



## Message from the Director *Dr. Deborah Silver*

Congratulations to another graduating MBS cohort! We are very proud of our 49 graduating students and look forward to their continuing involvement in our program. We again held our graduation dinner at the Rutgers Club and pictures of the event are included in the newsletter.

This semester we held our first Alumni-Student Dinner. In addition to our current students, we were happy to see many of our graduates from last year who attended. This will be an annual event. As many of you know, Dr. Aleta You is retiring this summer. She has been with the program since its beginning and we wish her the best of luck and happiness in all of her new endeavors.

### PSM Alumni – Student Dinner

Sharing their expertise and personal advice in securing a job and transitioning from graduate school to the labor force, PSM alumni spoke at the first annual PSM-Alumni Student dinner on April 19, 2013. Panelists included Richard Carvalho, Price Waterhouse Cooper; Anya Raskin, Zone 7; Christina Pellicane, City University of New York; Apal Rasania, Johnson & Johnson; Madison Berndt, KPMG; Jen Gleba, Skila Mederi and Yves Sukhu, entrepreneur. The speakers addressed topics on strategies for finding internships and jobs, the greatest challenges they faced in adjusting to the workforce, and the most beneficial courses they took in the MBS program that helped them in their careers. In addition to the science curriculum, courses in Principles of Communication and Leadership, Finance and Accounting, Marketing, Project Management, Capstone course, Regulatory Affairs and Intellectual Property proved to be instrumental in strengthening their professional skills in the workforce. Many of the panelists recorded video segments that will appear on the MBS website soon.

The panelists mentioned that having an MBS degree gave them an edge over the competition. Prithvindra Maganti, MBS student said, “The experiences the panelists shared, reinforced the value of the MBS degree and the importance of networking and perseverance in the job market.”

### Entrepreneur Bootcamp

The Rutgers Professional Science Master's Program, in collaboration with the New Jersey Technology Council (NJTC), co-sponsored the Entrepreneur Bootcamp on April 23, 2013 at the Busch Campus Student Center. Brian Donohue, Co-Founder and Lead Developer of Echolocation was the keynote speaker followed by a distinguished panel of speakers who addressed topics for early stage entrepreneurs, individuals seeking to start a technology company, pharma and IT professionals considering a transition to another field, and a range of other topics. Attendees had the opportunity to speak to a support network of service providers and “thought leaders” with expertise in the field. All participants received an Entrepreneur Toolkit at the conference. Many of our current and former students attended this event and had the opportunity to interact with other entrepreneurs.

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### PSM at Events



PSM Alum Richard Carvalho speaks to students at the Alumni-Student dinner.



MBS alums Yves Sukhu, Shawn Chen, and Gabriel Woldegebriel networking at the Entrepreneur Bootcamp.

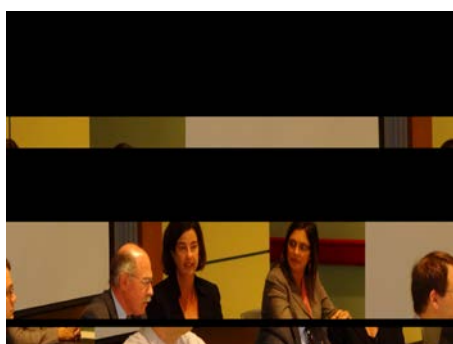


Entrepreneur Bootcamp  
L to R: Brian Donohue, Joan Praiss,  
Dr. Aleta You, Donna Levan, April 2013.

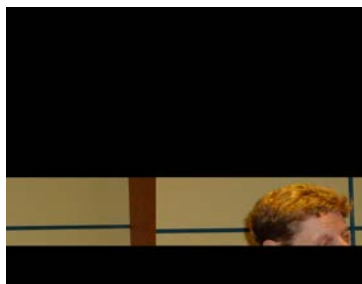
## PSM at Events



Dr. David Finegold, founder of the PSM Program, introduces Dr. James Martin.



L to R: Dr. Anthony Klone, Martin Jeiven, Carolyn Benslimane, Dr. Sangya Varma, panelists on Clinical Research.



Dr. Maria Webb, CSO of Venenum Biodesign, talks about trends in biotechnology research.



Students at the Reverse Career Fair event, March 2013.

## Distinguished Lecture Series Dr. James Martin The Transformation of HumanKind

The Professional Science Master's Program was pleased to welcome Dr. James Martin, a distinguished lecturer, writer, computer scientist, and community activist to Rutgers University on April 10, 2013. Dr. Martin persuasively stated that "this is a make or break century." Spanning the topics of overpopulation, global warming, pollution, life expectancy, technological and medical advances, Dr. Martin has stated that massive solutions are available to "giant problems." He maintains that the vast number of jobs in the future will be performed by machines and that we will eventually evolve to a leisure society. Due to advances in medicine, Dr. Martin predicts that the life expectancy of his own twin grandchildren will be 120 years.

