



College of Pharmacy and Allied Health Professions

2011-2012 Annual Report

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2011-2012 Annual Report

College of Pharmacy and Allied Health Professions

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2011-2012 Annual Report

College of Pharmacy and Allied Health Professions

2011-2012 was a successful year for the College of Pharmacy and Allied Health Professions. We respectfully submit this Annual Report.

I. Challenges and Responses

A. College Name Change

The University's Board of Trustees approved a change in the name of the College from the College of Pharmacy and Allied Health Professions to the College of Pharmacy and Health Sciences at their May 9, 2012 meeting.

Since 1971, the College of Pharmacy and Allied Health Professions has enjoyed a rich tradition of educating pharmacists, allied health professionals and graduate students in the pharmaceutical and biomedical sciences. The Association of Schools of Allied Health Professionals (ASAHP) notes that "allied health professionals are involved with the delivery of health or related services pertaining to the identification, evaluation and prevention of diseases and disorders; dietary and nutrition services; rehabilitation and health systems management, among others. Allied health professionals, to name a few, include dental hygienists, diagnostic medical sonographers, dietitians, medical technologists, occupational therapists, physical therapists, radiographers, respiratory therapists, and speech language pathologists."

Although the name College of Pharmacy and Allied Health Professions has served the College well, programs currently offered in toxicology and the future growth of the College into areas that include the Master of Public Health, B.S. in Biomedical Sciences and perhaps other programs, do not fit within the traditional definition of allied health professions that is provided by ASAHP. Therefore to better reflect the current structure of the College as well as the addition of new programs of study, it was requested that the name of the College be changed to the College of Pharmacy and Health Sciences. We are grateful for the support that was provided by the University's Central Administration and Board of Trustees that resulted in the approval of this request.

B. Accreditation Status and Progress

The College was pleased that Accreditation Council for Pharmacy Education (ACPE) granted the Pharm.D. program the maximum six-year period of accreditation (2010-2016). The College is however required to submit an Interim Report to ACPE in October 2012 that will address specified areas of concerns. The College continues to work diligently to implement new initiatives to address those areas of concern which include:

- A brief description of the success of the College in engaging students and faculty in the annual planning process for 2012-13.
- A brief description of the effectiveness of the newly formed Office of Assessment; ongoing assessment activities relating to the achievement of the

PharmD program's mission and goals and ongoing assessment of individual department goals.

- A brief description of evidence that the admission target of 300 students per freshmen class is being adhered to, that adequate resources to support the large classes are being maintained, and an assessment of the effectiveness of the revised admission requirements.
- The College will also include a brief description of the effectiveness of the new intervention and monitoring process for students experiencing progression difficulties, a brief description of continued progress in securing adequate ambulatory care sites and a brief description of the results of the preceptor survey regarding remote library access and of any progress that has been made with securing desired access for interested preceptors.

The College has also begun to prepare for the development of its next ACPE Self-Study (that will be due in Summer 2015). Co-chairpersons the Self-Study process have been selected.

The Clinical Laboratory Science program had a successful site visit by the National Accrediting Agency for Clinical Laboratory Science (NAACLS) in October 2011 as the program was granted five years of continuing accreditation. The program's current accreditation status will expire on April 30, 2017.

The Radiologic Sciences program was last visited by the Joint Review Committee on Education in Radiologic Technology (JRCERT) in August 2007. After review of the progress report in October 2008, the JRCERT granted St. John's University a period of three years of continuing accreditation. An additional progress report was required by January 31, 2009. The College also submitted a substantive change request to JRCERT in March 2009 to alter the degree awarded from a Certificate to a Bachelor of Science. After reviewing these reports the JRCERT awarded continuing accreditation to 2012.

JRCERT advised the College that the next site visit would be conducted May 2012 however JRCERT opted to delay this visit. (the College is still waiting for confirmation of the site visit date). After working closely with Dr. Dorothy Habben, Vice President and Secretary of the University, the self-study report was submitted to JRCERT in November 2011. Upon review of the self-study report, JRCERT requested additional information and the Program Director worked closely with the Department Chair and the Dean to address these requests. This reaccreditation process will continue into the next fiscal year.

The physician assistant (PA) program was last visited by the Accreditation and Review Commission on Education for the Physician Assistant (ARC-PA) in October 2006 and was granted 5 years of continuing accreditation (from March 2007 – March 2012). On December 7, 2010, the program director received e-mail notification from the ARC-PA requesting to change the originally scheduled October 2011 site visit to St. John's University to October 2012. The current accreditation status will expire on March 7, 2013. The College is working closely with Dr. Dorothy Habben, Vice President and Secretary of the University, to complete the self-study report which must be submitted to

ARC-PA no later than August 16, 2012. This reaccreditation process will continue into the next fiscal year.

C. Pharm.D. Class of 2016

The larger than anticipated Fall 2010 incoming Pharm.D. freshmen class continued to bring additional challenges to the College in 2011-12. A comprehensive six-year resource plan was developed and approved by Fr. Harrington to address the needs of the additional 144 students who enrolled in the program as freshmen. This plan was submitted to ACPE following its approval by the University. The documentation of the fiscal support that is provided for this class as well as the academic experiences and progress of these students will be a major focus for the Interim Report that is due to ACPE in October 2012.

The renovation of laboratory room 140 in St. Albert Hall (that was completed in July 2011) addressed significant concerns regarding the need for addition space for organic chemistry laboratory instruction of pharmacy majors in Fall 2011 and biopharmaceutical chemistry laboratory instruction in Spring 2012. This new facility alleviated the need for immediate additional laboratory space for the instruction of pharmacy students and avoided a scheduling crisis in 2011-2012. It will also assist the college with future scheduling challenges for needed laboratory instruction space for the health sciences programs and the Pharm.D. program in subsequent years.

Preparing to accommodate for the experiential education needs of the Pharm.D. Class of 2016 has been a major challenge for the College. The PharmD Class of 2016, currently entering their 3rd year in the PharmD Program has approximately 150 additional pharmacy students than the College usually places in experiential training. Each of these students requires 312 hours of Introductory Pharmacy Practice Experiences (IPPE) between Spring of their 3rd year through Summer of their 4th year. These students also require 1440 hours of Advanced Pharmacy Practice Experiences (APPEs) during Spring of their 5th year through the Fall semester of their 6th year. The experiential sites currently available to the PharmD Program are not sufficient to accommodate these extra 150 students. Competition from other schools of pharmacy for experiential education in the metropolitan area has also increased with the opening of new schools and students traveling back home from out of state to the NY area to complete their experiential hours in our area. The College has been recruiting new sites when available. In addition, students in the Class of 2015 were enrolled in IPPEs earlier than students in the previous year were to free up sites for the Class of 2016. Extensive discussions have been taking place regarding the approved resource plan to accommodate for the increased IPPE as well as APPE needs for this Class.

In November 2010, Accreditation Council for Pharmacy Education (ACPE) stated that up to 60 hours (20%) of these IPPE hours can be simulated experiences. This new amendment to the ACPE standards now allows us to explore alternative IPPE on-campus experiences. This on-campus simulation experience will improve the Doctor of Pharmacy student's educational experience by transitioning the students learning from didactic to a reinforcement of material before the student's practice experience. After evaluating our curriculum, we established that a simulation experience would be feasible. The Clinical Pharmacy Practice department proposed a simulation experience that would

reinforce the didactic course material taught in the previous semesters. This 60 hour simulation experience is designed to improve the student's educational experience by standardizing their learning, and providing a stronger foundation for their later pharmacy practice experience at both the institution and community settings. During Fiscal Year 2011-2012, the College was granted a term faculty position to facilitate and implement this simulation experience curriculum. This response to ACPE was one of the initiatives which assisted our experiential learning challenge that we faced from the PharmD Class of 2016.

D. Establishing New Academic Programs

Master of Public Health (MPH): The University Board of Trustees approved the new Master of Public Health (MPH) program at its September 28th, 2011 meeting. With this approval, the College began to work with Dr. Dorothy Habben, Vice President and Secretary of the University, to apply for the New York State Education Department (NYSED) approval.

The MPH application required external evaluation reports and responses to any weaknesses and concerns raised by the reviewers, which must be submitted along with the registration application to the NYSED. The three approved external evaluators were Dr. Alice J. Hausman of Temple University, Dr. Cheryl Merzel of Albert Einstein School of Medicine and Dr. Jeanne Stellman of Columbia University. Once all three evaluation reports are received, one of the evaluators will be selected to perform the required onsite evaluation. After the site visit, the evaluations and the College's responses will be attached to the registration application and submitted to NYSED. This process will continue in Fiscal Year 2012-2013.

The College received approval to recruit the Director of the MPH program, who will also serve as the core faculty member for this program. The Director will be responsible to leading the program, implementing, recruiting, planning for the first incoming class, projected to begin in Fall 2013 or Fall 2014.

M.S. in Physician Assistant (MSPA): After extensive discussions and review of the curriculum for a new M.S. in Physician Assistant (MSPA) program of study, the program was approved by the College Faculty Council and the University Graduate Council. The proposal was then submitted to and approved by the University Board of Trustees at their May 9th, 2012 meeting. The College is currently beginning to prepare the application to the NYSED, along with obtaining the required external reviewers to evaluate the proposed program. The College will also be required to prepare and submit the accreditation application to ARC-PA. The first incoming MAPA class is expected to be enrolled in Fall 2014. Program specific leaders, faculty members, and administration will not change from the current structure supporting the B.S./Certificate program. The B.S./Certificate program will be phased out as the MSPA program is implemented.

B.S. in Biomedical Sciences: In September 2011, the College Curriculum & Educational Policy Committee was charged with developing a Bachelor of Science degree in Biomedical Sciences. This undergraduate degree was designed so that the first two years of the program will be similar to the BS in Clinical Laboratory Sciences and identical to

the first two years of a new Doctor of Pharmacy curriculum (please see below). The BS in Biomedical Sciences program provides a solid foundation in the basic sciences which will enable students to pursue different avenues of opportunity in the biomedical sciences depending on their goals and interests. The curriculum is designed to provide students with a strong background in biomedical science and then an opportunity to track into one of two fields of specialization: i.e. administrative science or basic science. Students completing this Biomedical Sciences program will be prepared to enter graduate programs within our college including MPH, MSPA, MS in Pharmaceutical Sciences and MS in Pharmacy Administration as well as Doctoral program in Pharmaceutical Sciences. Additionally, depending upon the track chosen, this program may prepare students to continue his/her education in other graduate/ professional schools in, medicine, dentistry, veterinary medicine, biological sciences, podiatry, business administration, health care administration or law. Students will be exposed to skill sets which are necessary in a competitive ever changing job market especially in the pharmaceutical, biotechnology, and biomedical industries and health care. This program was approved by the St. John's University College of Pharmacy and Health Sciences Faculty Council. The College is now preparing to submit a new program proposal to the University Board of Trustee. The College plans to submit this proposal within the next fiscal year.

New Pharm.D. Curriculum: The Doctor of Pharmacy Curriculum and Educational Policy Committee was charged in 2011-2012 to continue to work on developing a new Doctor of Pharmacy program curriculum. The Committee continues to work on the framework of revising the curriculum, while maintaining the current 0 – 6 structure with a common basic curriculum for the first two years across all entry level majors in the College. The need to redirect the 17 credits from years one and two of the current program into the professional years has been challenging and has slowed the Pharm.D. curriculum development process. A proposed revision was presented to the faculty members in a Faculty Forum on May 7, 2012. Feedback from the Forum will be used by the committee as it begins its deliberations again in September with a second Forum being scheduled in September 2012.

II. Repositioning the Strategic Plan 2011-2014

A. Overall Student Experience and Retention Rates

There were a total of 946 visits to the University Writing Center by students in the College of Pharmacy and Health Sciences. The average earned hours was 33 and the average number of visits was only 1.5 times. The majority of the visits were by first year students (666) of which 492 were Doctor of Pharmacy students which probably is due to the relatively large class size. There were 10 visits from the Clinical Laboratory Sciences students, 30 visits from the Radiologic Sciences students and first year Pharmacy Administration graduate students, 40 visits by Toxicology students, 688 PharmD students, 161 Physician Assistant (PA) students and 17 visits by first year Pharmaceutical Sciences graduate students. The number of visits tend to decrease with the number of years in the program, i.e. 112 first year PA students visited while there were only 7 visits

from third year students. This indicates the emphasis of writing development in the University's Core Curriculum in the first two years of the College.

Improvement of retention rates for the Physician Assistant program: Every semester, the math/science and cumulative GPAs for each freshman and sophomore student is reviewed to ensure that they are in good academic standing. Students in the Physician Assistant major are required to maintain a minimum 2.70 cumulative GPA and the minimum 2.70 math/science GPA to be in good academic standing in order to progress in the major. The University Freshman Center's academic advisors assigned to PA students intervened with students on a more frequent basis and in an earlier time frame than in previous years to improve the retention rate for the freshman year. The advisors reach out to students as soon first exam grades are available to assist them earlier in the semester. Through early intervention via individual meetings and emails, the advisors can identify students who are in danger of falling below the major's academic requirements. Students and advisors discuss their options to change into another major at St. John's University during the fall and spring semesters so that they can adjust their schedules for courses and majors that may better suite their goals.

In addition, the freshman curriculum for Physician Assistant majors includes ALH 1201 Introduction to Health Care. This course is instructed by faculty from the Department of Pharmacy Administration and Allied Health Sciences, including a professor from the didactic year of the Physician Assistant major. Students are introduced to the physician assistant professional's role in health care as a means to promote their understanding of their intended profession.

Improvement of retention rates for other academic programs: No plan had been developed to improve retention in the Doctor of Pharmacy program as retention has been well above the norm, especially as it relates to the first to second year transition (97.4% in major and 98.7% retained within the University). As for other undergraduate programs, including Radiologic Sciences, Clinical Laboratory Sciences, and Toxicology, no plans were developed to improve retention rate from freshmen to sophomore year.

B. Transitioning to Employment

Review of current curricula: The Doctor of Pharmacy Curriculum and Educational Policy Committee was charged this year with reviewing the Doctor of Pharmacy program curriculum that was developed and submitted to the Dean in May 2011. The Committee continues to work in the framework of revising the curriculum as a 0 – 6 program with a common core for the first two years across all entry level majors in the College. The need to redirect the 17 credits from years one and two of the current program into the professional years has slowed the revision process. A proposed revision was presented to the faculty members in a Faculty Forum on May 7, 2012. Feedback from the Forum will

be used by the committee as it begins its deliberations again September with a second Forum being considered in September 2012. The Committee is also moving forward with plans to establish a template for all programmatic syllabi.

The College continues to collaborate with the Career Center through the University's Internship Committee. Our Career Center liaison attended all sections of CPP 1101, Introduction to Pharmacy Practice, to orient all pharmacy students on the services provided by the Career Center. Additionally, the Career Center assisted in the remediation process of students who failed the communication component of the third year progression interview. A total of 12 students successfully completed the remediation procedure in Spring 2012. Expansion into other programs is being considered.

All Pharmacy students will complete approximately 1800 hours of internships during the professional years of the program. Students begin their experiential training at Community and Hospital pharmacies in the fourth year and continue through the Fall of sixth year in the Advanced Pharmacy Practice experiences (APPEs). The APPEs represent nine one month patient focused or elective rotations in various practice settings. All experiential experiences are graded and driven by an approved syllabus. The College is currently affiliated with over 165 healthcare sites and over 800 preceptors. Students primarily utilize practice in the metropolitan area but have occasionally gained experience at more distant sites such as the Federal Drug Administration (FDA) in Washington, DC and the U.S. Public Health Service in North Carolina. Based on our metropolitan location and diversity, students get exposed to wide depth and breadth of various patient populations and management experiences.

The overall pass rate on the North American Pharmacist Licensure Examination (NAPLEX) for 2011 for first time takers was 90.53% and for Multistate Jurisprudence Exam (MJPE) was 93.53%. These data are reflective of the calendar year and encompass students primarily from our May 2011 graduation class. In response to the current NAPLEX results as well as the University's Repositioning Plan, the College developed a Comprehensive NAPLEX Improvement Plan that was approved in November 2011. As part of this plan, new resources including Access Pharmacy, an online reference library which includes NAPLEX and MJPE review materials, the Pharmacy Curriculum Outcomes Assessment (PCOA) tool and Pre-NAPLEX exam were made available to students in the Spring 2012. A total of 235 of 239 graduating seniors took advantage of the Pre-NAPLEX exam tool. Outcomes are currently being collected. Additionally the College asked every student to permit the transmission of their individual scores to the College. This will allow us to correlate NAPLEX and MJPE results to the courses of the curriculum. The raw data from the PCOA tool was recently received by the College and individual reports are being provided to students. A complete evaluation of the PCOA data will be provided to the Faculty in the Fall 2012 semester. The College is also closely monitoring students who fail to demonstrate adequate progression through the

Pharm. D. student progression committee. In 2011-2012, seven Pharm.D. students had academic plans developed to address deficiencies and five were successful in meeting the plan requirements. Other more long term components of the plan involve curricular revision and progression and academic standing policies which will be addressed by the College's Doctor of Pharmacy Curriculum and Educational Policy Committee in 2012-13. The outcomes for the NAPLEX Improvement Plan will be reported to the College's Faculty Council on a quarterly basis.

In the Physician Assistant program, students transition to the workplace with the assistance of their faculty members and clinical preceptors. Seniors receive job opportunities directly from their clinical placements and are then hired upon passing their licensing exam. The program director and the clinical coordinator maintain a relationship with the preceptors and are kept informed of any employment opportunities at their specific sites as well as in the industry. As members of the Physician Assistant Education Association (PAEA), the faculty members teaching in the professional courses of this major are placed on a list serve. The list serve provides employment opportunities within the industry. Professional recruiting agencies affiliated with local hospitals also contact the program director and the clinical coordinator with employment opportunities that are then shared with the senior class. Upon completion of all professional courses, students are eligible to sit for the Physician Assistant National Certifying Exam (PANCE). The pass rate for the class of 2011 was 78%.

