

MESSAGE *from the* PRESIDENT



Touro College Research Day—organized and implemented by our faculty's Touro College Research Collaborative—is a day-long embodiment of our institution's commitment to intellectual curiosity and scientific advancement. It is through the varied and impressive work of our faculty and students that we are best able to showcase the notable scope of Touro's research activities and academic offerings.

Exhibited student and faculty research projects span everything from medicine and social work to law and theater. Among universities, we are one of the most authentic world microcosms, determined to explore and further develop every field of academic scholarship and all realms of applied, practical knowledge. Touro's reach, both in terms of academic offerings and experiential, community-based learning opportunities, is unparalleled. Research Day is but a small window into the world of change we and do effect.

This year's Research Day will address Diabetes, a disease affecting tens of millions of Americans, nearly double the number affected twenty years ago. The metabolic abnormalities associated with Diabetes alter a variety of body processes. Diabetes affects wound healing, clotting and the development of Atherosclerosis, all of which make the treatment of cardiovascular disease in Diabetes different from its treatment in the general population. As a Cardiologist and University President, I am particularly interested in investing in research that furthers our understanding of this complex treatment intersection.

Today, you will be privileged to hear from Dr. Steven Shoelson, an internationally recognized leader in diabetes research and professor of medicine at Harvard Medical School, as well as our very own Dr. Jean-Marc Schwarz, professor of Biochemistry in the Touro College of Osteopathic Medicine and Director of the Metabolic Research Center at Touro University California. These two speakers are exemplars of what we, as an institution, seek to do every day: they investigate their surroundings, probe with sophisticated questions and creativity, acquire and apply available resources and, ultimately, uncover a little bit more of the mystery of our world.

Today, I am proud to invite you to engage with Touro's faculty and students to talk about the research initiatives that fuel their professional and educational passions. I hope that this exhibition induces greater investment in our research efforts and inspires more collaboration and synergy across the entire university system.

Dr. Alan Kadish

President | Touro College and University System

WELCOME to TOURO COLLEGE RESEARCH DAY

On behalf of the Touro College Research Collaborative, I am delighted to welcome you to our seventh annual Research Day. Here we highlight original research by faculty and students and celebrate the contributions that they have made across the spectrum of disciplines that makes Touro College an especially broad intellectual community.

This year our formal program focuses on diabetes, a disease that affects millions of Americans and hundreds of millions of people around the globe, with significant attendant healthcare and other costs. We are delighted to have two acclaimed researchers joining us: Dr. Steven Shoelson, M.D./Ph.D., as our Research Day Distinguished Keynote Speaker; and, Dr. Jean-Marc Schwarz, Ph.D., as our Touro College & University System Distinguished Research Speaker. You will find more information about them and their presentations later in this booklet.

Faculty members pursuing biomedical and health sciences research and seeking a supportive community of fellow scholars to aid in their work established the Research Collaborative. Over time, the Collaborative expanded to encompass all interested researchers regardless of subject. Collaboration provides not only a cost-effective research strategy, but enhances opportunities across interdisciplinary fields. One vehicle to help reach those objectives became Touro College Research Day. For over a decade, the Collaborative has been helping investigators in a number of ways, including assistance in statistics, research design, networking, and finding consultants. We thank the faculty involved in planning activities for this year: Brian Chiswell and Nirupama Narayanan (Biology); Piotr Kozlowski, (Osteopathic Medicine); Maryellen Luczun and Sandra Russo (Nursing); Meira Orentlicher (Occupational Therapy); June Kume and Christopher Voltmer (Physical Therapy); Joseph Indelicato (Psychology); and Isabella Reichel (Speech and Language).

President Alan Kadish's multifaceted research initiatives have motivated researchers across the College and across the Touro College and University System. This daylong event caps off ongoing research-oriented activities and events throughout our many different campuses—among which are awards under Presidential Research Development Grant Program, whose 2018 recipients will be recognized today.