Dr. Martin founded the Oxford Martin School at the University of Oxford, an interdisciplinary research community of over 300 scholars working to address the most pressing global challenges and opportunities of the 21<sup>st</sup> century. Dr. Martin has written 105 textbooks, some of which were seminal works that changed perceptions in the Information Technology (IT) industry. Computerworld, in its 25<sup>th</sup> anniversary issue, ranked Dr. Martin fourth among the 25 individuals who have most influenced the world of computer science.

### Additional Lectures

The PSM Program and the New Jersey Association for Women in Science co-sponsored a talk, "Clinical Research – A Path Not so Less Travelled," on October 11, 2012. The panelists included Dr. Sangya Varma, PSM Associate Director for Academic Affairs and Curricula Development, Mr. Martin Jeiven, President & CEO, Jeiven Pharmaceutical Consulting, Carolyn Benslimane, Recruiter at Valesta Clinical Solutions, and Dr. Anthony Klone, Senior Medical Writer, Tricore. The speakers addressed clinical research and the different career options that are available in this field.

On November 15, 2012, Dr. Maria Webb, CSO of Venenum Biodesign, addressed the topic, "The Pivotal Role of Vertical Integration in Biotechnology." Dr. Webb focused on the pharma industry, the business models, market, and scientific drivers for change. Venenum Biodesign is a pharmaceutical biotechnology company and member of the Genesis Biotechnology Group that focuses on advancing drug programs at novel biological targets.

On April 16, 2013, Dr. Leslie Harris, Director of Regulatory Affairs from Dr. Reddy's Laboratories gave a presentation, "The Blind Men and the Elephant- Drug Development in the Pharmaceutical Industry." She introduced students to the interdisciplinary field of drug development and the importance of working with different departments when bringing a drug to market.

## PSM and RAPS Poster Session

The *Fundamentals of Regulatory Affairs* course had its final poster presentation at the NJ RAPS chapter meeting on April 30 in the Life Science Atrium. More than 90 people attended this event including students, faculty and industry representatives. Students presented posters in a “Mock-FDA” type meeting. The RAPS professionals judged the posters.

The regulatory course is taught by Dr. Sangya S. Varma, PSM Associate Director for Academic Affairs and Curricula Development. Several guest speakers, who are current professionals and experts in industry, were invited to share their knowledge with the students. They included Regulatory professionals from Bristol-Myers Squibb, Jersey Shore University Medical Center, Bayer Healthcare, and Sanofi US.

The Regulatory Affairs Professionals Society (RAPS) is the largest global organization for those involved with the regulation of healthcare and related products, including medical devices, pharmaceuticals, biologics and nutritional products. Learn more about the benefits and services of RAPS membership at <http://www.raps.org>

## Biotechnology and Capstone Presentations

On May 1, 2013, students in the capstone course gave oral presentations based on their research and coursework. Students were instructed on creating business plans for technology startups. Teams of four to five students presented their business plans to a panel of judges from industry, Rutgers faculty and their peers. The panelists acted as venture capitalists to determine which project was worth investing in. The capstone course is a project-based course covering the fundamentals of entrepreneurship, intrapreneurship, innovation commercialization, and intellectual property.

On May 2, 2013, students in the NextGen Biotechnology and Genomics course presented posters based on an assigned class project. The goal of the project was to identify an area of biotechnology and genomics that is, or will be, important in the 21st Century and relate recent developments in a specific technology to potential or actual applications. These presentations were intended to show how biotechnology and genomics can, and will, contribute to addressing fundamental problems in human health, agriculture, the environment, microbiology, diagnostics, and sustainability. A panel of judges from industry and academia evaluated the poster presentations with a small prize awarded to the winners. Students in the Enterprise Software Architecture course also presented their information technology designs in the final presentation for that class.

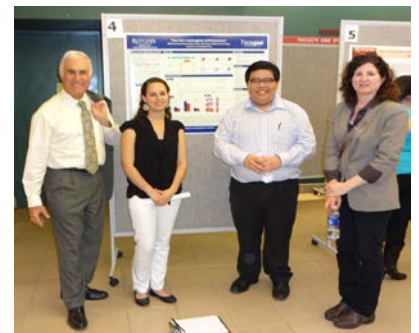
## PSM at Events



Dr. Sangya Varma and Dr. Purna Chand Sishta welcome everyone to the PSM Regulatory Affairs Poster session.



Students in Regulatory Affairs course, Spring 2013.



Dr. Deborah Silver, far right, with PSM students and an industry representative at the Next Gen Biotechnology poster session, May 2013.