In response to the performance on the 2011 exam, the PANCE Improvement Plan was implemented. With the recently approved purchase of Exam Master Online for Physician Assistant Studies and Exam Master Online Academic Manager for Physician Assistant Training, it is anticipated that these software programs will assist our students in their preparation for PANCE. This will also assist our faculty as they prepare students for the board exam as well. This software may also be used to prepare students for their Comprehensive Exam, completed at the end of their junior year/didactic courses. Considering that PANCE is based primarily on the didactic year courses, the Comprehensive Exam is expected to assist faculty members and students to pinpoint their strengths and weaknesses as they prepare for the board exam throughout their clinical year. Additional preparation for the Comprehensive Exam may assist in preparing students for the PANCE upon graduation. Changes in the leadership in the Physician Assistant program are expected to be a positive impact in the near future as well. The implementation of the M.S. in Physician Assistant will also place our students on a consistent national level. Nationally, the majority of students who take the PANCE are in a graduate Physician Assistant programs whereas the majority of our students are undergraduate students completing their first baccalaureate degree. Supplementary support for students during the didactic year may be further investigated in an attempt to

facilitate a more successful pass rate on the PANCE. This will continue to be an ongoing improvement process.

The transition to the workplace is facilitated in the Radiologic Sciences program by the faculty members of the professional-level courses and the program director. Seniors often receive job opportunities through their clinical placements and are then hired upon passing their licensing exam. Preceptors and regional managers for each clinical site reach out individually to the program director and didactic faculty members when an employment opportunity is available at their facility. In preparation for these employment opportunities, the faculty members assist students with their resumes and are seeking methods of collaborating with the Career Center for assistance. Upon completion of all professional courses, students are eligible to sit for the New York State Radiologic Technology Licensing Examination and American Registry of Radiologic Technology Certification in Radiography. The pass rate for the class of 2011 was 100%.

The transition to the workplace in the Clinical Laboratory Sciences major is facilitated by the clinical preceptors and the program director. The hospitals in which the students complete their clinical rotations often offer employment opportunities directly to the student. These same hospitals present information to students during their senior year as their own recruitment efforts. In addition, the program director provides students with employment opportunities received from professional organizations and local hospitals. Upon completion of the clinical year, students are eligible to sit for the American Society of Clinical Pathologists (ASCP) certification exam. The pass rate for the class of 2011 was 79%.

The Toxicology program provides students with opportunities to pursue graduate programs in Toxicology, medicine, dentistry, and allied health professions. Although the majority of students enter a graduate program upon completion of their B.S. degree, students who choose to enter directly into the workforce are assisted with placement by the Career Center and their faculty members. The Toxicology faculty members in the Department of Pharmaceutical Sciences inform students of employment opportunities received from their professional associates in the Federal Drug Administration (FDA), Environmental Protection Agency (EPA), as well as from the industrial forums. Students who take advantage of the research opportunities within the Department of Pharmaceutical Sciences can network with their faculty members and peers at local and national Toxicology conferences. All students are motivated to attend the annual Mid-Atlantic Regional Chapter of the Society of Toxicology (MASOT) and Society of Toxicology (SOT) conference with their Toxicology faculty members. At SOT, students are provided with the opportunity to present their research at this national meeting. In addition, they attend workshops and social events in which they interact with leaders in the profession while learning about career opportunities in their discipline on a national level. They are exposed to Toxicologists from around the country while demonstrating

their research strengths at their poster presentations. Students also have the opportunity of displaying their research at the Toxicology Expo. During this annual campus event, students discuss their research with faculty members and distinguished guests. The invited keynote speaker is typically an alumnus from the St. John's University Toxicology program and dedicates specific time to discuss career opportunities with the students.

C. Global Education and Distance Learning

The College continued to expand the participation in Global Studies in 2011 – 2012. In an effort to provide more students with a short term study abroad experience the College, in collaboration with the Office of Global Studies, redesigned the program for sixth year Pharmacy students. Beginning in August 2011 Sixth year Pharmacy students have the opportunity to study in Rome with a full-time faculty in one pharmacy elective course. Students complete this course in one month when the students do not have an Advanced Pharmacy Practice Experience, APPE. Originally the College offered three electives to students in Fall 2011 and two courses attained adequate enrollment. Dr. Judith Beizer instructed CPP 6104 Geriatric Pharmacotherapy in September 2011 and Dr. Gladys El-Chaar instructed CPP 6108 Pediatric Pharmacotherapy in October 2011. Enrollment in these courses was 23 and 39 students respectively. This represented an almost fivefold increase as compared to the number of student who completed the sixth year elective in Spring 2011 (13 vs. 62). Registration for the program in Fall 2012 is currently 60 students for two courses offered.

Response to the Discover the World – Pharmacy program in Spring 2012 was dramatically higher due to the fact that the enrollment in the second year of the Pharmacy program was so large. At total of 152 students applied for the program as compared to 90 the previous year (An increase of 68%). In an effort to accommodate more students in the program, the DTW-Pharmacy program was increased to 60 students (up from 45 in 2011) and a second option was developed for a semester in Rome for Pharmacy students. A total of 87 students (60 in DTW –Pharmacy and 27 in the Rome program) completed semester abroad in Spring 2012, more than doubling enrollment from Spring 2011. Currently the DTW-Pharmacy program has 99 applications and 60 deposits for Spring 2013.

Feedback from students in both programs has been overwhelming positive. With over 149 students participating in study abroad programs in 2011-2012 the College met one of its goals in the College Strategic Plan to increase enrollment in global initiatives to 150 students per year by 2013. Two sections of PAS 2201 Introduction to Pharmacoeconomics (14 and 13 students respectively) were offered as distance learning courses to the students in Rome.

A distance learning option for the Master of Science in Pharmacy Administration with specialization in Regulatory Affairs/Quality Assurance (RA/QA DL) Program was submitted for approval by the Pharmacy Administration and Allied Health Sciences department in February 2012. Currently, the program is under review by the New York State Education Department (NYSED) for final approval. Additional information was requested by the NYSED to address program-specific issues in June 2012. Dr. Jeffrey Olson, Associate Provost and Director of Library and Information Science, is preparing the response to address those issues listed in the Application to Add the Distance Education Format to a Registered Program. To prepare for the launch of the new DL program, five additional full-time faculty and one additional adjunct faculty members have completed the Distance Learning Pedagogy I course and are eligible to offer a course in the distance learning format. We are currently in the process of recruiting additional adjunct faculty members to offer more courses in the distance learning format.

D. Learning Outcomes

The College's Office of Assessment continues to work closely with the Committee on Assessment to engage in relevant and important assessment activities. The outcomes of data analysis are evaluated and action plans to address areas in need and action plans developed where appropriate. Data collected include for the Doctor of Pharmacy program: NAPLEX results; MPJE results; High stakes fifth year Competency Examination; third year Progression results; AACCP surveys of graduating students, preceptors, faculty and alumni; PCOA results; and face-to-face Graduating student interviews.

Learning outcome benchmarks and data for Weave Online are collected for Health Sciences Programs: Physician Assistant, Radiologic Sciences and Clinical Laboratory Sciences as well as for the BS in Toxicology program, graduate programs (MS and PhD) in Toxicology, Pharmaceutical Sciences and Pharmacy administration.

Additional assessments included a Clinical Pharmacy department opinion survey of all students in the Drugs and Disease course sequence (fourth through sixth years), the creation of an assessment document manifest with deadlines and responsible party for the data reporting. The College through the Office of Assessment maintains an alumni database and a Pharmacy Alumni Facebook page.

III. Accomplishments

Department of Clinical Pharmacy Practice

A. Publications

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Case Reports

See S, Hendriks E, Hsiung L. Akathisia induced by gabapentin withdrawal. Ann Pharmacother 2011;45:e31.

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Superwarfarin-associated Coagulopathy: A Case Report on Bromadiolone Toxicity
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Abstracts

Sinvani L, **Beizer J**, Akerman M et al. Medication reconciliation in transitions of care: Broken telephone or patient safety goal? Abstract of poster presented at Annual Meeting, American Medical Directors Association March, 2012 Program Book, Poster Presentation (encore presentation and publication will be in May 2012 at the Annual Meeting of the American Geriatrics Society).

Conry JM. Campus-Community Partnership: Educational Outreach for Urban Indigent Patients with Diabetes. American Journal of Pharmaceutical Education. 2011; 75 (5) Article 105. Abstract accepted for 2011 American Association of Colleges of Pharmacy Annual Meeting in San Antonio, Texas, July 2011.

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Maidhof W, Hilas O. Lupus: An Overview of the Disease and Management Options. Pharmacy and Therapeutics. April 2012;37(4):241-249. Abstracts. Danvers, MA. October 20-23, 2011.

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Goldstein RC, Lalite S, Mildvan D, Perlman DC, **Jodlowski T**, Ruhe JJ. Fluoroquinolone- and Ceftriaxone-Based Therapy of Community-Acquired Pneumonia (CAP) in Hospitalized Patients (pts) and the Risk of Subsequent Colonization and Infection with Multidrug-Resistant (MDR) Organisms. Abstract 205. Infectious Diseases Society of America. Boston. October 2011, International, Poster

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Patients' Understanding. Journal of the American Pharmacists Association, Mar/Apr 2012:Abstract 52(2) 221

S. Pereira, A. Marszalek, T. Mir, T. Liberman, L. Corrado, **M. Saad**, S. Sunday, N. Thomas, Y. Dlugacz, C. Cal, I. Ahmed, G. Wolf-Klein Impact of Palliative Care Consults on Prolonged Mechanical Ventilation. JAGS; April 2012 60 (s4): S56

M. Araw, C. Araw, T. Mir, T. Liberman, **M. Saad**, L. Corrado, C. Sison, G. Wolf-Klein Does a Palliative Care Consult decrease the cost of caring for hospitalized patients with Dementia? JAGS; April 2012, 60 (s4): S231

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Garg S, Wan K, Villa M, **Smith C**, Wu W, Barrera R. Evaluation of Etomidate Induced Adrenal Insufficiency in Adult Patients in the Surgical Intensive Care Unit. SCCM Annual Meeting, Poster, Abstract Feb. 2012

Letters to the Editor

Hughes GJ, Patel PN, Saxena N. Author's reply to: Lee HK, et al. Acetaminophen-Warfarin and the International Normalized Ratio-Is it a Pharmacokinetic or Pharmacodynamic Interaction? Pharmacotherapy 2011; February 2012; 31(12):498-9e.

Parikh A, Jang D, **Howland MA**: Response to Effect of Deferasirox on Iron Absorption in a Randomized, Placebo-Controlled, Crossover Study in a Human Model of Acute Supratherapeutic Iron Ingestion (Letter to editor) Ann Emerg Med 2011; 58:219-220

On-line Publications

Dr. Hughes Hoque A, **Hughes GJ**. Treatment of New-Onset Atrial Fibrillation. Remington Pharmacy Complete Case Studies

Lee S, **Hughes GJ**. Assessment and Management of Pneumonia. Remington Pharmacy Complete Case Studies

Dr. Maisch

- Vitamin D studied in older adults, COPD, CKD. APhA DrugInfoLine. 2012; 13 (2):8. <http://www.aphadruginfoline.com/alternative-medicines-corner/vitamin-d-studied-older-adults-copd-ckd>

- Vitamins, minerals: too much can be harmful. APhA DrugInfoLine. 2011; 12 (10):8.
- <http://www.aphadruginfoline.com/alternative-medicines-corner/vitamins-minerals-too-much-can-be-harmful>
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- <http://www.aphadruginfoline.com/alternative-medicines-corner/omega-3s-may-help-prevent-atrial-fib-recurrence>
- Massage therapy effective for short-term treatment of chronic back pain. APhA DrugInfoLine. 2011; 12 (8):8.
- <http://www.aphadruginfoline.com/massage-therapy-effective-short-term-treatment-chronic-back-pain>
- Ginseng supplements: no effect on patients with early diabetes. APhA DrugInfoLine. 2011; 12 (7):8.
- <http://www.aphadruginfoline.com/alternative-medicines-corner/ginseng-supplements-noeffect-patients-early-diabetes>
- Chemotherapy anxiety reduced with music therapy and verbal relaxation. APhA DrugInfoLine. 2011; 12 (6):8.
- <http://www.aphadruginfoline.com/alternative-medicines-corner/chemotherapy-anxiety-reduced-music-therapy-and-verbal-relaxation>
- Nitroglycerin increases bone strength in postmenopausal women. APhA DrugInfoLine. 2011; 12 (5):8.
- <http://www.aphadruginfoline.com/endocrinology/nitroglycerin-increases-bone-strength-postmenopausal-women>

Newsletters

Gianni Augusto L. Lessons learned from being an Assistant Dean. Submitted to Rho Chi Post [Rho Chi newsletter] for publication in June newsletter.

Gianni Augusto L. Addition to formulary: I.V. acetaminophen. RxPress: the Official Winthrop Pharmacy Newsletter. June 2012. Page 4-6 [hospital newsletter] – submitted for publication.

Hughes GJ. Express, be involved, and grow. Rho Chi Post;1(5) Feb, 2012

Ginzburg, R. The Importance of Researching Residency Sites. Rho-Chi Post. Feb 2012.

B. Presentations

Dr. Ahmed

- April 2012- Twelve Annual Oncology Symposium at St. John's University, Update on Pancreatic Cancer. Queens, NY (Presenter).
- January 2012- New Drugs in Pain Management and Palliative Care. Beth Israel Medical Center. New York, NY (Presenter)
- January 2012- Updates in Pain Management: What you need to know. New York City Society of Health System Pharmacists. New York, NY. (Presenter)
- December 2011- Pain Management and Pharmacists: What You Need to Know. Pharmacy Times CE Discovery Series. Philadelphia, PA. (Presenter)
- September 2011- Pain Management Non-Opioid Analgesic. Beth Israel Medical Center. New York, NY (Presenter)
- August 2011- Pain Management, Opioid Rotation-Case Problems. Beth Israel Medical Center. New York, NY (Presenter)

Dr. Ambizas

- June 2011 - Take Charge: Your Medications and You. Senior medication talk. North Presbyterian Church. Whitestone, New York:
- July 2011 -American Pharmacists Association immunization delivery program. St. John's University; Queens, New York: (ACPE–accredited continuing education program)
- May 2011 - Pharmacy Law Review. St. John's University; Queens, New York:
- October 2011 -Advanced Community Pharmacy Practice Rotation. St. John's University; Queens, New York. (ACPE–accredited continuing education program)
- February 2012 -Alzheimer's Disease. Long Island Pharmacists' Society; Plainview, NY: (ACPE-accredited continuing education program)

Dr. Avena-Woods

- August, June 2011, March 2012 - Falls Risk Prevention Program, Winthrop Wellness Center, Garden City, New York, Invited Speaker
- April, May, June 2011, March 2012 Smoking Cessation Program, Winthrop Wellness Center, Garden City, New York, Speaker, Invited Speaker
- October, 2011 Preceptor Continuing Education Program, Advanced Community Pharmacy Practice Rotation, St. John's University, Queens, New York, Speaker

Dr. Beizer

- August 11, 2011. “Medications & Older Adults: An Introduction to What Every Aging Network Professional Needs to Know”, Webinar for American Society on Aging.(invited speaker)
- October 24, 2011. “Older Patients & Their Medications: Tales from the Trenches”, Annual Meeting, American Association of Pharmaceutical Scientists, Washington, DC. (invited speaker)
- October 28, 2011. “You and Your Medications”, Interviewed on a radio show sponsored by Project Independence, Town of North Hempstead. Broadcast from the CW Post Campus radio station. (invited guest)
- November 17, 2011. “Timely Topics from the Geriatric Literature – I’m Trying to Tell You that I’m in Pain”, Annual Meeting, American Society of Consultant Pharmacists, Phoenix, AZ. (one of four invited speakers on panel)
- April 2, 2012. “Geriatric Pharmacotherapy”, Resident Noon Conference, Long Island Jewish Hospital, New Hyde Park, NY. (invited speaker)
- April 3, 2012. “Geriatric Pharmacotherapy”, Resident Noon Conference, North Shore University Hospital, Manhasset, NY. (invited speaker)
- Community Service Lectures and Brown Bag Days – “Managing Your Medications” and “Medicare Part D”
 - May 26, 2011 Senior Diabetes Club, NUMC – Brown Bag Day
 - June 23, 2011 Deer Park Library – Brown Bag Day
 - September 26, 2011 REAP of Roslyn (Retired Executives & Professionals)
 - October 4, 2011 Marathoners Club, Samuel Field YM-YWHA
 - October 6, 2011 Project Independence, North Hempstead
 - October 19, 2011 NORC WOW
 - October 26, 2011 Mid-Nassau Jewish Retirement Club
 - October 27, 2011 Senior Diabetes Club, NUMC – Part D
 - October 31, 2011 Great Neck Senior Center
 - November 3, 2011 Deepdale Cares – Part D
 - November 4, 2011 Friendship Club, Samuel Field YM-YWHA
 - November 7, 2011 Great Neck Senior Center – Part D
 - November 10, 2011 Plainview NORC
 - November 11, 2011 NORC WOW – Part D
 - November 22, 2011 Project Independence – Part D
 - December 2, 2011 Stroke Club, North Shore University Hospital
 - January 20, 2012 Stroke Club, NSUH – Brown Bag Day
 - January 26, 2012 Project Independence – Brown Bag Day

- March 21, 2012 Samuel Field YM-YWHA – Stretching Your Dollars Program

Dr. Joseph Brocavich

- November 2011 Doctor of Pharmacy Program Overview- St. John’s University Annual open house
- April 15, 2012 Unique characteristics of the Doctor of Pharmacy Program- St. John’s University Accepted Student Day.