The Touro College Research Collaborative acknowledges the tremendous support given towards organizing Research Day offered by: President Kadish; Provost for Biomedical Research Salomon Amar; Provost for the Graduate and Professional Divisions Patricia Salkin; Vice President for Undergraduate Education and Dean of Faculties Stanley Boylan; the Touro College Research Council; our Harlem Campus hosts at the College of Osteopathic Medicine and the College of Pharmacy; and, the Office of Sponsored Programs.

A list of titles and authors of the posters displayed during the afternoon's sessions follow. Please visit our colleagues to hear about their projects and their noteworthy results while being amazed at the great diversity of research interests at Touro.

Enjoy this sharing of knowledge—and drink in the energy of learning. On behalf of the Touro College Research Collaborative, we thank you for participating.

Joseph Indelicato, MSW, Ph.D.

Chair, Touro College Research Collaborative



It is a great pleasure to welcome you to the Harlem Campus of Touro College for our 2018 Research Day. This annual program highlights the rich research and scholarly activities taking place across the New York campuses of our College. Touro College is a diverse institution, with an undergraduate division, a graduate division, and professional schools. The scholarly and research interests of our faculty and students reflect that diversity—as witnessed by the breadth of exciting poster presentations you will see today.

Under the leadership of Research Provost Dr. Salomon Amar, President Kadish's vision of expanding our scholarship and research footprint, and fostering collaborations among the faculty of Touro College at all levels and across our widespread campuses of the Touro College and University System, is being implemented at a rapid pace. Increased funding for research in the sciences and in the humanities and social sciences is being invested by Touro College to encourage the innovative and creative work of our faculty. Last year, a Presidential Faculty Award was also established to recognize excellence in faculty research and scholarship. Through the monthly entries in our Faculty Focus e-news, it is evident that our excellent teaching faculty is also building and supporting a growing community of excellent researchers. I am truly proud of the individual and collective accomplishments of the Touro College faculty.

A special thank you to the members of the faculty Touro College Research Collaborative who have coordinated today's program and to the faculty and student participants and presenters. Research Day arose out of a faculty-based initiative and that sense of initiative is a firm foundation for Touro's future success. Thank you also to Glenn Davis and Arnita Liebman in our Office of Sponsored Programs whose support and guidance are critical not only to Research Day, but to the increasing level of grant submissions and funding for Touro College.

Patricia E. Salkin, J.D.

Provost, Graduate and Professional Divisions



With deep appreciation for the tremendous effort involved, I would like to thank all of those who have contributed to the development of this year's Research Day program. The continuing expansion of Research Day is the embodiment of the intellectual vitality demonstrated by Touro College, an institution of higher education that continues to have at its core an enriched undergraduate experience. Our late President Dr. Bernard Lander founded Touro College over forty-five years ago with about three dozen undergraduate students. Under the leadership of President Alan Kadish, the institution, its faculty, and their research contributions have grown exponentially, both at Touro College and across the Touro College and University System.

Traditionally focused on excellence in instruction, scholarship and research has always had its place within the College. While we will continue to be primarily a teaching institution, scholarship and research take many pathways and always enriches teaching. Touro College Undergraduate and Graduate faculty are making outstanding contributions in areas of science and the humanities. The challenge of research which Dr. Kadish has placed before us is invigorating—and no greater evidence of the enrichment for all involved exists than what we experience on Research Day.

Like the Provost, I want to thank all who have organized and participated today. In particular, I would like to congratulate the student researchers who are presenting. We are very proud of them and their accomplishments, which shine a bright beacon on Touro's accomplishments.

Stanley L. Boylan, Ph.D.

Vice President of Undergraduate Education | Dean of Faculties

WELCOME to YOU



It is my privilege to welcome you once again to Touro College Research Day. Well into my second year at TCUS, I can personally attest to the impressive progress of our faculty researchers throughout the Touro College and University System as we collectively work to advance our research mission.

We have much to be proud of. I'll mention a few notable examples. We just launched a new initiative to support and strengthen faculty research by offering training in research development. Dean Lou Primavera of our School of Health sciences is leading a series of engaging workshops, and our library staff at Touro College has crafted a series of informative webinars. Today we will be recognizing and celebrating our second class of distinguished faculty researcher recipients of the Presidential Research Development Program awards. And our system-wide Bridge and Seed funding grants competition supporting biomedical and health sciences projects is currently underway for 2018.