Students at the Professional Etiquette in Workforce Workshop, Spring 2013.



## Rutgers Makerspace

Need a place that fosters innovation and invention? The Rutgers Makerspace, located at the Center for Innovation on the Livingston campus, provides students, educators, and entrepreneurs with a learning hands-on environment that is part classroom, part workshop and part think tank.

Also known as hackerspaces, fab labs, and makelabs, makerspaces are creative laboratories where members with common interests such as engineering, computer programming, inventing, graphic design, and others gather to share resources and knowledge, network, and build things. The Rutgers Makerspace seeks to establish strong academic ties with New Jersey's K-12 community, Higher Education and to provide technical guidance and consultation to K-12 libraries, museums, and other public entities desiring to create new spaces. For further information visit <http://makerspace.rutgers.edu> or contact Stephen Carter, Co-Director, at [scarter@rutgers.edu](mailto:scarter@rutgers.edu).

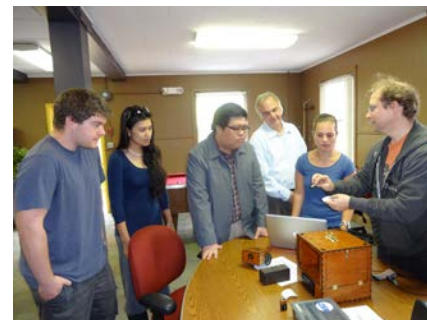


L to R: Dr. Deborah Silver, Executive Director of the PSM Program, congratulates Dr. Aleta You on her retirement.

## Farewell to Dr. Aleta You

Dr. Aleta You, Associate Director, will retire on July 1, 2013. Dr. You's decision to retire closes a remarkable career of nearly 26 years of continuous service to Rutgers University. Dr. You was a strong leader who contributed significantly to the growth of the PSM program during its formation. The PSM Program is grateful for her numerous contributions and her distinguished career over the last 26 years at Rutgers. Dr. You leaves a legacy that puts students first and clearly positions the PSM Program for continued growth in the future. Dr. You will relocate to Colorado to spend more time with her family, do some traveling, pursue her passion for Biblical research, ballroom dancing and writing.

## PSM at Events



PSM Students, along with Stephen Carter, watch a demonstration by Rick Anderson at the Rutgers Makerspace.



PSM Students visit the Rutgers EcoComplex in Burlington County, NJ.



Sarah Malmstrom, Bristol-Myers Squibb and Ashley Kark, CCS Cell Culture Service, speak to students after their workshop, "The Art of Networking."



PSM Students at the Internship Presentation event, May 2013

## Rutgers PSM Graduation

The Rutgers Professional Science Master's Program celebrated the graduation of forty-nine students at the Rutgers Club on May 7, 2013. Dr. David Finegold, PSM founder, congratulated the students on their achievements and told them that as they entered the workforce, they would be ambassadors for the program. Dr. Finegold encouraged the students to stay connected with the program by informing current students about internship and job opportunities in the workforce.

### October 2012

Anthony E. Marcketta – *Biotechnology & Genomics (Bioinformatics)*  
Avni V. Patel - *Biotechnology & Genomics*

### January 2013

Leticia Aquino - *Biotechnology & Genomics*  
Michael G. Bastidas - *Urban Environmental Analysis*  
Christina M. Berndt – *Drug Discovery & Development*  
Lauren E. Citro – *Food Science*  
Mario A. Cornejo - *Biotechnology & Genomics*  
Hayley S. Hall - *Drug Discovery & Development*  
Brittany N. Internoscia - *Biotechnology & Genomics*  
Elizabeth Knolmayer - *Urban Environmental Analysis*  
Angela Y. Lee – *Drug Discovery & Development*  
Joseph J. Mason - *Kinesiology and Applied Physiology*  
Peter Park - *Biotechnology & Genomics*  
Sehul Patel - *Biotechnology & Genomics*  
William P. Pennington - *Information Technology*  
Amarjith Prasad - *Information Technology*  
Kiran Salgarkar - *Information Technology*  
Aditi Shah - *Drug Discovery & Development*  
Niyati Shah - *Biotechnology & Genomics*  
Sahil P. Shah - *Biotechnology & Genomics*  
Devraj Maheshbhai Swaminarayan - *Food Science*  
Farrah Syed - *Chemical & Biochemical Engineering*  
Atiya Taqui - *Drug Discovery & Development*  
Khyati A. Valand – *Food Science*  
Morgan H. Violette – *Urban Environmental Analysis*

### May 2013

Amreena Akram - *Information Technology*  
Suleyman K. Betin - *Engineering Management*  
Jamie L. Bradley - *Actuarial Science*  
Aysegul Celik - *Statistics & Biostatistics*  
Taimour Jawaid Chaudhary - *Pharmaceutical Engineering*  
Emily Yi Chen - *Drug Discovery & Development*  
Steven H. Le - *Biotechnology & Genomics*  
Chi-Yeh Lee – *Drug Discovery and Development*  
Bozhen Liang - *Information Technology*  
Angela N. Melillo - *Food Science*

## PSM at Events



Dr. Deborah Silver, far left, with PSM students at the Graduation Dinner.