Dr. Sheila Brocavich

- April 2, 2012 - Media Appearance - Press Conference with Senator Schumer, St. John’s University , Staten Island Campus – Announcement of Collaborative Prescription Drug Education Program by Pharmacy Students for Middle/High Schools in Staten Island
- March 15, 2012 Media Appearance- Telecare Catholic Television – “Reason for Hope” Expert Guest, “Medication Cabinet Safety, Uniondale, NY
- February 27, 2012 – Panelist – Prescription Drug Abuse and Safety and Security in the Pharmacy, CE Program; St. John’s University, Marillac Hall Auditorium, Queens, NY
- November 5, 2011 – Presenter: APhA’s Delivering Medication Therapy Management Services in the Community, CE Program; St. John’s University, HERC, Queens, NY

Dr. Cassagnol

- May, 2012 Pharmacy Practitioner’s Role in the Management of Hypertension (ACPE Accredited Program). Annual Cardiovascular Symposium: Meeting Healthy People 2020 Goals for Hypertension, St. John’s University College of Pharmacy and Allied Health Professions, Jamaica, NY. (Speaker/ Organizer/ Moderator)
- February 2012 Pharmacotherapeutic Management of Post-MI Patients. (ACPE Accredited Program) New York State Council of Health System Pharmacist Winter Cardiovascular Program, LaGuardia Marriott, LaGuardia, NY. (Invited Speaker)
- October 2011 Focus on CPP 5412: Key Concepts in the Provision of Pharmacist-delivered Care (ACPE Accredited Program). Preceptor Orientation for the Advanced Pharmacy Practice Experiences, St. John’s University College of Pharmacy and Allied Health Professions, Jamaica, NY. (Invited Speaker)

- May 2011 Pharmacy Leadership within the Healthcare Reform Era (ACPE Accredited Program). Annual Meeting of the Association of Black Health-System Pharmacist and Minority Health Conference. Houston, Texas. (Invited/Speaker)
- April 2011 Late Effects of Pediatric Chemotherapy (ACPE Accredited Program). 11th Annual Oncology Symposium, St. John's University College of Pharmacy and Allied Health Professions, Jamaica, NY. (Invited Speaker)
- April, 2012 Hughes G, Cassagnol M, Smtih C, Howland M, ElChaar G. Evaluation of student outcomes with regard to the number of faculty teaching or use of weekly quizzes in a team-taught pharmacokinetics Course Office of the Provost: Faculty Research Forum, St. John's University, Jamaica, NY. (presented in absence)
- April, 2012 Cascetta K, Kumar D, Cassagnol M. Pantoprazole-induced neutropenia, Society of Hospital Medicine Annual Meeting: Vignettes Category, San Diego Convention Center, San Diego, CA. (presented in absence)

Dr. Conry

- September, 2011 "Evaluating Emerging Treatments for Hepatitis C in the HIV Patient". Invited to present an ACPE-accredited continuing education presentation at a PharmEd Continuing Education Conference. Flushing, NY.
- April 2012 "HIV Care: Campus-Community Partnership". Faculty panelist for Center for Teaching and Learning (CTL) Interdisciplinary Research Roundtable on VISA and the University Mission. St. John's University, Queens, NY.
- 2012, March "Application of Academic Service-Learning". Faculty panelist for University Program on "AS-L: A Theology of Service". St. John's University, Queens, NY.
- 2012 March "Academic Service-Learning within an HIV-Elective Course". Faculty panelist for a Human Resources Department Showcase featuring VISA. St. John's University, Queens, NY.
- 2012, March Faculty panelist for a Clinical Pharmacy Practice (CPP) department faculty development program on "Case-based Approach to Challenging Student Experiences in Experiential Education". Program was open to faculty from the CPP department. St. John's University.
- 2011, December "World AIDS Day". Organizer, moderator and member of speaker panel for the Vincentian Center for Church and Society's Annual World AIDS Day Event. St. John's University, Queens, NY.
- 2011, October "2011 Update on Antiretrovirals and HIV Treatment Guidelines". Planned and presented this continuing education program at the

College of Pharmacy and Allied Health Professions 14th Annual HIV Symposium. St. John's University. Queens, NY.

- 2011, October “The Social Environment and Epidemiology”. Moderator for roundtable at the 7th Biennial Vincentian Chair of Social Justice Conference: Poverty Eradication and Intergenerational Justice. St. John's University, Queens, NY.

Dr. ElChaar

- December 2011 "Primer on Over-The-Counter Cough and Cold preparations for children" for the Nassau Pediatric Society, American Academy of Pediatrics chapter, in Carle Place, NY
- January 2012 and March 2012 “Immunizations: Background and immunizations against pneumococcus, influenza, varicella” and “practical in administering vaccines” for St. John's University program on APHA Pharmacy-based immunization delivery
- April 2012 “Acute Lymphoblastic Leukemia in children”- guest lecturer in Oncology elective, St John' University, April 2012
- May 2012 “Pharmacotherapy of over-the-counter cough and cold medications in children:Evidence for efficacy and safety” as a pediatric grand rounds, Winthrop University Hospital Department of Pedatrics, Mineola, NY

Dr. Ezzo

- Sept, October, November December 2012 American Pharmacists Association Pharmacy- based immunization delivery. St. John's University. Queens, NY.
- May, June, July August, September, 2011 Important tips you should know. Part I of a two part series for seniors residing in Nassau, Long Island.
- February, 2011 Annual Drug Update. ACPE-approved continuing education program. St. John's University College of Pharmacy & Allied Health Professions, Queens, N.Y

Dr. Etzel

- April 13, 2011 Therapeutic Options in the Management and Prevention of migraine Long Island Pharmacists Society, Pharmacy Society of the State of New York, Plainview, New York,
- April 14, 2011 Altering Pharmacy Practices to Minimize Medication Error Occurrence Italian-American Pharmacists Association, Monthly Meeting and Continuing Education Program, Jamaica, New York

- May 2011 Approach to taking Part III of the NYS Licensing Examination and Basic Extemporaneous Compounding Techniques Comprehensive Pharmacy Board Review, St. John's College of Pharmacy & Allied Health Professions
- June 14, 2011 Identifying and minimizing common causes of medication errors Pharmacy Continuing Education Program, American Health Resources, Melville, New York 2011 Pharmacy Continuing Education Program, American Health Resources, Melville, New York, Update on Immunization, 2011
- September 15, 2011 Adjusting Practices to Improve Patient Safety and Minimize Error Occurrence Pharmacy Continuing Education Program, American Health Resources, Albany, New York
- September 15, 2011 Update on Immunizations, 2011 Pharmacy Continuing Education Program, American Health Resources, Albany, New York
- September 16, 2011 Identifying and minimizing common causes of medication errors Pharmacy Continuing Education Program, American Health Resources, Melville, New York
- September 21, 2011 Examining the New IDSA Guidelines for the Prevention and Management of MRSA Pharmacy Continuing Education Program, American Health Resources, Flushing, New York
- September 21, 2011 Adjusting Practices to Improve Patient Safety and Minimize Error Occurrence Pharmacy Continuing Education Program, American Health Resources, Flushing, New York
- October 11, 2011 Minimizing Medication Errors in Contemporary Pharmacy Practice Pharmacy Continuing Education Program, American Health Resources, Cromwell, CT,
- October 19, 2011 Minimizing Medication Errors in Contemporary Pharmacy Practice Long Island Pharmacists Society, Pharmacy Society of the State of New York, Plainview, New York,
- October 26, 2011 Review of Extemporaneous Compounding Techniques Comprehensive Pharmacy Board Review, St. John's University, Jamaica, New York,
- November 1, 2011 The Role of Technology in Minimizing Medication Errors The Annual Dr. Andrew J. Bartilucci Pharmacy Congress: Utilizing Technology to Improve Patient Safety and Improving Outcomes, St. John's University, College of Pharmacy & Allied Health Professions, Jamaica, New York
- February 15, 2012 Therapeutic Options in the Management of Parkinson's Disease Long Island Pharmacists Society, Pharmacy Society of the State of New York, Plainview, New York

Dr. Jellinick-Cohen

- December 2011 Lyubarskaya A, Jellinek-Cohen SP . Pharmacist Impact on Surgical Care Improvement Project (SCIP) Core Measure Compliance Rates. Presented at the ASHP 2011 Midyear Meeting and Exhibition. New Orleans, LA. Poster
- Cohen V Jellinek-Cohen SP (Rosa T, Likourezos A. Feasibility and Safety of a Collaborative Multidisciplinary Implementation of a Pharmacy-Based Influenza Immunization Program in an Urban Academic Emergency Department. Presented at the 2012 SAEM Annual Meeting. Chicago, IL. Poster
- April 2012 Lyubarskaya A, Jellinek-Cohen SP . Pharmacist Impact on Surgical Care Improvement Project (SCIP) Core Measure Compliance Rates. Presented at the 31st Annual Eastern States Conference for Pharmacy Residents and Preceptors. Hershey, PA (Invited Speaker)

Dr. Kanmaz

- January 30, 2012, Vincentian Center for Church and Society Deans' and Fellows Meeting. St.John's University. Queens Campus Invited Moderator .
- October 15, 2011 Overview of Current HIV Treatment Guidelines. 1-hour continuing education program. 14th Annual HIV Symposium. St. John's University College of Pharmacy and Allied Health Professions. Queens, NY. Invited speaker.
- October 15, 2011 Drug Interactions in HIV Infection.1-hour continuing education program. 14th Annual HIV Symposium. St. John's University College of Pharmacy and Allied Health Professions. Queens, NY. Invited speaker.
- April 14, 2012 . Oral Chemotherapy: Implications in the Outpatient Setting. 12th Annual Oncology Symposium. St. John's University, College of Pharmacy and Allied Health Professions. Queens, NY. Invited speaker

Dr. Hilas

- October 2011 Geriatric Assessment: A focus on Medications and Falls. 2011 Annual Meeting of the American College of Clinical Pharmacy (ACCP). Geriatrics Practice and Research Network Focus Session. Pittsburgh, PA. Moderator
- October 2011 Clinical Interventions of Pharmacy Practice Residents on an Acute Care for Elders Unit. Professional poster presentation at the 2011 Annual Meeting of the American College of Clinical Pharmacy (ACCP). Pittsburgh, PA. Presenter

- October 2011 Pursuit of Post-Graduate Training Programs upon Graduation. Professional poster presentation at the 2011 Annual Meeting of the American College of Clinical Pharmacy (ACCP). Pittsburgh, PA. Presenter
- June 2011 Pharmacokinetic and Pharmacodynamic Changes in the Elderly. Presented to the Division of Geriatrics & Gerontology at NewYork-Presbyterian Hospital. Invited Speaker
- April 2011 Ten Timely, Expert Roundtable Discussions. Social and Economic Considerations of Acute Elder Care. American Society of Consultant Pharmacists (ASCP) Senior Symposium, 2011. Foxwoods, CT. Invited Speaker

Dr. Howland

- May 16, 2012. Management of Antihypertensive Overdoses. Cardiovascular Symposium. St. John's University.
- May 2012 All about insulin. Presented at EM Conference. Bellevue Hospital. Chen BC, Garlich FM, Viny AD, Basciano P, Howland MA, Smith SW, Hoffman RS, Nelson LS. Hemorrhagic Complications in Patients Using Dabigatran Poster presentation at European Association of Poison Centres and Clinical Toxicologists London, England Abstract Poster #220
- May, 2012 Garlich FM, Lugassy DM Howland MA, Hoffman RS. Public Health Response Following Poisoning with Illegal Brodifacoum (0.5%) Rodenticide. Poster presentation at European Association of Poison Centres and Clinical Toxicologists. London, England Abstract Poster #317
- March 9-12, 2012 Mazzola N, Schwartz L, Howland MA, Mercurio-Zappala M, Hoffman RS, Nelson L: The warfarin medication guide: a health literacy approach to evaluating patients' understanding. Accepted as a contributed papers poster at the American Pharmacists Association (APhA) Annual Meeting & Exposition, in New Orleans, LA Also presented as a poster at St. John's University Faculty Research Day.
- October, 2012, Hughes G, Cassagnol M, Wu W, Smith C, Howland MA, Sym D, El-Char G: Evaluation of Student Outcomes with Regard to Number of Faculty Teaching or Use of Weekly Quizzes in a Team-Taught Pharmacokinetics Course. Accepted at AACP Annual Meeting in Florida Also presented as a poster at St. John's faculty research day April, 2012.
- August 24, 2011 Howland MA: Calcium Channel Antagonists and Beta Adrenergic Antagonists: Presented at EM Conference
- September 2011 Rao R, Biary R, Milizia R, Birmingham C, Prosser J, Farmer B, Bouchard N, Nelson L Hoffman R, Howland MA: Fomepizole to prevent worsening lactate production in a patient with disulfiram related ketoacidosis:

Poster presentation at The American Academy Of Clinical Toxicology
Washington, DC Abstract Poster #56

- September 2011 Garlich F, Shah S, Nelson L, Howland MA: Prolonged altered mental status and bradycardia following pediatric donepezil ingestion: Poster presentation at The American Academy Of Clinical Toxicology Washington, DC Abstract Poster #98
- September 2011 Schwartz L, Martinez L, Louie J, Mercurio-Zappala M, Howland MA, Hoffman RS: Field test results of a medicine safety guidebook for older adults in English, Spanish and Chinese: Poster presentation at The American Academy Of Clinical Toxicology Washington, DC Abstract Poster #274
- May 20, 2011 Schwartz L, Howland MA, Mercurio-Zappala M, Hoffman RS: Health Literacy and Medicine Safety: A ten year perspective from the NYC Poison Center. Presented at the NYC Health Literacy Conference Staten Island University
- May 2011 Livshits Z, Sampson B, Howland MA, Hoffman RS, Garlich F, Nelson LS.: Retained Drugs in the Deceased. Poster presentation at European Association of Poison Centres and Clinical Toxicologists Dubrovnik, Croatia Abstract Poster #268
- May 2011 Jang DH, Hoffman RS, Nelson LS, Rao RB, Howland MA, Prosser J: Rhabdomyolysis and Hepatitis in a Patient with Prostate Cancer Being Treated with High Dose Ketoconazole and Concurrent Simvastatin Therapy. Poster presentation at European Association of Poison Centres and Clinical Toxicologists Dubrovnik, Croatia Abstract Poster #46

Dr. Hughes

- April 2012. Hughes G, Cassagnol M, Wu W, Smith C, Howland MA, Sym D, El-Char G: Evaluation of Student Outcomes with Regard to Number of Faculty Teaching or Use of Weekly Quizzes in a Team-Taught Pharmacokinetics Course. Faculty Research Forum. St. John's University Queens Campus. Poster presenter
- March 2012. Lambda Kappa Sigma Networking Event. St. John's University Queens Campus. Discussant
- November 2011. What is a Pharmacy Residency? – Career overviews. St. John's University Queens Campus. Discussant
- October 2011. Geriatric Practice and Research Network Business Meeting. American College of Clinical Pharmacy Annual Meeting Session (organizer)

Dr. Ginzburg

- April 2012 “Transitions from inpatient to outpatient diabetes care” Core Medical Topic lecture presented to Beth Israel Department of Family Medicine. Institute for Family Health. New York, NY. (Invited speaker)
- February 2012 Pharmacy Pearls: OTC meds” Core Medical Topic lecture, Beth Israel Department of Family Medicine. Institute for Family Health. New York, NY. (Presenter)
- October 2011 “Lipid lowering Medications” Beth Israel Medical Center Family Medicine interns as part of Family Medicine Month Curriculum. Institute for Urban Family Health. New York, NY. (Presenter)
- October 2011 “Diabetic Medications” Beth Israel Medical Center Family Medicine interns as part of Family Medicine Month Curriculum. Institute for Urban Family Health. New York, NY. (Presenter)
- June 2011. “The Institute for Family Health’s Controlled Substance Policy” Four Webinars provided to the Institute for Family Health providers throughout NYC, Bronx and Upstate area. (Presenter)
- May 2011 “Pharmacy Pearls: Insulin therapy” Core Medical Topic lecture, Beth Israel Department of Family Medicine. Institute for Family Health. New York, NY. (Presenter)

Dr. Lam

- May 23, 2012, New antithrombotics: roles in patient care (local, speaker, conference). Educational conference to Geriatric Medicine attending physicians, fellow/resident physicians and Doctor of Pharmacy candidates. Department of Geriatric Medicine, Winthrop University Hospital, Mineola, NY.
- January 12, 2012 Immunization training program (local, speaker, continuing education & certification program). A training program for Doctor of Pharmacy students. St. John's University. College of Pharmacy & Allied Health Professions. Queens, NY. 1/12/12.
- September/5/11, March/28/12. Polypharmacy (local, case presenter). Educational sessions offered to home care nurses. Department of Home Care Services, Winthrop University Hospital, Mineola, NY.
- July 6, 13, 20, 27, August 17,24,2011, February15, March7, May 10,2012
- Anticoagulation therapy (local, speaker, patient education). Total joint replacement program for patients who will undergo orthopedic surgeries. In collaboration with Department of Pharmacy & Department of Orthopedics. Winthrop University Hospital, Mineola, NY.

