduate School Succeeding on Your Path!	 Dr. Sharilyn Almodovar University of Colorado Dr. Fatin Samara* American Univ. of Sharjah Ms. Eileen Rodriguez * Michigan State University NSA
14	Puerto Rican Student Contributions to Biomedical Research	 Dr. Gayle Slaughter Baylor Medical School
21	Opportunities at John Hopkins Univ., New York Univ., & Sloan Kettering NSA	Dr. Mark Doren, Ms. Matos John Hopkins Univ. Dr. Joel Oppenheimer, NYU Dr. Gita Bosch, Sloan Kettering
25	Student Seminars Proposal Presentations	BioMind/ RISE Students NSA
28	Student Seminars SACNAS National Meeting	SACNAS
Oct. 7	Next Generation Micro- & Nano- Technology	 Ms. Ivonne Ferrer * Mr. Jesus Velazquez * University of Buffalo NSA
8-9	Workshop – Next Generation Micro- & Nano- Technology	Ms. Ferrer*&Mr. Velazquez* University of Buffalo
19	Modulating Glucose Metabolism as a Means to Attack Breast Cancer	 Dr. Steve Anderson University of Colorado
21	GFP and Other Fluorescent Biomedical Technologies	 Dr. Stokes Baker University of Detroit Mercy
26	Opportunities for Studies in Neuroscience at Michigan State University	 Dr. Bill Atchison Michigan State University NSA
Nov. 2	Research on Stroke and HIV/AIDS & Opportunities at Case Western	 Dr. Alison Hall Case Western University NSA
4	Biobehavioral Influences on Cancer Growth & Progression	 Dr. Guillermo Armaiz* MD Anderson Medical School



# Spring Seminars and Workshops 2011

Date	Topic	Speaker/Institution
Jan. 27	What is a Cancer Gene doing in the Inner Ear: Oncomodulin, Calcium Signaling and Sensory Hair Cells	 Dr. Dwayne Simmons UCLA *
Feb. 1	Nanotechnology Research & Engaging the Public	 Dr. Ronald Redwing Penn State University *
3	Bioanalytical Determination Of HIV Therapeutic Drugs	 Dr. Luis Colon * + University of Buffalo
7	Workshop—How to Write a Personal statement	Dr. Elena Gonzalez
8	Summer & Graduate Opportunities At North Carolina State University	 Dr. Maria Oliver & Dr. Alison Al-Baati North Carolina State University *
10	The Road to a Chemistry Ph.D.: Organic Synthesis and Beyond	  Dr. Shelby Ellery & Dr. Dawn Eastmond The Scripps Research Institute *
15	SUSEX—What do College Students know about Sex? What do they Want to Learn?	 Dr. Schoya Cotner Univ. of Minnesota
17	DNA Damage Sensing and Repair - a Look at the Role of Genome Stability in Cancer Progression? Workshop -Feb. 18 & 19 From DNA to Protein	 Dr. Patrick Brandt Univ. of North Carolina + Dr. Rodrigo Gonzalez Univ. of N. Carolina
22	<i>Yersinia</i> Type III Secretion & Yops	 Dr. Joan Mecsas Tufts University
23	Workshop—How to Write a Personal statement	Dr. Elena Gonzalez
24	New Melt Crystallization Techniques For Purification and Analysis Of Organics and Pharmaceuticals	 Dr. Andrew McGhie Univ. of Pennsylvania *
26 Saturday	—Student Proposal Presentations	BioMinds/ RISE
Mar. 1	Biomedical Opportunities at the Univ. of Michigan	Ms. Lisa Fletcher Univ. of Michigan
3	Initiation of Messenger RNA Decay In Prokaryotes	 Dr. Sidney Kushner Univ. of Georgia



# Spring Seminars & Workshops 2010

Date	Topic		Speaker/Institution
4	Zirconia & Hafnia Materials in Bioanalysis		Dr. Luis Colon * University of Buffalo
Feb. 9	Ethics Workshop 9:00- 12:00 Summer & Graduate Opportunities At North Carolina State University		Dr. Alison Al-Baati & Dr. Maria Olivieri North Carolina State University
11	What Can I Do with a PhD? Workshop -Feb. 12 & 13 Genomic DNA to Proteins: Techniques and Applications in Biomedical Research		Dr. Pat Phelps Univ. of North Carolina
16	<i>Yersinia</i> Type III Secretion & Yops		Dr. Joan Meccas Tufts University
18	Nanotechnology Research & Engaging the Public		Dr. Ronald Redwing Penn State University
23	Use of Coupled Techniques in the Thermal Analysis of Organics		Dr. Andrew McGhie Univ. of Pennsylvania
24	Sex Education		Dr. Sehoya Cotner Univ. of Minnesota
25	Mathematical Modeling		Dr. Juan Gatica Univ. of Iowa
27 & Mar 6	Student Research Symposium		Student Proposals
March 2	Nanotechnology		Dr. Andy Greenberg Univ. of Wisconsin
4	Sensitivity of Neuromuscular Transmission to Biological Toxins		Dr. Bill Atchison Michigan State University
9	Neurotrophic Factor Biodynamics in Animal Models of Disease		Dr. John Spitsbergen North Michigan State University
11	Seminar/ Workshop -March. 12 & 13 From Dirt to Scientific Riches: Lessons in Evolutionary Biology		Dr. Daniel Colon, Dr. Luis Martinez Yale University