Dr. Marilyn Tremaine, fourth from left celebrating with MBS students at Rutgers Club.



L to R: David Namole, Dr. Sangya Varma, Marcus Crews Standing: Chi-Yeh Lee, Dr. Shamsi Raeissi at the Graduation Dinner.

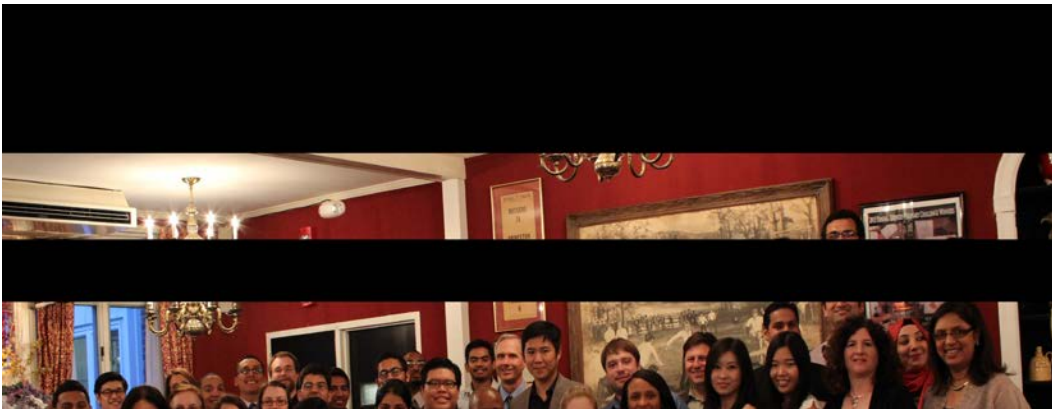


L to R: Devraj Swaminarayan, Dr. Paul Takhistov, Khyati Valand, Lauren Citro, Taimour Chaudhary at the Graduation Dinner.



**May 2013 continued**

Lekotoane David Namole - *Drug Discovery & Development*  
 Nipa M. Patel - *Kinesiology and Applied Physiology*  
 Christopher R. Pflaum - *Biotechnology & Genomics*  
 Matthew Puzio - *Engineering Management*  
 Apal Rasanias - *Statistics & Biostatistics*  
 Mihir D. Sarwade - *Biotechnology & Genomics*  
 Neha R. Shah - *Biotechnology & Genomics*  
 Yves Sukhu - *Information Technology*  
 Tiffany S. Tsui - *Kinesiology and Applied Physiology*  
 Nasir Uddin - *Biomedical Engineering*  
 Bond L. Wann - *Kinesiology and Applied Physiology*  
 Margaret Elizabeth Warren - *Biotechnology & Genomics*  
 Andrew Chad Watson - *Sustainability*  
 Jeffrey J. Wiseman - *Sustainability*



### *Congratulations MBS Graduates 2013!*

#### **MBS Career Lunch**

Every month, the PSM program runs a “career lunch and learn” event. PSM staff and students get together to discuss career opportunities and job prospects. Students are asked to bring their CVs and their potential job announcements to the lunch for the discussion.

#### **Rutgers PSM Program in the News**

One of our recent PSM graduates, Andrew Chad Watson, was highlighted in a February 10, 2013 article in *Diverse Issues in Higher Education*. Mr. Watson accepted a job as a project engineer at PSE&G in South Plainfield, N.J. He credits the MBS program with giving him a competitive edge by combining science innovation with strong business curriculum. In addition, Blue Focus Marketing also featured an article about the MBS program on their website. The MBS degree prepares students with the necessary technology and entrepreneurial skills for today’s competitive job market.

<http://psm.rutgers.edu/resources/newsletter>

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L to R: Dr. Barbara Zilinskas, Steven Le, Margaret Warren, Brittany Internoscia, Mario Cornejo, Dr. Paul Meers, Christopher Pflaum at the Graduation Dinner.



L to R: Bond Wann, Dr. Aleta You, Aysegul Celik at the Graduation Dinner.



Dr. Deborah Silver congratulates Andrew Chad Watson during Commencement Day on the Busch Campus, May 19, 2013.



L to R Dr. Sangya Varma, Elizabeth Knolmayer, Michael Bastidas and Dr. Deborah Silver during Commencement Day on the Newark Campus, May 23, 2013.