Dr. Jodlowski

- October 2011. Jodlowski TZ, Patel PN , Maisch N , Mildvan D. Comparison of Online Drug Interaction Databases to Evaluate Antiretroviral Medication Interactions. Abstract 1. American College of Clinical Pharmacy. Pittsburgh, National, Poster
- October 2011. Tam CL, Jodlowski TZ. Implementation of Medication Reconciliation by a Pharmacist with Human Immunodeficiency Virus or Acquired Immune Deficiency Syndrome on Highly Active Antiretroviral Therapy. Abstract 165. American College of Clinical Pharmacy. Pittsburgh, National, Poster
- October 2011. Jodlowski TZ. Preventing antiretroviral medication errors in hospitalized patients with Human Immunodeficiency Virus infection. 14th Annual HIV Symposium. St. John’s University, Queens, NY. Local, Presentation
- October 2011. Goldstein RC, Lalite S, Mildvan D, Perlman DC, Jodlowski T, Ruhe JJ. Fluoroquinolone- and Ceftriaxone-Based Therapy of Community-Acquired Pneumonia (CAP) in Hospitalized Patients (pts) and the Risk of Subsequent Colonization and Infection with Multidrug-Resistant (MDR) Organisms. Abstract 205. Infectious Diseases Society of America. Boston. International, Poster
- August 2011. Jodlowski TZ. “Pharmacokinetics & Pharmacodynamics 101” Summer lecture series. Lecture to infectious diseases fellows and medical students. Beth Israel Medical Center, NY, NY. (Represented), Poster Presentation

Dr. Mantione

- April 2011. Allergy Relief.
<http://whatscookintoday.blogspot.com/2011/04/421-allergy-relief-family-make-over.html>
- April 2011. A Parents Guide to Cold Medicines.
<http://www.760kfm.com/story/17045587/a-parents-guide-to-cold-medicine>
- September, 2011. Satellite Media Tour – “Going to Your Pharmacist for Your Immunizations” Live and pre-taped radio and TV interviews on the benefits of getting your flu shot from your local pharmacist.
- October 2011. Flu Shot Convenience, See Your Pharmacist.
www.volunteertv.com

- December 2011. Packing your Preventative Medicine Kit. Health Radio. http://www.healthradio.net/index2.php?option=com_mtree&task=print&link_id=45877&Itemid=0
- December 2011. Holiday Travel and Medication Tips. Health Radio. www.healthradio.net/mission/Health-Channels
- March 2012. Health Care Costs and How You Could Be Overspending. http://www.huffingtonpost.com/2012/03/02/health-care-costs-saving-money_n_1305362.html
- October 2011. Overview of NAPLEX – The Pre-NAPLEX. Faculty Development Presentation. St. John’s University, Queens, NY.
- November 2011. Medication Induced Falls – How to Avoid Them. Plainview NORC. Plainview, NY.
- March 2012. Hormonal Therapies – Contraception and Menopause. Lecture to students in St. John’s University Physician Assistant Program.
- March 2012. Immunization Training. LaGuardia Marriot, Queens, NY.
- March 2012. Immunization Training. St. John’s University, Queens, NY
- March 2012. Health Chat – How to Save Money on your Medications. NORC WOW. HSBC Bank, Glen Oaks, NY.
- March 2012. PCOS. Presented to students of Lambda Kappa Sigma. St. John’s University, Queens, NY.
- February 2012 – Brown Bag - SNAP of Eastern Queens. Queens, NY
- April 2012 – Brown Bag – NORC WOW. Glen Oaks, NY

Dr. Mazzola

- April 2012, May 2011. Diabetes: Current Best Practice to Diabetes Care - A Continuing Education Program for Nurses and Dietitians. Oral Medication, Incretins and Insulin, North Shore Long Island Jewish Health System, Center for Learning and Innovation. Lake Success, New York. Local, Speaker
- April 24, 2012. Mazzola N Schwartz L, Howland MA, Mercurio-Zappala M, Hoffman R, Nelson L The Warfarin Medication Guide: A Health Literacy Approach to Evaluating Patients’ Understanding, North Shore Long Island Jewish Health System, Anticoagulation Safety Committee, Manhasset, New York. Presented results of study
- April 11, 2012. Update on Diabetes Pharmacotherapy for the Hospital Practitioner, Diabetes Champion North Shore Long Island Jewish Health System, Manhasset, New York. Program Local, Speaker
- March 9-12, 2011. Mazzola N , Schwartz L, Howland MA, Mercurio-Zappala M, Hoffman R, Nelson L, The Warfarin Medication Guide: A Health Literacy Approach to Evaluating Patients’ Understanding National American

Pharmacists Association Annual Meeting, New Orleans, Louisiana., Poster presenter

- February 27, 2012. Prescription Drug Abuse and Safety & Security in the Pharmacy- A continuing education program for pharmacists St.John's University College of Pharmacy and Allied Health Professions, Queens, New York.Speaker
- November 2011.: Naturally Occurring Retirement Communities (NORC), North Shore Long Island Jewish Health Systems Great Neck Senior Center, Great Neck, NY. Medication Update and Avoiding Medication Errors, Speaker

Dr. Patel

- February 2012 Patel PN. New drug update 2011: part II. St. John's University: Queens, NY. (local/ ACPE-accredited continuing education program) Speaker
- October 2011 Jodlowski, Patel, P. Maisch N, Mildvan D. Comparison of online drug interaction databases to evaluate antiretroviral medication interactions. American College of Clinical Pharmacy Annual meeting; Pittsburgh, PA. (Poster)
- April 2011 Jacob E, Jacob S, Patel PN. Assessment of student perceptions and knowledge of pharmacy-based immunization in the State of New York. St. John's University Student Research Day; Queens, NY. (Poster)

Dr. Saad

- May 2012 Management of Hypertension in Special Populations (ACPE Accredited Program). Annual Cardiovascular Symposium: Meeting Healthy People 2020 Goals for Hypertension, St. John's University College of Pharmacy and Allied Health Professions, Jamaica, NY (Invited speaker)
- April 2012 Pain management in the Elderly: Medical resident lecture at Long Island Jewish Medical Center (Invited speaker)
- April 2012 Pain management in the Elderly: Medical resident lecture at North Shore University Hospital (Invited speaker)
- April 2011 Pharmacokinetic and Pharmacodynamic changes in the Elderly. Long Island Jewish Medical Center (Invited speaker)
- May 2012 S. Pereira, A. Marszalek, T. Mir, T. Liberman, L. Corrado, M. Saad, S. Sunday, N.Thomas, Y. Dlugacz, C. Cal, I.Ahmed, G.Wolf-Klein. Impact of Palliative Care Consults on Prolonged Mechanical Ventilation.American Geriatrics Society 2012 Annual Scientific Meeting. Seattle, WA. (Poster)
- May 2012 M. Araw, C.Araw, T. Mir, T. Liberman, M. Saad, L. Corrado, C. Sison, G.Wolf-Klein. Does a Palliative Care Consult decrease the cost of

caring for hospitalized patients with Dementia? American Geriatrics Society 2012 Annual Scientific Meeting. Seattle, WA.(Poster)

- May 2011 Saad M, Mir T Liberman T, Cleary T Retrospective Evaluation of Persistent Pain Management in Older Adults Admitted to Long Island Jewish Hospital. Corrado L American Geriatrics Society 2011 Annual Scientific Meeting. Washington, DC (Poster).

Dr. See

- July 6, 2011. “Introduction to EBM and Statistics” Presentation for the residents and faculty of the Beth Israel Residency in Urban Family Practice; New York, New York (Invited speaker)
- August 3, 2011. “Introduction to Journal Club” Presentation for the residents and faculty of the Beth Israel Residency in Urban Family Practice; New York, New York (Invited speaker)
- September 14, 2011. “Pharmacy Pearls: Drugs in Pregnancy” Presentation for the residents and faculty of the Beth Israel Residency in Urban Family Practice; New York, New York (Invited speaker)
- October 3, 2011. “Hypertension”, “Inpatient Glycemic Control”, “Bugs and Drugs from the Inpatient Service” Presentations for Beth Israel Residency in Urban Family Practice Family Medicine Month; New York, New York (Invited speaker)
- October 13, 2011. “Inpatient Cases: Antibiotics” Presentation to medical students of the (AECOM) Beth Israel Residency in Urban Family Practice; New York, New York (Invited speaker)
- October 28, 2011: “Medical Management of Heart Failure.” Presentation to Continuum Hospital System Pharmacy Preceptors, PGY1 Residents and Pharmacy Students; Beth Israel Medical Center, New York, New York. (Invited speaker)
- Feb. 21, 2012. “Using Audience Response Systems in the Classroom: Experiences from Clinical Pharmacy” Center for Teaching and Learning Technology Sandbox Presentation, St. John’s University.; Jamaica, NY (Invited speaker)
- March 8, 2012. “Challenging Student Cases” CPP Faculty Development Presentation; St. John’s University College of Pharmacy; Jamaica, NY (Invited panelist)
- March 22, 2012. “Inpatient Cases: Inpatient Glycemic Control” Presentation to medical students of the (AECOM) Beth Israel Residency in Urban Family Practice; New York, New York (Invited speaker)

- April 4, 2012. “Transitions from Inpatient to Outpatient Diabetes Care” Presentation for the residents and faculty of the Beth Israel Residency in Urban Family Practice; New York, New York (Invited speaker)
- April 11, 2012. “Pharmacy Pearls: Medication Management in the Elderly” Presentation for the residents and faculty of the Beth Israel Residency in Urban Family Practice; New York, New York (Invited speaker)
- May 16, 2012. “Updates in Hypertension.” CE Presentation for the St. John’s University College of Pharmacy & Allied Health Professions Cardiovascular Health and Wellness Symposium – How Pharmacy Practitioners Can Meet 2020 Healthy People Goals for Hypertension; Jamaica, NY. (Invited speaker)
- May 3, 2012. “Using Audience Response Systems in the Classroom”, Turning Technologies Lunch and Learn. City College of New York. New York, New York. (Invited speaker)

Dr. Smith

- November, 2011 Hypertensive Crisis. Long Island Society of Health Systems Pharmacist (invited speaker)
- April 2012 Yum, C. Lee, C, Barrera, R, Wu, W, Smith, C. Vancomycin dosing nomogram for obese critically ill patients. St. John’s University Student Research Day; Queens, NY. (Poster)
- May, 2012. “Hypertensive Emergencies” CE Presentation for the St. John’s University College of Pharmacy & Allied Health Professions Cardiovascular Health and Wellness Symposium. Jamaica, NY. (Invited speaker)

Dr. Sym

- May 12, 2011. Staying on Schedule HIV Center for Aids Research and Treatment (CART), Manhasset, N.Y

Professor Torre

- “Optimizing Glucose Control in the Diabetic Patient” at several Pharmacy CE Conferences sponsored by American Health Resources, Brockton, MA.
 - 6/15/11: White Plains, NY
 - 6/22/11: Fishkill, NY
 - 6/29/11: Manhattan, NY
 - 9/20/11: Portland, ME
 - 10/26/11: Westboro, MA
 - 11/9/11: Danbury, CT
 - 11/16/11: Philadelphia, PA
 - 11/30/11: Harrisburg, PA

- 12/7/11: Saddlebrook, NJ
- 12/8/11: Burlington, NC
- 12/13/11: Randolph, MA
- 5/2/12: Plymouth, MA
- 6/20/11: Glutamate Carboxypeptidase II Inhibition and Its Potential Use in Treating Diabetic Peripheral Neuropathy. Nassau University Medical Center,
- 10/3/11: A Selective Review of Adverse Drug Events: Thiazolidinediones, GLP-1 Receptor Agonists, DPP-IV Inhibitors and Bisphosphonates. Nassau University Medical Center
- 11/7/11: Type 2 Diabetes: Update on Oral Agents Nassau University Medical Center,
- 1/30/12: Extra Skeletal Manifestations of Vitamin D and Its Role in Therapy Nassau University Medical Center,
- 4/27/12: Update 2012: Drug Pipeline, Nassau University Medical Center,

Dr. Torres

- April 2012 – Oncology Symposium at St. John’s University, Update on Melanoma. Organized the Symposium and presented.
- February 2012 – New Drugs of 2011 at St. John’s University, New Drugs in Hematology/Oncology, Pain and Women’s Health

Dr. Tran

- March 8, 2012 NYCSHP Student Advisory committee roundtable event. New York, New York. Professional Faculty –Speaker

C. Sponsored Research

Dr. Arya

- MTM Train-the-Trainer Certificate Program (June 2011), Funded by NYC Department of Health and Mental Hygiene, Amount: \$5,000
- Building the framework to introduce Pharmacist-Led Medication Therapy Management (MTM) in High Risk Communities in NYC (June 2011), Funded by The Peter and Carmen Lucia Buck Foundation, Grant Amount: \$150,000
- HRSA Patient Safety Collaborative Regional Symposium (May 2012), Funded by HRSA, Grant Amount: Anticipated minimum \$10,000

Dr. J. Brocavich

- Program Co-Director (with Dr. Priti Patel) - St. John's University/ Forest Research Institute Pharmaceutical Industry Fellowships. Funded by Forest Research Institute for July 1, 2011. This grant expires in June 2013 and funds four fellows each year. (Three year gift agreement totaling in excess of \$764,090). Primary grant recipient – Dean Robert Mangione
- APhA Immunization Training Program - An educational grant that allows us to serve as a partner with APhA in training our students and Pharmacists as immunizers. The agreement waives the license fee of \$500. Re-approved for 2011-2012.
- Program Director - St. John's University/ American Regent Pharmaceutical Industry Fellowship. This two year fellowship began in July 2010 in the areas of medical information and pharmaceutical marketing. The gift was approved for two years and is valued at \$218,000. Dr. Laura Gianni Augusto served as the director from June 2010 to March 2011 and I became director in March 2011 and continue to serve in this capacity. American Regent has approved funding for the continuation of the Fellowship for 2012-13. A third fellow has been appointed to start in July 2012.
- Program Director - St. John's University/ Daiichi Sanko Pharma Development (DSPD) Pharmaceutical Industry Fellowship. This two year fellowship program was instituted in July 2011 in the area of regulatory affairs. The gift was approved for two years and is valued at \$218,000. A second fellow has been appointed to start in July 2012.
- St. John's University/ Perrigo Pharmaceuticals industry Fellowship gift proposal. A new fellowship grant application was developed and approved Perrigo Pharmaceuticals. This two year fellowship will begin in July 2012 in the area of Clinical Affairs. The grant was approved in February 2012 for two years and is valued at approximately \$218,000. The first fellow has been appointed and will begin in July 2012.
- The Industry Fellowship Programs generated over \$500,000 of external funding in 2011-2012.

Dr. Cassagnol

American Heart Association: Clinical Cardiology Section, Minority Travel Grant. (November 2011) Amount: \$1,500

Dr. Ezzo

Operation Heart / Operation Diabetes – Target grant of \$2,500. St. John’s University Chapter of APhA-ASP has been awarded a grant based on our efforts for two patient care projects: Operation Heart and Operation Diabetes.

Dr. Conry

The Rite Aid Foundation- Wellness Initiative. Project entitled: “Educational Outreach Project for Uninsured Indigent Patients with Diabetes”. The Rite Aid Foundation awarded a \$20,000 “gift-in-kind” grant for diabetic supplies. Dr. Conry solicited and received additional donations of glucometers and lancets from Abbott Pharmaceuticals valued at more than \$6,000. 2009-Present -This research remains in progress.

Dr. Ginzburg and Dr. Mazzola

Academic Service Learning Faculty Mini-Grant for \$1000 to support the integration of service experiences with the curricular objectives of existing and new course offerings.

Dr. Maidhof

Talyst hardware yearly support and maintenance contract for the AutoCarousel and AutoPack. Value of Donation: \$39,700.00

Implementation of Talyst hardware (AutoLabel System) into the Pharmacy Practice Compounding Laboratory. Value of Donation: \$21,000.00

Dr. Mazzola

Submitted -Patient Centered Outcomes Research Institute (PCORI) titled Patient Preferences For Optimal Presentation of Information About Side Effects- Project consultant for \$250,000 grant

D. Honors, Awards, and Recognitions

Dr. Arya

Rho Chi National Honor Society – Honorary Faculty Inductee and Keynote speaker, 2011

Featured “Mentor Spotlight” in Transitions newsletter, American Pharmacists Association, Winter 2011

Dr. Cassagnol

Association of Black Health System Pharmacist President Award 2011-12

Dr. Conry

Recipient of Faculty Outstanding Achievement Award

Dr. Ginzburg

Appointed co-chair, Institute for Family Health's Pharmacy and Therapeutics Committee

Dr. Howland

Distinguished Service Award American Academy of Clinical Toxicology
September 24, 2011

Dr. Maidhof

Honorary Faculty induction into the Rho Chi Honor Society

John Dobbins Teacher of the Year Award for the College of Pharmacy and Allied Health Professions

Dr. Hilas

Fellow of the American Society of Consultant Pharmacists

Dr. Mantione

NYS Board of Pharmacy, member

- Part III Exam Committee, member
- Proctor for Part III
- Nominating Committee, Chair

Committee on Internships and Reciprocity, Chair

Dr. See

Nominated to run for a Regent position for the American College of Clinical Pharmacy

E. Other Activities

Student Engagement & Teaching Initiatives

Dr. Conry

Fall 2011/Spring 2012- Mentored one Ozanam Scholar Student (student enrolled in third year of the Pharm.D. program) for their independent research study proposal. The proposal is titled: "Health Literacy in the HIV/AIDS Population".

Interviewed by the University on his utilization of academic service-learning in his course; a video montage will be shown at the VISA Graduation and Awards Ceremony on May 11, 2012.

Clinical Practice site at Project Renewal has been selected by Pharmacy Today (an official publication of the American Pharmacists Association) as a feature MTM story for their June 2012 issue.

Dr. Ezzo

APhA-ASP Chapter Advisor for this student organization

Dr. Hilas and Dr. Arya

Developed an on-line elective course for 3rd year Doctor of Pharmacy Students

Dr. Maidhof, Smith, Cassagnol, Saad, Ambizas

Developed the simulation experience for the 3rd year Doctor of Pharmacy Students

Dr. Hughes, Dr. Howland, Dr. Smith, Dr. Cassagnol, Dr. El-Chaar, and Dr. Sym

Did an outcomes study to improve the teaching of the 5th year pharmacokinetics course

Mission

Dr. Conry

December 2011- Developed and moderated annual World AIDS Day presentation for the University in conjunction with the Vincentian Center for Church and Society.

October 2011- Moderator and speaker for roundtable entitled: "The Social Environment and Epidemiology" at the 7th Biennial Vincentian Chair of Social Justice Conference by the Vincentian Center for Church and Society.

Dr. Sheila Brocavich

Dr. Brocavich has been involved in Senator Schumer's Prescription Drug Education Initiative – Collaborative effort. This program was developed with the intent of providing prescription drug education by pharmacy students to local high and middle school students. This program was officially launched with a press conference with Senator Schumer at the St. John's University, Staten Island Campus on April 2, 2012.

CPP 1101 students were involved the National DEA Take Back Event on April 28, 2012 at the Queens and State Island campuses as well as in their local communities. Students have been using Social Media (Facebook page created for the class, <http://www.facebook.com/DeaDrugTakeBackInitiative>) to promote this initiative.

Department of Pharmaceutical Sciences

A. Publications

a. Published Articles

Gugger, J.J., Tam, C.L. and **Ashby, Jr., C.R.** Paradoxical effect: Is there a link between aripiprazole and worsening psychosis? *Curr Psychiatry* 10:53-59, 2011.

Rice OV, Gardner EL, Heidbreder CA, **Ashby Jr. CR.** The Acute Administration of the Selective Dopamine D₃ Receptor Antagonist SB-277011-A Reverses Conditioned Place Aversion Produced by Naloxone Precipitated Withdrawal from Acute Morphine Administration in Rats. *Synapse* 66: 85-87, 2012. This journal is considered to be a good quality journal (impact factor of 2.9)

Cantor JO, Cerreta J, Ochoa M, Ma S, Liu M, Turino GM. Therapeutic effects of hyaluronan on smoke-induced elastic fiber injury: Does delayed treatment affect efficacy? *Lung* 189:51–56, 2011.