Last fall the MODI (Metabolic Obesity Diabetes Initiative) was launched via a university-wide teleconference involving a number of our faculty with research interests in obesity and diabetes. It was interesting to note that a significant number of TCUS scientists are focused on understanding diabetes, a disease that affects more than 30M people in the U.S., with a significant burden on health care costs. Diabetes, along with the MODI, has emerged as a critical research focus worthy of further investment.

Today's program could not be more apropos. Steven Shoelson, our Research Day Distinguished Keynote Speaker, is a world-class scientist, recognized as a leader in pioneering new approaches for treating and preventing type 2 diabetes and cardiovascular disease based upon the underlying pathobiology of these conditions. Jean-Marc Schwarz, our Touro College and University System Distinguished Research Speaker, and his colleagues at the Metabolic Research Center at our California campus, have garnered much press around their studies of the deleterious effects of consuming sugar-sweetened beverages and foods containing fructose and other added sugars. I am confident you will find their talks immensely stimulating.

Research Day reminds us of the uniqueness of Touro College across all of our campuses, with its diversity of scholarly interests on the part of our faculty and students in humanities, social sciences, basic sciences, and biomedical and health sciences; and at all levels -- professional, graduate, and undergraduate. Please support our colleagues by visiting them at the poster sessions. Applaud them on their excellent and ground-breaking work that strengthens the renowned research reputation of the College as we work together towards our collective success.

Finally, let me express my appreciation for Dr. Kadish's leadership in his vision to expand the research portfolio throughout the Touro College and University System, and to Provost Salkin for her partnership and never-ending support as we have worked together to implement these initiatives.

Salomon Amar, D.D.S., Ph.D.

Provost for Biomedical Research/Chief Biomedical Research Officer, Touro College & University System

RESEARCH DAY DISTINGUISHED KEYNOTE SPEAKER

“How to Teach Old Drugs New Tricks”



Steven Shoelson, M.D., Ph.D.

Dr. Shoelson will discuss relevant concepts relating potential roles of obesity in the pathophysiology of type 2 diabetes (T2D) and cardiovascular disease (CVD) prior to describing the clinical trials his team conducted to determine that the world's oldest anti-inflammatory drug, salicylate, lowers blood glucose in patients with T2D. He then delves into mechanism to show how this occurs. Then he will show why uric acid is elevated in obesity, and how this affects normal physiology by depleting upstream purine metabolites in liver and adipose tissue. And he will show that xanthine oxidase inhibitors including allopurinol restore the depleted purines to affect the same major metabolic pathways targeted by salicylate.

Dr. Shoelson is an internationally recognized leader in diabetes research. He is a Professor of Medicine at Harvard Medical School, and the Helen and Morton Adler Chair, Head of the Section on Pathology and Molecular Pharmacology, and Associate Director of Research at the Joslin Diabetes Center. He received a Ph.D. in chemistry and then his M.D. from the University of Chicago. He then moved to Boston for internship and residency training in Internal Medicine at the Brigham and Women's Hospital. He has been on the faculties at the Joslin and Harvard Medical School since 1988. He has received numerous awards and honors, including a Burroughs Wellcome Fund Scholar Award in Experimental Therapeutics, the Excellence in Diabetes Research Award of the Juvenile Diabetes Research Foundation, a MERIT award from the National Institutes of Health, the Caledonian Prize of the Royal Society of Edinburgh, and the Donald F. Steiner Award for Outstanding Achievement in Diabetes Research. He is well known for studies attempting to pioneer new approaches for treating and preventing type 2 diabetes and cardiovascular disease based on the underlying pathophysiology of these conditions.

TOURO COLLEGE & UNIVERSITY SYSTEM DISTINGUISHED RESEARCH SPEAKER

“Fructose: a sweet way to make “foie gras” and increase your risk for diabetes and cardiovascular disease”



Jean-Marc Schwarz, Ph.D.