Bhavsar T, Liu M, Liu X, **Cantor JO.** Aerosolized Recombinant Human Lysozyme Enhances The Bactericidal Effects of Tobramycin in a Hamster Model of Pseudomonas Aeruginosa-Induced Pneumonia. *Exper Lung Res* 37:536- 541, 2011.

Ma S, Lin YY, Luisetti M, **Cantor J,** Turino GM. The use of desmosine and isodesmosine as a biomarker for COPD. *Amer J Resp Crit Care Med* 184:637-41, 2011.

Peng XX, Shi Z, Tiwari AK, Damaraju VL, Fu L, Cass CE, **Ashby Jr CR,** Kruh GD, **Chen ZS.** Up-regulation of P-glycoprotein confers acquired resistance to 6-mercaptopurine in human chronic myeloid leukemia cells. *Oncology Letters* 2(3): 549-556, 2011.

Ding, P. R.; Tiwari, A. K.; Ohnuma, S.; Lee, J.W.K.K.; An, X.; Dai, C.L.; Lu, Q.; Singh, S.; Yang, D.H.; **Talele, T. T.** Ambudkar, S. V.; **Chen, Z.S.** The phosphodiesterase-5 inhibitor vardenafil is a potent inhibitor of ABCB1/P-glycoprotein transporter. *PLoS ONE* 2011, 6, e19329.

Hopper-Borge, E.A., Churchill, T., Paulose, C., Nicolas, E., Jacobs, J.D., Ngo, O., Kuang, Y.H., Grinberg, A., Westphal, H., **Chen, Z.S.,** Klein-Szanto, A., Belinsky, M. G., and Kruh, K.D. Contribution of Abcc10 (Mrp7) to in vivo paclitaxel resistance as assessed in Abcc10^{-/-} mice. *Cancer Res*, 71 (10): 3649-57, 2011.

Shi, Z., Tiwari, A. K., Shukla, S., Robey, R. W., Singh, S., Kim, I. W., Bates, S. E., Peng, X.X., Abraham, I., Ambudkar, S. V., **Talele, T. T.**, Fu, L.W., **Chen, Z. S.** Sildenafil reverses ABCB1- and ABCG2-mediated chemotherapeutic drug resistance. *Cancer Res*, 71(8): 3029-41, 2011.

Yan, Y.Y.; Zheng, L.S.; Zhang, X.; Chen, L.; Singh, S.; Wang, F.; Zhang, J.; Liang, Y.; Dai, C.; Gu, L.; Zeng, M.; **Talele, T.T.**, **Chen, Z.**; Fu, L Blockade of Her2/neu binding to Hsp90 by emodin azide methyl anthraquinone derivative induces proteasomal degradation of Her2/neu. *Mol. Pharmaceutics* 2011, 8, 1687-1697

Aaron Barchowsky; Lorrene A. Buckley; Gary P. Carlson; Vanessa A. Fitsanakis; **Sue M. Ford**; Mary Beth Genter; Dori R. Germolec; Teresa L. Leavens; Lois D. Lehman-McKeeman; Stephen H. Safe; Courtney E. W. Sulentic; Betty J. Eidemiller. The Toxicology Education Summit: Building the future of toxicology through education (2012) *Toxicological Sciences*; doi: 10.1093/toxsci/kfs111

Carvalho, F. I., Johns, C. and **Gillespie, M. E.** Gene expression analysis. *Biochem Mol Biol Edu* n/a–n/a (2012).doi:10.1002/bmb.20588

Woska, J. R., Jr and **Gillespie, M. E.** SNARE complex-mediated degranulation in mast cells. *Journal of Cellular and Molecular Medicine* no–no (2011).doi:10.1111/j.1582-4934.2011.01443.x

Gillespie, M., Shamovsky, V. & D'Eustachio, P. Human and chicken TLR pathways: manual curation and computer-based orthology analysis. *Mamm. Genome* 22, 130–138 (2011).

Croft, D. et al. (**Gillespie, M. E.**) Reactome: a database of reactions, pathways and biological processes. *Nucleic Acids Res.* 39, D691–7 (2011).

Hardej, D. and Shalini Roy: Tellurium tetrachloride and diphenyl ditelluride cause cytotoxicity in rat hippocampal astrocytes. *Food and Chemical Toxicology*. 49 (2011) 2564–2574

Patel, J., Kuang, Y.H., **Chen, Z. S.**, and **Korlipara, V.** Inhibition of c-Kit, VEGFR-2 (KDR), and ABCG2 by analogues of OSI-930. *Bioorganic & Medicinal Chemistry Letters*, 21(21):6495-9, 2011.

N. Das, **P.L. Madan** and **S. Lin**, Statistical Optimization of insulin-loaded Pluronic F-127 gels for Buccal Delivery of Basal Insulin, *Pharmaceutical Development and Technology*, 17(3): 363-374 (2012).

Shreya Shah , Sachi Joshi, **Parshotam Madan**, and **Senshang Lin**, “Preparation and characterization of Spironolactone Solid Dispersions using hydrophilic carriers”, Asian Journal of Pharmaceutical Sciences, 7(1), 40-49, 2012

Nisha Patel, **Parshotam Madan**, and **Senshang Lin**, “Development and evaluation of controlled release ibuprofen matrix tablets by direct compression technique”, Pharmaceutical Development and Technology, 16(1), 1-11, 2011.

Nacev, B.A., **Low, W.K.**, Huang, Z., Su, T.T., Su, Z., Alkuraya, H., Kasuga, D., Sun, W., Träger, M., Braun, M., Fischer, G., Zhang, K., and Liu, J.O. A calcineurin-independent mechanism of angiogenesis inhibition by a nonimmunosuppressive cyclosporine A analog. J Pharmacol Exp Ther, Vol. 338, No.

Mansi P. Shah, Pooja K. Patel, **S. Lin**, **P. L. Madan**, “Formulation variables affecting release of diclifenac sodium from eudragit-loaded microparticles”, Asian Journal of Pharmaceutical Sciences, 6(6), 241-250, 2011.

Entezari M, Weiss DJ, Sitapara R, Whittaker L, Wargo MJ, Li J, Wang H, Yang H, Sharma L, Phan BD, Javdan M, Chavan SS, Miller EJ, Tracey KJ, **Mantell LL**. Inhibition of HMGB1 Enhances Bacterial Clearance and Protects against P. aeruginosa Pneumonia in Cystic Fibrosis. Mol Med. 2012 Feb 2. doi: 10.2119/molmed.2012.00024.

Binh D. Phan, Maria Entezari, Richard A. Lockshin, Diana C. Bartelt and **Lin L. Mantell**. Hydrogen Peroxide Enhances Phagocytosis of Pseudomonas aeruginosa in Hyperoxia. J Immunotoxicol. 2011 Jan-Mar;8(1):3-9. Epub 2011 Jan 24.

Jay Patel, Ye-Hong Kuang, **Zhe-Sheng Chen** and **Vijaya L. Korlipara**, Inhibition of c-Kit, VEGFR-2 (KDR), and ABCG2 by analogues of OSI-930. Bioorg. Med. Chem. Lett., 2011, Vol. 21, 6495-6499.

Ouhilal S, Vuguin P, Cui L, DuXQ , Gelling W, **Reznik SE** , Russell R, Parlow AF, Karpovsky C, Santoro N and Charron MJ. Hypoglycemia, Hyperglucagonemia and Feto-placental Defects in Glucagon Receptor Knockout Mice: A Role for Glucagon Action in Pregnancy Maintenance, Am J Phys Endo Metab 3012: 522-531 (2012).

Patel M, Beckerman KP, **Reznik S**, Madan RP and Goldman D. Vertical Transmission of cryptococcus neoformans to an HIV-exposed Premature Neonate, J Perinatol 32: 235-237 (2012).

Munnangi S and **Reznk SE**. Prenatal Screening and Diagnosis of Down Syndrome Pregnancies. In New Developments in Down Syndrome Research, Nova Publishers (2012).

J. P. Lakshman, J. Kowalski, M. Vasanthavada, W. Q. Tong, Y. M. Joshi, **A. T. M. Serajuddin**. Application of Melt Granulation Technology to Enhance Tableting Properties of Poorly Compactible High-Dose Drugs. J. Pharm. Sci. 100, 1553–1565 (2011). (Published May 2011)

H. N. Prajapati, D. Patel, N. Patel, D. M. Dalrymple, **A. T. M. Serajuddin**. Effect of Difference in Fatty Acid Chain Length of Medium-Chain Lipids on Drug Solubility and Lipid-Surfactant-Water Phase Diagrams. J. Excipients and Food Chem. 2(3):73-87 (2011) (Published September 2011)

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Shah and **A.T.M. Serajuddin**. Development of Solid Self-Emulsifying Drug Delivery System (SEDDS) I: Use of Poloxamer 188 as Both Solidifying and Emulsifying Agent for Lipids. Pharm Res DOI 1007/s11095-012-0704-x (Published online on February 28, 2012)

Abhijat Shikhar, Murali Mohan Bommana, Simerdeep Singh Gupta, **Emilio Squillante**. Formulation development of carbamazepine–nicotinamide co-crystals complexed with γ -cyclodextrin using supercritical fluid process” In The Journal of Supercritical Fluids, Volume 55, Issue 3, 2011, Pages 1070-1078

Caterina Ferraro, Istvan Lengyel and **Ralph Stephani**. Study of the Reaction of Symmetrical and Unsymmetrical Phthalyl Dichloride with N-Substituted Anthranilic Acids” *Heterocycles*, January, 2012.

Gabriella Chiosis, Pallav Patel and **Ralph Stephani**. Design & Synthesis of Heat Shock Protein Inhibitors as Potential Anticancer Agents”. *Tetrahedron*, (1), 5010-5014, 2011.

Ishwar R. Sadarangani, Souful Bhatia, Daniel Amarante, Istvan Lengyel, and **Ralph A. Stephani**, “Synthesis, resolution and anticonvulsant activity of chiral N-1'-ethyl',N-3'-(1-phenylethyl-(R,S)-2'H,3H,5'H-spiro-(2-benzofuran-

1,4'-imidazolidine)-2',3,5'-trione diastereomers." Bioorganic Medicinal Chemistry Letters, March 2012.

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Patel MR, Pandya KG, **Lau-Cam CA**, Singh S, Pino MA, **Billack B**, **Degenhardt K**, **Talele TT** (2012). Design and Synthesis of N-Substituted Indazole-3-Carboxamides as Poly(ADP-ribose)polymerase-1 (PARP-1) Inhibitors. Chem Biol Drug Des. 2012; 79(4):488-96

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b. Manuscripts In Press Or Excepted With Revisions

Gadhia, S., Calabro, A.R., **Barile, F.A.** (2012). Trace Metals Alter DNA Repair and Histone Modification Pathways Concurrently in Mouse Embryonic Stem Cells, Toxicol. Letters, accepted for publication, 2012.

Sun, Y.L., Patel, A., Kumar, P., **Chen, Z.S.** Role of ABC transporters in cancer chemotherapy. Chin J Cancer, editorial, in press, 2012.

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c. Review Articles

Chen, Z. S., and Tiwari, A.K. Multidrug Resistance Proteins (MRPs/ABCCs) in Cancer Chemotherapy and Genetic Diseases, invited review article, FEBS journal, 278: 3226–3245, 2011.

Li, X., Xu, H., **Chen, Z. S.**, and Chen, G. Biosynthesis of nanoparticles by microorganisms and their applications, invited review article, J. Nanomaterials, in press, 2011.

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d. Books And Book Chapters

R. Serio and **B. Billack**. Ryan Serio and Blase Billack (2012). Potential Tumor Biomarkers for Ovarian Cancer, Ovarian Cancer - *Basic Science Perspective*, Dr. Samir Farghaly (Ed.), ISBN: 978-953-307-812-0, InTech

Amit Tiwari, Doong-Hua Yang and **Zhe-Sheng Chen**, "Molecular Mechanisms of Methotrexate Resistance, Book Title: Methotrexate: *Pharmacology, Clinical Uses, and Adverse Effects* (Hardback) Edited by Valentina S. Castillo and Laura A. Moyano. March 01, 2012, Nova Science Publishers, Inc.

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Zito, S. W. and Roche. V. F., Case Studies for all Pharmacodynamic Agents chapters in the Seventh Edition of "*Principles of Medicinal Chemistry*", W. O. Foye, T. L. Lemke, and D. A. Williams, eds., V. F. Roche and S. W. Zito, asst. eds., Lippincott, Williams & Wilkins, Baltimore. April, 2012.

e. Articles Submitted For Review

Konsoula, Z., **Barile F.A.** (2012). Epigenetic Histone Acetylation and Deacetylation Mechanisms in Experimental Models of Neurodegenerative Disorders, *J. Pharmacol. Toxicol. Methods*, submitted, under review, 2012.

Sukhija, H. Bijlani, K. **Cantor J.O. Cerreta, J. M.** Inhalation of single walled Nanotubes Induces Increased Levels of 5 lipoxigenase and leukotriene B4 in the lungs of Golden Syrian Hamsters. Submitted to *Nanotoxicology*.

Bijlani, K.H. Sukhija, H. **Cantor, J. O. Cerreta, J. M.** Pulmonary inflammation induced by single walled nanotubes in Golden Syrian Hamsters. Submitted to *Toxicology and Applied Pharmacology*.

Chen, J.J., Sun, Y.L., Tiwari, A.K., Xiao, Z. J., Sodani, K., Yang, D. H., Vispute, S. G., Jiang, W. Q., Chen, S. D., and **Chen, Z. S.** PDE5 inhibitors, sildenafil and vardenafil, reverse multidrug resistance by inhibiting the efflux function of MRP7 (ABCC10) transporter. Submitted to *Cancer Science*, 2012.1.

Arimura, H., Tachiwada, T., Annereau, J-P., **Chen, ZS.**, Che, XF., Matsumoto, M., Tabata, S., Minami, K., Szakács, G., Paterson, J.K., Seki6, N., Grissom, SF., Tucker, CJ., Paules, RS., Tsujikawa, K., Yamamoto, M., Nakagawa, M., Gottesman, MM., Akiyama, S., and Furukawa, T. Overexpression of ABCB6 in arsenite resistant human epidermoid carcinoma KB cells, Submitted to *Cancer Biology and Therapy*.

Zhu, W., Li, W.X., Chen, S.F., Zhou, Z. T., Chen, J. L., Wu, Y. S., Yang, G/ Y., Zhang, Q. X., **Ashby Jr. C. R., Chen, Z. S.**, Li, M., and Yang, X. F. I3C and DIM induce apoptosis of SMMC-7721 and HepG2 hepatic tumor cells by suppressing AKT activation and downregulating survivin expression. Submitted to *Experimental Cell Research*.

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Kuang, Y.H., Patel, J.P., Sodani, S., Wu, C.P., Liao, L.Q., Patel, A., Tiwaria, A.K., Dai, C. L., Chen, X., Fu, L. W., Ambudkar, S. V., Korlipara, V. L., **Chen, Z.S.** OSI-930 ANALOGUES AS POTENT REVERSAL AGENTS FOR ABCG2-MEDIATED MULTIDRUG RESISTANCE, Submitted to *Biochemical Pharmacology*, 2012.

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Ye-Hong Kuang, Jay P. Patel, Kamlesh Sodani, Chun-Pu Wu , Li-Qiu Liao, Atish Patel, Amit K. Tiwari, Chun-Ling Dai , Xiang Chen*, Li-Wu Fu, Suresh V. Ambudkar, **Vijaya L. Korlipara***, **Zhe-Sheng Chen*** OSI-930 analogues as potent reversal agents for ABCG2-mediated multidrug resistance, Biochemical Pharmacology

Vivek S. Patel, Ravikumar Sitapara, Binh Phan, Ashwini Gore, Lokesh Sharma, JianHua Li, Huan Yang, Sangeeta S. Chavan, Haichao Wang, Kevin J. Tracey and **Lin L. Mantell.** HMGB1 mediates hyperoxia-compromised host defense to clear bacteria in *Pseudomonas aeruginosa* pneumonia. Am J Respir Cell Mol Biol.

M. Javdan; H. Wang; K. Tracey; T. Entezari-Zaher; D. Morrow; E. Miller; J. Romashko III., **L Mantell** Blockade of HMGB1 inhibits hyperoxia-induced pro-inflammatory lung injury. *Free Radical Biology and Medicine*

Michelle Heacock, **Vladimir Poltoratsky**, Rajendra Prasad and Samuel H. Wilson "Persistence of the 5'-deoxyribose phosphate blocking group causes alkylating agent-induced toxicity in *Saccharomyces cerevisiae*" *Submitted PNAS manuscript*.

Darshil Patel, Ping Li, **Abu T.M. Serajuddin**. Enhanced microemulsion formation in lipid-based drug delivery systems by combining mono-esters of medium-chain fatty acids with di- or tri-esters. Submitted to *Journal of Excipients and Food Chemicals* on February 4, 2012.

Nrupa Patel, Hetal N. Prajapati, Damon Dalrymple, **Abu T.M. Serajuddin**. Development of Solid SEDDS: II. Application of Acconon C-44® and Gelucire 44/14® as Solidifying Agents for Self-emulsifying Drug Delivery Systems of Medium Chain Triglyceride. Submitted to *Journal of Excipients and Food Chemicals* on February 26, 2012.

Nrupa Patel, Damon Dalrymple, **Abu T.M. Serajuddin**. Development of Solid SEDDS: III. Application of Acconon C-50® and Gelucire 50/13® as Both Solidifying and Emulsifying Agents for Medium Chain Triglycerides. Submitted to *Journal of Excipients and Food Chemicals* on February 26, 2012.

Swarnava Sanyal, **Blaise Billack** and **Ralph Stephani**, "Novel Synthesis of Sulfur Analogs of Ebselen and Their Role in Inhibiting a Plasma Membrane H⁺/ATPase Pump (Pma1p) in Fungi". *Chemistry Letters*, Sept., 2011.

f. Published Abstracts

O. V. Rice, D. Schonhar, J. Gaál, E.L. Gardner, **C.R. Ashby Jr.** The Dopamine D3 Receptor Antagonist SB-277011A Decreases Binge-Like Consumption of Ethanol in Mice. *Society for Neuroscience Meeting*, Washington, D.C., Nov. 12-16, 2011.

Gardner EL, Rice OV, Heidbreder CA, **Ashby Jr CR**. Selective dopamine D3 receptor antagonism attenuates morphine-triggered cross-reactivation of a cocaine-induced conditioned place preference in rats. *College on Problems of Drug Dependence Conference*, La Quinta, Palm Springs, CA, June 9-14, 2012. Status: pending acceptance.

Joshi, Kaushal, **Barletta, Michael**, Wurlpel, William, “ Neurological and Arrhythmogenic effects of 1,1-Difluoroethane (2012), *Soc.Tox.*;1512,418, March 13

Cantor, JO. The Effect of ETA Receptor Antagonist HJP272 on Amiodarone- and Bleomycin-Induced Lung Injury. *American Thoracic Society*, 2011

Sukhija H., Bijlani K., **Cerreta JM**. Deposition pattern of single walled carbon nanotubes within alveolar macrophages of Golden Syrian Hamsters following inhalation. *The Toxicologist*. 126 2012.

Bijlani K., Sukhija H., **Cerreta JM**. Evaluation of lung response in Golden Syrian Hamster to inhaled single walled carbon nanotubes. *The Toxicologist*. 126 2012.

Chen ZS, Sun Y, Deng W, Chen J, Kathawala R, Kuang Y, Shen T, Tiwari AK, **Ashby Jr. CR**, Fu, L, Dai C. Screening for compounds that reverse MRP7-mediated multidrug resistance in cancer cells. 4th *FEBS Special Meeting-ABC Proteins: From MDR to Genetic Diseases*, Innsbruck, Austria, March 3-9th, 2012.

Wen Deng, Chun-Ling Dai, Xiao-qin Zhao, Shinobu Ohnuma, Yong-ju Liang, Zhi-Jie Xiao, Mu-Sheng Zeng, Suresh V. Ambudkar, Li-Wu Fu, and **Zhe-Sheng Chen**. Tandtutinib (MLN518/CT53518) targeted to stem-like cells by inhibiting the function of ATP-binding cassette subfamily G member 2 *103rd American Association for Cancer Research (AACR)*, March 31~April 4, 2012, Chicago, IL.

Kamlesh S. Sodani, Amit K. Tiwari, Satyakam Singh, Atish Patel, Zhijie Xiao, Junjiang Chen, Yueli Sun, **Tanaji T. Talele**, **Zhe-Sheng Chen**. GW583340 and GW2974, human EGFR and HER-2 inhibitors, reverse ABCG2- and ABCB1-mediated drug resistance, **103rd American Association for Cancer Research (AACR)**, March 31~April 4, 2012, Chicago, IL.

Zhe-Sheng Chen, Yueli Sun, Wen Deng, Junjiang Chen, Rishil Kathawala, Yehong Kuang, Tong Shen, Amit K. Tiwari, **Charles R. Ashby Jr.**, Liwu Fu, Chunling Dai. Screening for compounds that reverse MRP7-mediated multidrug resistance *FEBS-ABC2012 - 4th FEBS Special Meeting on ABC Proteins*, March 3-9, 2012, Innsbruck, Austria.

Jun-Jiang Chen, Dong-Mei Zhang, Jaya Bhatnagar, Amit K. Tiwari, Wei-Min Chen, Suresh V. Ambudkar, Si-Dong Chen, Wen-Cai Ye, and **Zhe-Sheng Chen**. B2B1, one of 23-hydroxybetulinic acid analogs, can modulate ABC transporters mediated MDR. Oral presentation at *8th North American ABC workshop*. Sept. 28-29, 2011, NCI-Frederick, Maryland.

Yueli Sun, Jung-Jiang Chen, Wen Deng, Zhijie Xiao, Rishil Kathawala, Priyank Kumar, Kamlesh Sodani, Si-Dong-Chen, Wenqi Jiang, and **Zhe-Sheng Chen**. XR9576 (Tariquidar) is a potent reversal agent for MRP7 (ABCC10)-mediated multidrug resistance. Oral presentation at *8th North American ABC workshop*. Sept. 28-29, 2011, NCI-Frederick, Maryland.

Atish Patel, Amit K. Tiwari, Kamlesh Sodani, Satyakam Singh, Saraubh Vispute, **Zhe-Sheng Chen**, **Tanaji Talele**, and **Ralph Stephani**. PD173074, a selective FGFR1 and FGFR3 inhibitor, reverses ABCB-1-mediated multidrug resistance. Oral presentation at *8th North American ABC workshop*. Sept. 28-29, 2011, NCI-Frederick, Maryland.

Wen Deng, Chun-ling Dai, Xiao-qin Zhao, Shinobu Ohnuma, Yong-ju Liang, Mu-sheng Zeng, Suresh V. Ambudkar, **Zhe-Sheng Chen**, and Li-wu Fu. Tandtutinib (MLN518/CT53518) targeted to stem-like cells by inhibiting the function of ATP-binding cassette subfamily G member 2 (ABCG2).. Poster at *8th North American ABC workshop*. Sept. 28-29, 2011, NCI-Frederick, Maryland.

Zhe-Sheng Chen. PDE5 inhibitors as modulators of ABC transporter mediated multidrug resistance in cancer. Invited speaker at *Gordon Research Conference- Multi-Drug Efflux Systems*, June 12-17, 2011, Les Diablerets, Switzerland.

Zhe-Sheng Chen. PDE5 inhibitors reverse ABCB1- and ABCG2-mediated chemotherapeutic drug resistance in cancer. Zhe-Sheng Chen. *Keynote speaker at the 2nd Guangzhou International Symposium on Oncology*, May 21-22, Guangzhou, China.

Ford, Sue M. and Aishwarya Sarma Modulation of ochratoxin A cytotoxicity and transport by glucose concentration in the growth medium of cultured kidney cells. FASEB Summer Research Conference on “Nutrient Control of Metabolism and Cell Signaling.” Steamboat Springs, CO, 8/7-8/12/2011.

Ford, Sue M. (2012) Development of a critical thinking tool for undergraduates related to online database searches. *The Toxicologist* 126:S241. Role- Presenter; 100%

Nagavally, Rohan and **Sue M. Ford** (2012) Modulation of p-glycoprotein activity in LLC-PK1 cells by glucose. *The Toxicologist* 126:S262.

Lisa Hoffman and **Diane Hardej**. Ethylene Bisdithiocarbamate Pesticides Maneb and Mancozeb Cause Toxicity in Normal and Transformed Colon Cells Via an apoptotic mechanism *The Toxicologist*, March 2012

Shalini Roy and **Diane Hardej**. Selenium and tellurium Compounds Cause inhibition of Mitochondrial Complex I and II in Rat Hippocampal Astrocytes. *The Toxicologist*, March 2012

Puneet Vij and Diane Hardej. Apoptosis Induction and Antioxidant levels in Tellurium treated transformed and non-transformed human colon cells. *The Toxicologist*, March 2012

Jay Patel and **Vijaya L Korlipara**. Pharmaceutical Sciences Research Forum on October 13, 2011. "Design and Synthesis of Dasatinib Analogues as Tyrosine Kinase Inhibitors". Presentation. Pharmaceutical Sciences Research Forum on October 13, 2011.

LauCam, C., Mathews,E., **Barletta, M.**, Effect of Taurine Analogues on oxidative stress and arterial stiffness on streptozotocin diabetic rats. (2012) *Taurine Conf. Morocco, April 15*

Acharya M. and **Lau-Cam C.A.** Comparative evaluation if the effects of hypotaurine, taurine and thiotaurine on alterations of the cellular redox status and activities of antioxidant and glutathione-related enzymes by acetaminophen in the rat. *Taurine Conf. Morocco, April 15*

Budhram R. and **Lau-Cam C.A.** Protection by taurine and thiotaurine against biochemical and cellular alterations by diabetes in a rat model *Taurine Conf. Morocco, April 15*

Parikh M.C. and **Lau-Cam C.A.**, The effect of taurine on ethanol-induced oxidative stress in the presence and absence of inhibitors of ethanol metabolism, *The Toxicologist*. 126 2012.

Koganti S., Parikh M.C. and **Lau-Cam C.A.**, Comparison of N-acetylcysteine, S-methylcysteine and aminomethanesulfonic acid for the ability to attenuate acetaminophen-induced changes in plasma indices of oxidative stress in the rat. *The Toxicologist*. 126 2012

Pandya K.G. and **Lau-Cam C.**, The effects of acute and chronic treatments with nicotinamide and taurine on diabetes-induced plasma alterations in rats: role of dose variation and co-administration, October 25, 2011. *Annual Meeting of the American Association of Pharmaceutical Scientists*.

Budhram R. and **Lau-Cam C.**, Evaluation of the role of taurine against diabetes-induced oxidative stress in erythrocytes using two rat models of diabetes. *Annual Meeting of the American Association of Pharmaceutical Scientists*

Patel S.N. and **Lau-Cam C.**, Evaluation of taurine and nicotinamide, alone and in combination, as protective agents against diabetes-induced oxidative stress in the central nervous system of rats. *Annual Meeting of the American Association of Pharmaceutical Scientists*

Kode V., **Sadoqi M.** and **Lau-Cam C.**, Design of a lipase-containing self degrading controlled drug delivery system for clonidine hydrochloride as poly(ϵ -caprolactone) nanoparticles. *Annual Meeting of the American Association of Pharmaceutical Scientists.*

Acharya M., Clark G.J. and **Lau-Cam C.**, Lack of correlation between in vitro antiradical activity of taurine and N-acetylcysteine with their protective actions against acetaminophen-induced cell damage and oxidative stress in the rat liver. *Annual Meeting of the American Association of Pharmaceutical Scientists.*

Clark G., Shen Y., Wu W. and **Lau-Cam C.**, In vitro comparative assessment of the free radical scavenging activities of common antidiabetic agents. *Annual Meeting of the American Association of Pharmaceutical Scientists*

Clark G., Pokhrel P., Shen Y., Wu W. and **Lau-Cam C.**, Comparative evaluation of analogs and homologs of taurine for their antioxidant activity using in vitro and in vivo experimental conditions. *Annual Meeting of the American Association of Pharmaceutical Scientists*

V. Sampat and **L. Mantell.** Vitamin C rescues hyperoxia compromised macrophage phagocytic function by inhibiting HMGB 1 release. *The Toxicologist.* 2012. March 126 (1): 1482.

R. A. Sitapara and **L. L. Mantell.** Activation of nicotinic pathway inhibits hyperoxia induced HMGB_1 Release and rescues macrophage phagocytic function. *The Toxicologist.* 2012. March 126 (1): 149

J. Wu, L. Sharma, R. Sitapara, V. Patel, T. P. Kennedy and **L. L. Mantell.** ODSH enhances bacterial clearance in *Pseudomonas aeruginosa* pneumonia. *The Toxicologist.* 2012. March 126 (1): 154

L. K. Sharma, J. Wu, R. Sitapara, V. Patel, T. Kennedy and **L. Mantell.** ODSH improves *Pseudomonas aeruginosa* induced lung injury by decreasing infiltration of inflammatory cells. *The Toxicologist.* 2012. March 126 (1): 154

Kanchan Mishra, Champa N. Codipilly, **Lin L. Mantell**, Mohamed N. Ahmed, Ravikumar Sitapara, Vivek Patel. Overexpression of Extracellular Superoxide Dismutase (EC-SOD) Preserves Macrophage Function In Neonatal Mice Exposed To Hyperoxia, SPR 2011, May 2011

Sundaram S, **Ashby Jr CR**, Abhichandani K, Munnangi S, **Reznik SE**. N,N-Dimethylacetamide (DMA) Prevents Preterm Birth in a Murine Model By Up-Regulating Interleukin 10 (IL-10). Society of Gynecologic Investigation (2012), short talk.

Sundaram S, **Ashby C**, Abhichandani K, Munnangi S and **Reznik SE**. N, N-Dimethylacetamide Controls Infection-Associated Preterm Birth in a Murine Model. Society of Gynecologic Investigation, March 16-19, 2011 meeting, Miami, FL.

Sundaram S, **Ashby Jr CR**, Abhichandani K, Munnangi S and **Reznik SE**. N, N-Dimethylacetamide Controls Infection-Associated Preterm Birth in a Murine Model. Society of Gynecologic Investigation Fourth International Conference at Belo Horizonte, Brazil, May 17-18, 2011, poster presentation.

Sundaram S, Ashby Jr CR, Abhichandani, K, Swapna A, Munnangi, MA, **Reznik, SE**. Title: N, N-Dimethylacetamide (DMA) Prevents Preterm Birth in a Murine Model By Up-Regulating Interleukin 10 (IL-10). SGI, 59th Annual Scientific Meeting, San Diego CA, March 21-24, 2011.

N. Patel, D. M. Dalrymple, **A. T. M. Serajuddin**. Formulation and Characterization of Solid Microemulsion Preconcentrate System for Medium Chain Triglyceride Using Lauroyl Macroglycerides as Solidifying agents, National Meeting of the American Association of Pharmaceutical Scientists (AAPS),

A. T. M. Serajuddin. Formulation Strategy for Lipid-based Oral Delivery of Poorly Water-Soluble Drugs, The 50th Annual Eastern Pharmaceutical Technology Conference, Somerset Holiday Inn, Somerset, NJ

A. T. M. Serajuddin, Challenges and Opportunities of the Pharmaceutical Industry in Bangladesh, Federation of Bangladeshi Pharmaceutical Associations of North America (FOBANA) Annual Conference, New Jersey Convention Center, Secaucus, NJ

N. Patel, D. M. Dalrymple, **A. T. M. Serajuddin**. Formulation and Characterization of a Novel Solid Microemulsion Preconcentrate System for Application in Pharmaceutical Dosage form Development. Presented to the

Annual Scholarship Meeting of New Jersey Association of Pharmaceutical Scientists (NJPhAST), Parsippany, NJ, May 19, 2011. Received Award as one of the top 4 poster presentations.

Nagaraju. Anreddy, **Ralph. A. Stephani**, Ishwar. Sadarangani, Souful. Bhatia and **John. N. Wurpel** “Stereoselective neurotoxicity of some new anticonvulsant n-1’, n-3’-disubstituted chiral spirohydantoin, Society of Toxicology National Meeting, March 11-15, 2012, The Toxicologist. 126:230. 2012

Ying Ma, and **Jun Shao**. Biodistribution of targeted nanoparticles in MDA-MB-231 tumor-bearing mice. *AAPS Annual Conference October, 2011.*

Grishma Patel, **Mostafa Sadoqi**, and **Jun Shao**. Preparation and evaluation of targeted indocyanine green-loaded nanoparticles against ovarian cancer. *AAPS Annual Conference October, 2011.*

Jignesh Patel, **Stanley Kim**, and **Jun Shao**. Intranasal Delivery of Paliperidone: Formulation and in vitro Permeability Study. *AAPS Annual Conference October, 2011.*

Talale, T. Design and Synthesis of PARP-1 Inhibitors Laboratory of Cell Biology, *NCI, NIH, Bethesda*, MD, May 31, 2011

Talele, T. Identification and validation of a novel allosteric pocket on human heat shock protein 70 (Hsp70) homology model for the discovery of Hsp 70 inhibitors. *243rd ACS National Meeting & Exposition, San Diego, CA, March 25-29, 2012*

K.M. Almond; **L.D. Trombetta**. The effects of copper pyrithione on developing zebra fish embryos. *The Toxicologist*. 126:230. 2012.

M. Akhtar; **L.D. Trombetta**. The Cytotoxicity of Manganous Ethylenebisdithiocarbamate (Maneb) in Rat Hippocampal Astrocytes: Involvement of Oxidative Stress and Intrinsic Apoptotic Pathway. *The Toxicologist*. 126:548. 2012.

D.M. Kurzatkowski; **L.D. Trombetta**. The Effects of Maneb on Glutathione and SOD activity in the Hippocampus of Nrf2(-/-) Mice. *The Toxicologist*. 126:548. 2012.

A. Matei; **L.D. Trombetta**. Exposure of rat hippocampal astrocytes to Ziram increases oxidative stress. *The Toxicologist*. 126:548. 2012

B. Presentations

AACP Annual Meeting, San Antonio, TX, July 2011.

Zito, S.W., **Gillespie, M.E.**, Marziliano, A.C. and LaPan, G.M. “Assessment of Student Knowledge in Individual Content Areas for Nine Integrated Drugs and Disease Courses.” Poster

AAPS Annual Conference October, 2011.

Ying Ma, and **Jun Shao**. Biodistribution of targeted nanoparticles in MDA-MB-231 tumor-bearing mice.

Grishma Patel, **Mostafa Sadoqi**, and **Jun Shao**. Preparation and evaluation of targeted indocyanine green-loaded nanoparticles against ovarian cancer.

Jignesh Patel, **Stanley Kim**, and **Jun Shao**. Intranasal Delivery of Paliperidone: Formulation and in vitro Permeability Study.

103rd American Association for Cancer Research (AACR), March 31~April 4, 2012, Chicago, IL.

Wen Deng, Chun-Ling Dai, Xiao-qin Zhao, Shinobu Ohnuma, Yong-ju Liang, Zhi-Jie Xiao, Mu-Sheng Zeng, Suresh V. Ambudkar, Li-Wu Fu, and **Zhe-Sheng Chen**. Tandutinib (MLN518/CT53518) targeted to stem-like cells by inhibiting the function of ATP-binding cassette subfamily G member 2.

Kamlesh S. Sodani, Amit K. Tiwari, Satyakam Singh, Atish Patel, Zhijie Xiao, Junjiang Chen, Yueli Sun, **Tanaji T. Talele**, **Zhe-Sheng Chen**. GW583340 and GW2974, human EGFR and HER-2 inhibitors, reverse ABCG2- and ABCB1-mediated drug resistance.

Annual Meeting of the American Association of Pharmaceutical Scientists in Washington DC, October 23-27, 2011

Pandya K.G. and **Lau-Cam C.**, The effects of acute and chronic treatments with nicotinamide and taurine on diabetes-induced plasma alterations in rats: role of dose variation and co-administration, October 25, 2011.

Abu T. M. Serajuddin, Application of Melt Granulation Technology in the Development of High-Dose Tablet (Exhibit Presentation),

N. Patel, D. M. Dalrymple, **A. T. M. Serajuddin**. Formulation and Characterization of Solid Microemulsion Preconcentrate System for Medium Chain Triglyceride Using Lauroyl Macroglycerides as Solidifying agents,

243rd ACS National Meeting & Exposition, San Diego, CA, March 25-29, 2012

Talele, T. Identification and validation of a novel allosteric pocket on human heat shock protein 70 (Hsp70) homology model for the discovery of Hsp 70 inhibitors.