There is increasing evidence from both epidemiologic and interventional studies of the deleterious effects of consuming sugar-sweetened beverages and other foods containing fructose and other added sugars. However, the causal effect of sugar has been questioned because most sugar studies have a concomitant excess calorie intake. Recent sugar studies have shown that sugar-sweetened beverages in energy balance also lead to the same deleterious effects. Chronically elevated de novo lipogenesis (DNL) during both fasting and feeding may be a key mechanism in the link between consumption of added sugar and metabolic abnormalities, including obesity, high lipid levels, cardiovascular disease, NAFLD, insulin resistance, and type 2 diabetes.

Dr. Schwarz graduated from Lausanne University Switzerland. He is professor of Biochemistry in the College of Osteopathic Medicine and Director of the Metabolic Research Center, Touro University California and adjunct professor of medicine at the University of California San Francisco. For the past 25 years, he has performed NIH-funded translational research. His main interest is in glucose and lipid metabolism as intermediate processes in the development of chronic diseases, with a special focus on mechanistic studies to evaluate the effect of nutritional and lifestyle intervention. His expertise is the use of stable isotope tracer methodology applied to clinical translational research.



SCHEDULE

MAY 1, 2018

11:30 a.m.-12:30 p.m. **Luncheon:** Cafeteria (4th Floor)

.....
*Program will take place in the Lecture Hall 1 (2nd Floor) and
Overflow Room Lecture Hall 2 (2nd Floor)*
.....

12:45-12:50 p.m. **Opening Remarks on Behalf of the
Touro College Research Collaborative**
Joseph Indelicato, Ph.D.
Chair, Touro College Research Collaborative

12:50-1:00 p.m. **Welcome**
Alan Kadish, M.D.
President, Touro College & University System

1:00-1:15 p.m. **Recognition of Presidential Research
Development Grant 2018 Award Recipients
& Introduction to Distinguished Speakers**
Salomon Amar, D.D.S., Ph.D.
*Provost for Biomedical Research/
Chief Biomedical Research Officer,
Touro College and University System*

1:15-2:00 p.m. **Research Day Distinguished Keynote Speaker**
"How to Teach Old Drugs New Tricks"
Steven Shoelson, M.D./Ph.D.
Harvard Medical School & Joslin Diabetes Center

2:00-2:30 p.m. **Touro College & University System
Distinguished Research Speaker**
***"Fructose: a sweet way to make 'foie gras' and
increase your risk for diabetes and
cardiovascular disease"***
Jean-Marc Schwarz, Ph.D.
*College of Osteopathic Medicine,
Touro University California*

2:30-2:45 p.m. **Question and Answer Session**

2:45-3:00 p.m. **Break**

Poster Sessions

3:00-3:30 p.m. **First Poster Session (2nd Floor)**

3:45-4:15 p.m. **Second Poster Session (4th Floor)**



THANK YOU
to our
SPONSORS

Colgate®

DESIGNS
FOR VISION



POSTERS

ART

ART01: Grenadir, A.

Art as Therapy for Traumatic Brain Injury- A Case Study

ART02: Terry-Seidenberg, R., Blatt, B.

War and Politics intersecting the World of Play: Children's Toys during the Two World Wars

BEHAVIORAL SCIENCES/ PSYCHOLOGY

+BEH01: Ambalu, M., Levy, N., Gordon, G., Lacks, N., Ruchelman, S., Resnick, A., Adler, Z., Waxman, R.

Pupillary Responses and Perceptual Organization: Implications for Basic Processing Mechanisms

BEH02: Ambalu, M., Levy, N., Gordon, G., Lacks, N., Ruchelman, S., Adler, Z., Resnick, A., Waxman, R.

Stimulus characteristics impacting on perceptual organization: Implications for reaction time and accuracy

BEH03: Dadabayev I.

Assess the Relationship Between Shoulder and Neck Pain Among Computer Users

BEH04: Friedman, A., Sherman, R.

Relationship between the SSW test and Learning Preferences of College Students

BEH05: Greenwich, Z.

Correlation between Sleep Disturbances and Dementia

BEH06: Mortenson, K.

Therapeutic Approaches in the Treatment of Post Stroked Depression

BEH07: Navarrete, J.

Treatment of Post Traumatic Stress Disorder In Veterans

BEH08: Policastro, J.

Effects of Massage Therapy on Pain

BEH09: Walkenfeld, F., Johnoson, K., Finkelstein, R.

Motivation for Religious Behavior Among American Jews

***NU01/OT10/BEH10:** Luczun, M., Aleman, S., Indelicato, J.

Changing Attitudes toward the Mentally Ill amongst Nursing Students

BIOLOGY

BIO01: Ajab, F.

Bioassays for the Antibacterial Activity Protease and Protease Inhibition and Antioxidant Activity of ten Selected Plants

+BIO02: Baitelman, M., Becker, Z., Nowosiolski, J., Chiswell, B.

Analyzing Stomach Cancer Patient Data From The Cancer Genome Atlas

+BIO03: Frimerman, R., Yusupova, V., Liao, Y., Chiswell, B.

Directing Gene Expression in Stem Cells to Treat Epidermolysis Bullosa

BIO04: Kantor, B.

Consequences of Untreated Obstructive Sleep Apnea

BIO05: Krasnow, B.

Effects of Drug Abuse on Oral Health

BIO06: Narayanan, N.

Student Perceptions of the Effectiveness of Using iPads for Collaborative Learning in Biology

BIO07: Rapoport, P.

Using Dental Stem Cells to Regenerate Tooth Tissue and Whole Tooth Replacement

BIO08: Saunders, A., Feldman, H.

What would happen if Coral reefs ceased to exist?

BIO09: Schacter, A.

Upper Limb Prosthesis: A Functional Replacement for the Biological Limb?

BIO10: Silberberg, M.

Cyclodextrin as a Drug Carrier Increasing Drug Solubility

+BIO11: Waldman, S., Biel, Y., Peter, Y.

Effect of the leucine-rich repeat kinase protein expression in lung epithelial function

BUSINESS

BU01: Amjad, S.

Assesment of antimicrobial prescription patterns of doctors in combined military hospital sialkot

BU02: Amjad, S.

Comparative evaluation of side effects of typical and atypical antipsycotics in psychotic patients at Punjab Institute of Mental Health, Lahore, Pakistan

***+BU03/EDU04:** Brock, S., Bobley, L.

Internet Young User Behavior Analysis

CHEMISTRY

CB01: Baumgarten, D., Kanter, B., Bibi, M., Mintzer, E.

Biphsical Studies of Daptomycin and Its Analogs

ECONOMICS

ECO01: Ramrattan, L., Szenberg, M.

Distressed US Industries in the Era of Globalization

ECO02: Szenberg, M., Ramrattan, L.

American Exceptionalism: Economics, Finance, Political Economy, and Economic Laws

ECO03: Szenberg, M.

Hell is Other People, Heaven is Other People. Together They Summarize the Human Condition

EDUCATION

EDU01: Chen-Worley, S.

FOXP2 and Language Learning

EDU02: Courey, S., Bellavia, T., Haber, R.

Young Academic Music

EDU03: Strassfeld, B.

Wizard of Woz

***+BU03/EDU04:** Brock, S., Bobley, L.

Internet Young User Behavior Analysis

GEOLOGY

GEO01: Ahdut, L., Klatzko, L., Farkas, D., Feldman, H.

Geology of the Metropolitan Area: Did Dinosaurs Live here?

GEO02: Melman, T., Feldman, H.

Wegener's hypothesis of continental drift: fossil and geological evidence

GEO03: Rosensaft, M., Feldman, H.

Interactive map of some important geological and fossil localities along the southern Tethyan margin

MATHEMATICS

MA01: Grenadir, A.

Deduction- Two Approaches: Ramchal versus Aristotle

NURSING

***NU01/OT10/BEH10:** Luczun, M., Aleman, S., Indelicato, J.

Changing Attitudes toward the Mentally Ill amongst Nursing Students

OCCUPATIONAL THERAPY

OT01: Chiariello, B., Aghalarian, A., Green, S., Seliger, J.

From Expert OT Clinician to Novice Academician: The First Three Years

OT02: Collins, T., Karp, P., Lavin, K.