American Thoracic Society, 2011

Cantor, JO. The Effect of ETA Receptor Antagonist HJP272 on Amiodarone- and Bleomycin-Induced.

College on Problems of Drug Dependence Conference, La Quinta, Palm Springs, CA, June 9-14, 2012.

Gardner EL, Rice OV, Heidbreder CA, **Ashby Jr CR.** Selective dopamine D3 receptor antagonism attenuates morphine-triggered cross-reactivation of a cocaine-induced conditioned place preference in rats. Status: pending acceptance

4th FEBS Special Meeting-ABC Proteins Innsbruck, Austria, March 3-9th, 2012.

Chen ZS, Sun Y, Deng W, Chen J, Kathawala R, Kuang Y, Shen T, Tiwari AK, **Ashby Jr. CR,** Fu, L, Dai C. Screening for compounds that reverse MRP7-mediated multidrug resistance in cancer cells.

Gordon Research Conference-Multi-Drug Efflux Systems June 12-17, 2011, Les Diablerets, Switzerland.

Zhe-Sheng Chen. PDE5 inhibitors as modulators of ABC transporter mediated multidrug resistance in cancer. Invited speaker

2nd Guangzhou International Symposium on Oncology, May 21-22, Guangzhou, China.

Zhe-Sheng Chen. PDE5 inhibitors reverse ABCB1- and ABCG2-mediated chemotherapeutic drug resistance in cancer. Zhe-Sheng Chen. Keynote speaker at the 2nd Guangzhou International Symposium on Oncology, May 21-22, Guangzhou, China.

From MDR to Genetic Diseases, Innsbruck, Austria, March 3-9th, 2012

Sundaram S, **Ashby Jr CR,** Abhichandani K, Munnangi S, **Reznik SE.** N,N-Dimethylacetamide (DMA) Prevents Preterm Birth in a Murine Model By Up-Regulating Interleukin 10 (IL-10).

Laboratory of Cell Biology, NCI, NIH, Bethesda, MD, May 31, 2011

Talele, T. Design and Synthesis of PARP-1 Inhibitors

Annual Scholarship Meeting of New Jersey Association of Pharmaceutical Scientists (NJPhAST), Parsippany, NJ, May 19, 2011

N. Patel, D. M. Dalrymple, **A. T. M. Serajuddin**. Formulation and Characterization of a Novel Solid Microemulsion Preconcentrate System for Application in Pharmaceutical Dosage form Development. Received Award as one of the top 4 poster presentations

8th North American ABC workshop. Sept. 28-29, 2011, NCI-Frederick, Maryland.

Jun-Jiang Chen, Dong-Mei Zhang, Jaya Bhatnagar, Amit K. Tiwari, Wei-Min Chen, Suresh V. Ambudkar, Si-Dong Chen, Wen-Cai Ye, and **Zhe-Sheng Chen**. B2B1, one of 23-hydroxybetulinic acid analogs, can modulate ABC transporters mediated MDR. Oral presentation

Yueli Sun, Jung-Jiang Chen, Wen Deng, Zhijie Xiao, Rishil Kathawala, Priyank Kumar, Kamlesh Sodani, Si-Dong-Chen, Wenqi Jiang, and **Zhe-Sheng Chen**. XR9576 (Tariquidar) is a potent reversal agent for MRP7 (ABCC10)-mediated multidrug resistance. Oral presentation

Atish Patel, Amit K. Tiwari, Kamlesh Sodani, Satyakam Singh, Saraubh Vispute, **Zhe-Sheng Chen**, **Tanaji Talele**, and **Ralph Stephani**. PD173074, a selective FGFR1 and FGFR3 inhibitor, reverses ABCB-1-mediated multidrug resistance. Oral presentation

Wen Deng, Chun-ling Dai, Xiao-qin Zhao, Shinobu Ohnuma, Yong-ju Liang, Mu-sheng Zeng, Suresh V. Ambudkar, **Zhe-Sheng Chen**, and Li-wu Fu. Tandutinib (MLN518/CT53518) targeted to stem-like cells by inhibiting the function of ATP-binding cassette subfamily G member 2 (ABCG2).. Poster

Pharmaceutical Sciences Research Forum on October 13, 2011

Jay Patel and **Vijaya L Korlipara**. . “Design and Synthesis of Dasatinib Analogues as Tyrosine Kinase Inhibitors”. Presentation. Pharmaceutical Sciences Research Forum on October 13, 2011.

Fifth International Biocuration Conference, Washington D.C. USA

Gillespie, M. How Do You Get A Gaggle Of Independent Curators To Work Together: Speaker April 2012

SGI, 59th Annual Scientific Meeting, San Diego CA, March 21-24, 2011

Sundaram S, Ashby Jr CR, Abhichandani, K, Swapna A, Munnangi, MA, **Reznik, SE**. Title: N, N-Dimethylacetamide (DMA) Prevents Preterm Birth in a Murine Model By Up-Regulating Interleukin 10 (IL-10). SGI, 59th Annual Scientific Meeting, San Diego CA, March 21-24, 2011

Society of Gynecologic Investigation, March 16-19, 2011 meeting, Miami, FL.

Sundaram S, **Ashby C**, Abhichandani K, Munnangi S and **Reznik SE**. N, N-Dimethylacetamide Controls Infection-Associated Preterm Birth in a Murine Model. Sundaram S, **Ashby Jr CR**, Abhichandani K, Munnangi S and **Reznik SE**. N, N-Dimethylacetamide

Society of Gynecologic Investigation Fourth International Conference at Belo Horizonte, Brazil, May 17-18, 2011,

Controls Infection-Associated Preterm Birth in a Murine Model. Society of Gynecologic Investigation Fourth International Conference at Belo Horizonte, Brazil, May 17-18, 2011, poster presentation.

Society for Neuroscience Meeting, Washington, D.C., Nov. 12-16, 2011

O. V. Rice, D. Schonhar, J. Gaál, E.L. Gardner, **C.R. Ashby Jr**. The Dopamine D3 Receptor Antagonist SB-277011A Decreases Binge-Like Consumption of Ethanol in Mice.

Society of Toxicology, 51st Annual Meeting, San Francisco, CA, March 2012

S.R. Gadhia, F.A. Barile. Differential effects of cadmium in undifferentiated and differentiated mouse embryonic stem cells on total histone protein production and H3 histone modification pathways. *The Toxicologist*. 126 2012

Konsoula, Z., F.A. Barile. Evaluation of cadmium biphasic cytotoxicity on human embryonal carcinoma and mouse embryonic stem cells. *The Toxicologist*. 126 2012

Joshi, Kaushal, **Barletta, Michael**, Wurlpel, William, “ Neurological and Arrhythmogenic effects of 1,1-Difluoroethane. *The Toxicologist*. 126 2012.

Billack, B. 2012: Two published abstracts; *The Toxicologist*. 126 2012 .

Sukhija H., Bijlani K., **Cerreta JM**. Deposition pattern of single walled carbon nanotubes within alveolar macrophages of Golden Syrian Hamsters following inhalation. Poster Presentation *The Toxicologist*. 126 2012.

Bijlani K., Sukhija H., **Cerreta JM**. Evaluation of lung response in Golden Syrian Hamster to inhaled single walled carbon nanotubes. Platform Presentation *The Toxicologist*. 126 2012.

Ford, Sue M. (2012) Development of a critical thinking tool for undergraduates related to online database searches. *Toxicologist* 126:S241. Role- Presenter; 100%

Nagavally, Rohan and **Sue M. Ford** (2012) Modulation of p-glycoprotein activity in LLC-PK1 cells by glucose. *Toxicologist* 126:S262.

V. Sampat and **L. Mantell**. Vitamin C rescues hyperoxia compromised macrophage phagocytic function by inhibiting HMGB 1 release. *The Toxicologist*. 2012. March 126 (1): 1482.

R. A. Sitapara and **L. L. Mantell**. Activation of nicotinic pathway inhibits hyperoxia induced HMGB 1 Release and rescues macrophage phagocytic function. *The Toxicologist*. 2012. March 126 (1): 149

J. Wu, L. Sharma, R. Sitapara, V. Patel, T. P. Kennedy and **L. L. Mantell**. ODSH enhances bacterial clearance in *Pseudomonas aeruginosa* pneumonia. *The Toxicologist*. 2012. March 126 (1): 154

L. K. Sharma, J. Wu, R. Sitapara, V. Patel, T. Kennedy and **L. Mantell**. ODSH improves *Pseudomonas aeruginosa* induced lung injury by decreasing infiltration of inflammatory cells. *The Toxicologist*. 2012. March 126 (1): 154

Olgun NS, Patel HJ, Vyas V, Stephani RA, Hanna N and **Reznik SE**. Endothelin-A Receptor Antagonists Shut Down Preterm Labor in the Animal Model: A Look at Altered Gene Expression. *The Toxicologist*. 126 2012

K.M. Almond; **L.D. Trombetta**. The effects of copper pyrithione on developing zebra fish embryos. *The Toxicologist*. 126:230. 2012.

M. Akhtar; **L.D. Trombetta**. The Cytotoxicity of Manganese Ethylenedithiocarbamate (Maneb) in Rat Hippocampal Astrocytes: Involvement of Oxidative Stress and Intrinsic Apoptotic Pathway. *The Toxicologist*. 126:548. 2012.

D.M. Kurzatkowski; **L.D. Trombetta**. The Effects of Maneb on Glutathione and SOD activity in the Hippocampus of Nrf2(-/-) Mice. *The Toxicologist*. 126:548. 2012.

Matei; L.D. Trombetta. Exposure of rat hippocampal astrocytes to Ziram increases oxidative stress. *The Toxicologist*. 126:548. 2012.

Taurine Conf. Morocco, April 15

LauCam, C., Mathews,E., **Barletta, M.**, Effect of Taurine Analogues on oxidative stress and arterial stiffness on streptozotocin diabetic rats. (2012)

Acharya M. and **Lau-Cam C.A.** Comparative evaluation if the effects of hypotaurine, taurine and thiotaurine on alterations of the cellular redox status and activities of antioxidant and glutathione-related enzymes by acetaminophen in the rat.

Budhram R. and **Lau-Cam C.A.** Protection by taurine and thiotaurine against biochemical and cellular alterations by diabetes in a rat model.

Twelfth International Conference of Endothelin (ET-12), 2012

Dai M, Shikani HJ, Stephani **RA, Reznik** SE, Tanowitz HB, Weiss LM, Desruisseaux MS. A Novel Endothelin Receptor Antagonist Increases Rates of Cerebral Malaria Survival.

C. Sponsored Research

a. Funded Research Grants

Dr. Chen

Agency: NIH R15; Total Award: \$245,250; Award Period: 2/2010-2/2013

Agency: Ray Biotech Co; Total Award: \$50,000; Award Period: 2/2012-2/2014

Dr. Hardej

Title: Evaluation of the cytotoxicity of ethylenebisdithiocarbamate fungicides, maneb, mancozeb and zineb in transformed and normal colon cell lines; Agency: St. John's University/Support of Summer Research Grant; Total Award: \$10,000; Award Period: June 2011

Dr. Low

Title: Potential differential regulation of the eIF4E-binding proteins, mammalian target of rapamycin (mTor) substrates; Agency: St. John's University; Total Award: \$10,000; Award Period: Spring 2011

Dr. Mantell

Title: The Effects of ODSH on Bacterial Clearance and Lung Injury in Bacterial Pneumoni; Agency: ParinGenix; Total Award: \$15,000; Award Period: 4/2011-12/2013

Title: High mobility group box 1 (HMGB1) in the airway as a therapeutic target in CF; Agency: NIH-NHLBI- 1R15HL093708-01; Total Award: \$500; Award Period: 7/1/2008-6/30/2013

Agency: National Institute of Diabetes and Digestive and Kidney Diseases; Total Award: \$245,000

Title: ODSH Targets Inflammation and Airway Remodeling in CF; Agency: St. John's University; Total Award: \$5,000; Award Period: 6/01/2011-5/30/2012

Dr. Reznik

NIH Grant: 1R01NS069577; Title: Cerebral Malaria: Mechanisms of Disease and Neurological Salvage; Dates: April 15, 2011-April 14, 2016; Total Costs: \$2,018,508 (Sub-award \$317,008)

Dr. Stephani

Title: Design, Synthesis and Evaluation of 1,3,6-Trisubstituted-4-oxo-1,4,-dihydroquinoline-2 carboxylic acid as selective ETA antagonists of their Effects on Cerebral Malaria. Agency: NIH R01; Total Award: \$ 77,000; Award Period: March 2011-2016 (Joint Project with Dr. Sandra Reznik and Dr. Herb Kanowitz, Dr. Minxian Dai, Einstein Medical School and Medical Center, Bronx, NY.)

Title: Design, "Synthesis of Heat Shock Protein Inhibitors as Potential Anticancer Agents", Agency: NIH R15; Total Award: \$400,000 (Part); Award Period: March 2010-2012 (Jointly submitted with Dr. A. Chiosis, Memorial Sloan Kettering Research Institute)

Dr. Talele

Title: Structure-based development of nonnucleoside anti-HIV-1 RT Drugs; Agency: NIH/NIAID (1R21AI074477-A2); Total award: \$441,112; Yearly award: \$208,056; 2009-2011

Title: Design and synthesis of serine derived analogs as HCV NS5B polymerase inhibitors; Agency: St. John's University Seed Grant; Total award: \$5,000; Award Period: 6/1/11-5/31/12

Dr. Serajuddin

Title: Development of Physically Stable Amorphous Drug Substances and Solid Dispersions by Interaction with Counterions and Acidic Polymers and Mechanistic Study of Such Stabilization; Agency: Hoffmann-La Roche, Nutley, NJ; Total Award: \$150,000; Award Period: September 1, 2009 to August 31, 2012.

Title: Physicochemical and Mechanistic Evaluation of Lipids and Surfactants Leading to Development of Lipid-based Drug Delivery Systems; Agency: ABITEC Corp; Total Award: \$280,000; Award Period: November 1, 2009 to October 31, 2013

b. Pending Research Grants

Dr. Chatterjee

Title: Albumin-Bound Betulinic Acid Nanoparticles to Enhance Bioavailability of Betulinic Acid; Agency: NIH-PA-12-006 AREA R15; Total Award: \$448,818; Award Period: 2013-2015

Title: Evaluation of Formulation Excipients for Biowaiver of BCS Class III/IV Drugs; Agency: GatteFosse Inc ; Total Award: \$150,000; Award Period: 2012-2014

Dr. Chen

Title: Lung Cancer; Agency: DOD; Role: Principal Investigator (PI)

Title: Breast Cancer; Agency: Peter T. Rowley Breast Cancer Scientific Research Award

Dr. Hardej

Title: St. John's University Women in Science orientation Program (March 2012); Agency: Patrina Foundation; Total Award: \$12,000; Award Period: March 2012)

Dr. Low

Title: Bioreductively-activated dual-action prodrug of temozolomide and PARP-1 Inhibitor; Agency: NIH; Total Award: \$ 453,750.00

Dr. Mantell

Title: O-Desulfated Heparin Targets Inflammation and Airway Remodeling in Cystic Fibrosis; Agency: Cystic Fibrosis Foundation; Award Period: 7/1/12-6/30/2014

Title: Altered Innate Immunity in Hyperoxia During Space Missions: the Role of HMGB1; Agency: Center for the Advancement of Science in Space (CASIS); Award Period: 7/1/12-6/30/2017

Dr. Ochs

Title: Metabolic Regulation: The Once and Future Science; Agency: NIH/NLM; Total Award: \$150,000; Award Period: Start Dec. 1, 2012; Submitted: Feb 23, 2012

Dr. Reszik and Dr. Stephani

Title: Novel Endothelin Receptor A Antagonists for the Prevention of Infection-Associated Preterm Birth; Agency: March of Dimes Prematurity Research Initiative Grant; Total Award: \$29,000; Status: Letter of Intent Pending

Dr. Serajuddin

Agency: Catalent Pharma; Total Award: \$120,000 (Catalent Pharma has verbally made commitment to provide a 1.5-year grant of \$120,000 for projects on melt extrusion. A draft agreement is being reviewed by the legal departments of St. John's and Catalent, and it is expected that the agreement will be finalized by May 2012.)

Dr. Squillante

Title: Synergistic brain targeting of FITC dextran 4000 using antibody coated magnetic nanoparticles and confirmation by in vivo brain microdialysis proposal for grant prepared. Agency: Catalent.

Dr. Talele

Title: Bioreductively-activated dual-action prodrug of temozolomide and PARP-1 inhibitor; Agency: Agency: NIH/NCI (R21) Resubmitted: Percentile score 44 & impact score 52; Total Award: \$453,750; Award Period: 09/1/2012-8/31/2014

Title: Hepatitis C virus antivirals targeting NS5B polymerase oligomerization; Agency: NIH/NIAID (R01); Role: Project: Collaborator; Total Award: \$165,000; Award Period: 12/1/2013-11/30/2017

Title: Twin Pharmacophore NS5B Inhibitors-A novel approach to conquer HCV resistance; Agency: NIH/NIAID (R21); Total Award: \$418,000; Award Period: 9/1/2012-8/31/2014

c. Unfunded Grants:

Dr. Chatterjee

Title: Estriol and Cortisol as Predictors of Preterm Births in Pregnant Women; Agency: Gates Foundation: Grand Challenges in Global Health: Preventing Preterm Birth RFP; Total Award: \$933,400; Award Period: 2012-2016

Title: Evaluation of drug-drug and drug-transporter interactions in hepatocytes from human and animal model of Type 1 Diabetics; Agency: NIH-PAR-11-052 RO3; Total Award: \$153,105; Award Period: 2012-2014

Dr. Chen

Agency: NIH RO1;

Agency: Chinese National Award for Overseas Study

Dr. Hardej

Title: Protection against ethylenebisdithiocarbamate oxidative injury by antioxidants; Agency: AACP; Total Award: \$10,000;

Dr. Stephani

Title: Design, Synthesis and Evaluation of 1,3,6-Trisubstituted-4-oxo-1,4,-dihydroquinoline-2-carboxylic acid as selective ET_A antagonists as Potential Inhibitors of Preterm Births; Agency: NIH R21

D. Scientific Societies

American Association for the Advancement of Science: **Drs. Gillespie, Dr. Lau Cam, Dr. Reznik, Dr. Korlipara, Dr. Low, Dr. Yoburn**

American Association for Cancer Research: **Drs. Chen, Dr. Kwon**

American Society for Pharmacology and Experimental Therapeutics: **Dr. Yoburn**

American Association of Clinical Chemists **Dr. Lau Cam**

American Association of Colleges of Pharmacy: **Drs. Billack, Dr. Chen, Dr. Lau Cam, Dr. Talele, Barletta, Dr. Korlipara, Dr. Low, Dr. Zito**

American Association of Pharmaceutical Scientists (AAPS): **Dr. Lau Cam, Dr. Billack , Dr. Shao**

American Chemical Society: **Drs Kwon, Korlipara, Talele, Stephani**

American Council on Pharmacy Education: **Dr. Zito**

American Lung Association: **Dr. Mantell**

American Lung Association of New York State: **Dr. Mantell**

American Pharmacists Association: **Dr. Barletta, DR. Zito**

American Peptide Society: **Dr. Talele**

Association for Research in Vision and Ophthalmology: **Dr. Zito**

American Society of Cellular and Gene Therapy: **Dr. Martino**

American Society for Microbiology: **Dr. Ashby**

American Society of Pharmacognosy: **Dr. Lau Cam**

American Thoracic Society: **Dr. Cantor, Dr. Mantell**

FASEB: **Dr. Ochs**

Fellow, College of American Pathologists: **Drs Cantor, Reznik**

Mid-Atlantic Society of Toxicology: **Drs. Trombetta, Ford, Hardej, Mantell, Schanne**

New Jersey Pharmaceutical Association of Science and Technology (NJPhAST): **Dr. Serajuddin**

NY Academy of Sciences: **Dr. Ashby, Dr. Gillespie, Dr. Lau Cam, Dr. Ochs, Dr. Mantell**

New York Biotechnology Association: **Dr. Korlipara**

New York State Council of Health-system Pharmacists: **Dr. Gillespie**

New York State Lung Research Institute: **Dr. Mantell**

Phi Lambda Sigma Pharmacy Leadership Society: **Dr. Barletta, Dr. Zito**

Rho Chi Pharmacy Honor Society: **Dr. Barletta, Dr. Zito**

SAPA: **Dr. Shao**

Sigma Xi, The Scientific Research Society: **Dr. Lau Cam**

Society for Experimental Biology and Medicine: **Dr. Cerreta**

Society for Free Radical Research: **Dr. Mantell**

Society For Neuroscience: **Drs. Ashby, Dr. Yoburn**

Society of Toxicology: **Drs. Billack, Dr. Gillespie, Dr. Trombetta, Dr. Ford, Dr. Hardej, Dr. Mantell, Dr. Schanne**

The American Society for Biochemistry and Molecular Biology (ASBMB): **Dr. Gillespie, Dr. Low**

The Pharmacists Society of the State of New York (Sponsored by College): **Dr. Gillespie, Dr. Korlipara**

E. Patents

Zhi Shi, **Charles R. Ashby Jr.**, **Zhe-Sheng Chen**: "Use of phosphodiesterase inhibitors for treating multidrug resistance" U.S. Provisional Patent 02745.001600. PV, March 2012.

Zito, S.W., **Gillespie, M.E.** Marziliano, A.C. and LaPan, G.M. "Assessment of Student Knowledge in Individual Content Areas for Nine Integrated Drugs and Disease Courses." Poster at AACP Annual Meeting, San Antonio, TX, July 2011.

Department of Pharmacy Administration and Allied Health Sciences

A. Publications

Chiu J.

Chiu J, Economo, J, Markson C, Raicovi V, Howell C, Morote E, Inserra A. What matters most? Perception of Family Income or Parental Education on Academic Achievement, Proceedings of the IBEC, ISSN 1537-2316

Jagannath M, Schommer J, Hadsall R, Huh J. Effects of Anthropomorphic Images and Narration Styles in Promotional Messages For Generic Prescription Drugs. Accepted for publication in Research in Social and Administrative Pharmacy.

Gu A.

Aapro M, Molassiotis A, Dicato M, Pelaez I, Rodriguez-Lescure A, Pastorelli D, Ma L, Burke T, Gu A, Gascon P, Roila F. The effect of guideline-consistent antiemetic therapy on chemotherapy-induced nausea and vomiting (CINV): the Pan European Emesis Registry (PEER). Annals of Oncology. 2012 Mar 6. (Published online)

Gu A. "The Fight Against Counterfeit and Substandard Drugs by Governments, International Agencies and Professional Societies," Fake Medicines Volume I: Policy and Economics, ILM Publications, Hertfordshire, 2012. (Book Chapter)

Kruger D.

Kruger D. The pathophysiology, diagnosis, and management of proteinuria. Journal of the American Academy of Physician Assistants (JAAPA). April 2012; 25(4): 32-36.

Kruger D. The assessment of jaundice in adults: Tests, imaging, differential diagnosis. Journal of the American Academy of Physician Assistants (JAAPA). June 2011; 24(6): 44-49.

Kruger D. Amyotrophic Lateral Sclerosis – Lou Gehrig’s disease. Accepted for publication in Journal of the American Academy of Physician Assistants (JAAPA). July 2012.

Mangione R.

Mangione RA and Patel P. Celiac Disease. In Dipiro JT et.al. (Eds) Pharmacotherapy 2011: 717.

Mangione RA, Patel P, Shin E, Filbert J. Obtaining information about the gluten content of non-prescription drugs: Information for patients with celiac disease. *Journal of the American Pharmacists Association*. 2011;51(6):734-737.

Mangione RA, Patel P. Pharmaceutical care of celiac disease. *US Pharmacist*. 2011;36(12):30-33.

Pal S.

Pal S. Trends in Drug Pricing

<http://www.uspharmacist.com/content/s/167/c/28588/>; *US Pharmacist Generic Supplement*. Posted: June 20, 2011; *US Pharm*. 2011;36(6)(Generic Drugs supple):8-9.

Pal S. Selected Dermatologic Conditions

<http://www.uspharmacist.com/content/d/trendwatch/c/33438/>; Accessed: April 23, 2012; Posted: April 23, 2012; *US Pharm*. 2012; 37(4):8.

Pal S. Selected Ambulatory Disorders in Children and Adolescents;

<http://www.uspharmacist.com/content/d/trendwatch/c/32933/>; Accessed: April 10, 2012; Posted: March 20, 2012; *US Pharm*. 2012; 37(3):6.

Pal S. Risk Factors for Heart Disease;

<http://www.uspharmacist.com/content/d/trendwatch/c/32271/>; Accessed: April 10, 2012; Posted: February 17, 2012; *US Pharm*. 2012; 37(2):8.

Pal S. Selected Neurodegenerative Disorders;

<http://www.uspharmacist.com/content/d/trendwatch/c/31903/>; Accessed: April 10, 2012; Posted: January 20, 2012; *US Pharm*. 2012; 37(1):6.

Pal S. Disorders Associated With Celiac Disease;

<http://www.uspharmacist.com/content/d/trendwatch/c/31427/>; Accessed: April 10, 2012; Posted: December 20, 2011; *US Pharm*. 2011; 36(12):8.

Pal S. Trends in Mental Health Disorders;

<http://www.uspharmacist.com/content/d/trendwatch/c/31041/>; Accessed: April 10, 2012; Posted: November 16, 2011; *US Pharm*. 2011; 36(11):8.

Pal S. Hip Fractures From Falls;

<http://www.uspharmacist.com/content/d/trendwatch/c/30484/>; Accessed: April 10, 2012; Posted: October 19, 2011; *US Pharm*. 2011; 36(10):Epub.

Pal S. Trends in Epidural or Spinal Anesthesia Use;
<http://www.uspharmacist.com/content/d/trendwatch/c/29850/>; Accessed: April 10, 2012; Posted: September 20, 2011; *US Pharm.* 2011; 36(9):8.

Pal S. Trends in Infectious Diseases;
<http://www.uspharmacist.com/content/d/trendwatch/c/29452/>; Accessed: April 10, 2012; Posted: August 19, 2011; *US Pharm.* 2011; 36(8):10

Pal S. Agents Used for Respiratory Disorders;
<http://www.uspharmacist.com/content/d/trendwatch/c/29038/>; Accessed: April 10, 2012; Posted: July 20, 2011; *US Pharm.* 2011; 36(7):8.

Pal S. Trends in Kidney Disease;
<http://www.uspharmacist.com/content/d/trendwatch/c/28580/>; Accessed: April 10, 2012; Posted: June 20, 2011; *U.S. Pharm.* 2011; 36(6):56.

Pal S. Chest and Abdominal Pain Among Emergency Department Patients;
<http://www.uspharmacist.com/content/d/trendwatch/c/28115/>; Accessed: April 10, 2012; Posted: May 18, 2011; *US Pharm.* 2011; 36(5):10.

Podd D.

Podd, D. Platelet Rich Plasma: a Novel Approach in the Treatment of Joint Pain and Wounds. *Accepted for publication* in Journal of the American Academy of Physician Assistants (JAAPA). with scheduled publication June 2012.

Singer-Leshinsky S.

Singer-Leshinsky S. "*Pathogenesis, diagnostic testing, and management of mononucleosis*", Journal of American Academy of Physician Assistants (JAAPA), Haymarket media publishing: May 2012; 25(5): 58-62.

Wu W.

Smith UC, Rajagopalan S, Sajjan S, Shuvayu SS, Wu W, Hu H. Patterns of medication use for the treatment of menopausal symptoms before and after the women's health initiative; implications for decision-making practices of women and women's health professionals. *Health* 2011;3(07): 416-422.

B. Presentations

Arias R.

Arias R. Celiac Disease , The Hidden Epidemic. Regional Conference for the New York State Society of Physician Assistants. October, 2011

Arias R. Celiac Disease , The Hidden Epidemic. National Conference for the Society of Physician Assistants in Pediatrics. New Orleans. March 2012

Chiu J.

Chiu J. Putting Theory into Practice – A Simulated Approach CTL Fellows’ Presentations on Research in Teaching and Technology – April 2011

Chiu J. Which Matters Most? Perceptions of Family Income or Parental Education on Academic Achievement, January 5th – 8th, 2012, Hawaii International Conference on Education (Waikiki, HI),

Chiu J., Economos, J., Markson C., Raicovi V., Howell C., Morote E., Inserra A. Which Matters Most? Perceptions of Family Income or Parental Education on Academic Achievement, January 5th – 9th, 2012, International Business and Economy Conference (Hawaii)

Chiu J., Economos, J., Markson C., Raicovi V., Howell C., Morote E., Inserra A. Which Matters Most? 7th Practical Research Symposium Dowling College April 28, 2012

Kruger D.

Singer-Leshinsky S, Kruger D. “Simulation Learning in Physician Assistant Classroom”. Presentation at Physician Assistant Education Association (PAEA) Annual Conference, New Orleans, LA. November 2011.

Kruger D, Beysolow S, Singer-Leshinsky S. Interprofessional Learning in the Allied Health Curriculum. St. John’s University Junior Faculty Research Colloquium, Queens, NY. October 12, 2011

Kruger D. The assessment of jaundice in adults: Tests, imaging, differential diagnosis. New York State Society of Physician Assistants (NYSSPA) Annual Fall Conference, Saratoga Springs, NY. September 16, 2011

Hochstein L.

Hochstein L. Interesting Cases in Clinical Microbiology, at the American Society for Clinical Laboratory Science – New York (ASCLS-NY), Farmingdale, NY, June 3, 2011 (invited speaker)

Hochstein L. Interesting Cases in Clinical Microbiology, American Society for Clinical Laboratory Science (ASCLS) Region I, Springfield, MA, November 19, 2011 (invited speaker)

Hochstein L. Interesting Cases in Clinical Microbiology, American Society for Clinical Laboratory Science (ASCLS) Region I, Springfield, MA, November 19, 2011 (invited speaker)

Mackey M.

Mackey, M. A Pharmacy Law Update. American Health Resources in Melville, NY. June 2011.

Nayak R.

Rajpura J, Majethia U, Nayak R (2011). Variations In The Impact Of Illness Perceptions And Medication Beliefs On Medication Compliance Of Elderly Versus Geriatric Hypertensive Cohorts: A Comparative Analysis. 16th Annual International Meeting, May 21-25, 2011. Baltimore, Md.

Khater S, Nayak R (2012). Perceptions Of Service Quality, Satisfaction And Customer Loyalty: Are There Differences Between Chain And Independent Pharmacy Stores? St. John's University Student Research Month, April 2012.

Majethia U, Nayak R (2012): Assessment Of Dementia Risk Among Caregivers Of Alzheimer's Care Recipients. 17th Annual International Meeting, June 2 - 6, 2012. Washington DC, USA.

Singh Rr, Nayak R (2012): Impact Of Fda Black Box Warning On The Prescribing Of Atypical Antipsychotics In Non-Institutionalized Dementia Patients. 17th Annual International Meeting, June 2 - 6, 2012. Washington DC,

Singh Rr, Nayak R (2012): Atypical Antipsychotic Black Box Warning And Its Effect On Non-Antipsychotic Psychotropic Drugs In Non-Institutionalized Dementia Patients. 17th Annual International Meeting, June 2 - 6, 2012. Washington DC.

Khater Sm, Nayak R (2012): An Assessment Of Service Quality And Its Effect On Customer Satisfaction In Community Pharmacy Stores. 17th Annual International Meeting, June 2 - 6, 2012. Washington DC.

Pal S.

Pal S. Going Global: Faculty and Student Perspectives, The President's Multicultural Advisory Committee and the Center for Teaching and Learning; Queens campus; February 9, 2012.

Singer-Leshinsky S.

Singer-Leshinsky S. "Attention Deficit: Early recognition and Intervention as the key to success". Presentation at New York State Society of Physician Assistant (NYSSPA) Annual Conference, Saratoga, NY. September 2011.

Singer-Leshinsky S, Kruger D. "Simulation Learning in Physician Assistant Classroom". Presentation at Physician Assistant Education Association (PAEA) Annual Conference, New Orleans, LA. November 2011.

Kruger D, Beysolow S, Singer-Leshinsky S. Interprofessional Learning in the Allied Health Curriculum. St. John's University Junior Faculty Research Colloquium, Queens, NY. October 12, 2011

Wu W.

Gregory J, Hughes GJ, Cassagnol M, Wu W, Smith CJ, Howland MA, Sym D, El-Chaar GM. Evaluation of Student Outcomes with Regard to Number of Faculty Teaching or Use of Weekly Quizzes in a Team-Taught Pharmacokinetics Course. St. John's University Faculty Research Forum April, 2012.

Bhagnani T, Wu W. Geographical Disparities in Receiving Preventive Care among Older Adults in United States, St. John's University's Research Month Student Research Events. April, 2012.

Gala S, Wu W. "Prescribing Patterns Of Drugs Having Anticholinergic Activity In-patients With Alzheimer's Disease," St. John's University's Research Month Student Research Events.. April, 2012

Wu, W Pharmacy Education Reform --- Pharm. D. or D. Pharm. Taipei Medical University, Taipei Taiwan Dec. 20, 2011

C. Sponsored Research

Chiu C.

Chiu C. CTL Fellowship in Teaching with Technology – Funded Grant of \$2,000 (2009-2011)

Hwang M.

Hwang M. Identifying Underserved HIV Patients' Barriers to Medication Adherence. SJU Summer-2011 faculty research grant. \$10,000.00 (Funded)

Mangione R.

Mangione R. Gluten in Medications. Sponsored by National Foundation for Celiac Awareness (NFCA). Co-Investigator. \$50,000 (Funded)

Nayak R.

Nayak R. Off-label prescribing and polytherapy of Atypical Antipsychotics--A double whammy for dementia residents in nursing homes? A systematic exploration of evidence. SJU Summer-2011 faculty research grant. \$9000.00 (Funded)

Wu W.

Merck Fellowship Grant: \$ 148,875. Sept. 9, 2011 (Funded)

Travel Grant from International Society of Pharmacoeconomics and Outcomes Research (ISPOR) to attend Vision 2020 Implementation Task Force Leadership Retreat: Approximately \$800 (Funded)

D. Honors, Awards, and Recognitions

Chiu J.

Board of Directors and Secretary / Treasurer Association of Educators in Imaging and Radiologic Science (AEIRS)

Hochstein L.

Co-chair of the Seminar Committee for the Annual meeting of the American Society for Clinical Laboratory Science – New York (ASCLS-NY) for 2012 (session organizer)

Kruger D.

Kruger D 2nd place *Paragon Publishing Award* American Academy of Physician Assistant (AAPA) 2012

Perry M.

Conference Coordinator at the AERT Conference in Oswego, New York April 2011.

Moderator at the AERT Conference in April 2011.

Team Leader for the Joint Review Committee for Education in Radiologic Technology (JRCERT) Site Visitors – Reappointment January 2012

Team Leader for the Joint Review Committee for Education in Radiologic Technology: August – West Virginia University Hospital, and January – Springfield Technical College

Parliamentarian for the Association of Educator in Radiologic Technology for New York State

President of the Nassau-Suffolk Society for Radiologic Technologist

Wu W.

Invited to participate in ISPOR Vision 2020 Implementation Task Force Leadership Retreat

E. Other Activities

Hochstein L.

Completed the re-accreditation process for the Clinical Laboratory Sciences program through the National Accrediting Agency for Clinical Laboratory Science (NAACLS), October, 2011

Hwang M.

Manuscript Reviewer for Journal of the American Pharmacists Association

Mackey M.

Manuscript Reviewer on a Pharmacy Technician text for Delmar Cengage Learning.

Nayak R.

Abstract Reviewer for 16th Annual International Meeting, ISPOR (2011).

Manuscript Reviewer for Journal of the American Pharmaceutical Association

Gregory-Fernandez P.

New York State Society of Physician Assistants (NYSSPA)

Chairperson Second Annual NYSSPA Fall Conference Poster Session

Education Committee Member

Editorial Staff NYSSPA Newsletter

Annual NYSSPA Fall Conference Facilitator

Annual NYSSPA Fall Conference Education Committee Panel Presenter

Wu W.

Manuscript Reviewer for Saudi Pharmaceutical Journal