Continued Competency in the Role of Fieldwork Educator: A Proposed Exploratory Survey and Descriptive Study om Expert OT Clinician to Novice Academician: The First Three Years.....

OT03: Kardachi, J.

Inclusion of Occupational Therapy in Local Age-Friendly Initiatives

OT04: Molinsky, R., Hertz, D., Lazarus, S., Mintz, N., Salamon, M., Zilber, R.

Behavior Risk Factors Associated with Diabetes Mellitus in the Orthodox Jewish Community

OT05: Molinsky, R., Knobel, R., Weiss, F., Vogel, O., Greenberger, B.

Diversity in Leadership among the Multicultural Diversity and Inclusion Network

OT06: Orentlicher, M., Fazilov, R., Rand, T., Taubman, N.

Participatory Action Research on the Experiences of Individuals who Receive Disability Funding through Consumer- Directed Funding Models

OT07: Precin, P.

Clinical intervention for co-occurring substance abuse and mental illness

OT08: Precin, P., Bodner, E., Gallardo, P., Jacobson, E., Losonci, D., Maslow, A.

A Pilot Study Evaluating the Efficacy of Interventions for Altering Time Perspectives of Occupational Therapy Master's Students

OT09: Zeidler, S., Christensen, C., Leshinger, C., Stein, S.

Clinician's and Educators' Perspectives on the Usefulness and Effectiveness of Puzzle Art Therapy in Screening for and Remediating Visual Skills Deficits in Children and Adults

***NU01/OT10/BEH10:** Luczun, M., Aleman, S., Indelicato, J.

Changing Attitudes toward the Mentally Ill amongst Nursing Students

OSTEOPATHIC MEDICINE

OST01: Ahden, S., Giza, J., Wolf, D., Giovanis, A., Indelicato, J., Torrents, M.

The Effect of Osteopathic Manipulation on Resting Metabolic Rate, Anxiety, and Depression

OST02: Becher, N., Naghi, E., Simani, L., Karkare, N., Kozlowski, P.

Ethical Challenges in the Diagnosis and Treatment of Osteoporosis

OST03: Bhuyain, N., Riviello, C., Wilken, P., Bruno, F.

Impact of Body Mass Index (BMI) and Gross Motor Function Classification System (GMFCS) on Constipation in the Special Needs Population

OST04: Chen, J., Degenhardt, K.

Mitochondrial Endonuclease Expression in HeLa Cells

OST05: Chin, J., O'Toole, P., Lin, J., Lavalliere, J., Amine, N., Milam, A., Huang, G., Asghar, M., Sahni, S., Bahri, T.

Developing a Medical Student-Run Auditory Screening Program: Listening to the Community and Addressing Concern

OST06: Chin, J., O'Toole, P., Lin, J., Lavalliere, J., Amine, N., Milam, A., Huang, G., Asghar, M., Sahni, S., Bahri, T.

The Effect of Medical Student-Run Vision Screening Programs and Ophthalmic Education and Recognition of Visual Impairment in Harlem, New York

OST07: Chin, J., Chen, J., O'Toole, P., Lin, J., Hao, M., Naito, T., Truong, K., Lin Yu, Z., Nguyen, D., Hong, C., Sahni, S.

Establishing an Asian and Pacific American Medical Student Association Chapter In an Osteopathic Medical School: A Case Study

OST08: Chin, J., O'Toole, P., Lin, J., Velavan, S.

Hepatic Morphology: Variations and its Clinical Importance

OST09: Dorritie, M., Sahni, S., Cheema, M., DiCaprio, K., Iftikhar, A.

Human Metapneumovirus, An Uncommon but Increasing Cause of Acute Respiratory Distress Syndrome

OST10: Dubovis, M., Dressman, K., Popal, S., Fanning, S.

The Effects of Prenatal Stress on Immune Development in Offspring: The Microbiome Connection

OST11: Fierro, E., Sahni, S., Cheema, M., Adial, A., Iftikhar, A.

Piece of Mind- A Case of Mycotic Aneurysm Due to Acupuncture Induced Infective Endocarditis

OST12: Ford, A., Orozco, K., Patel, K., Aly, S., Sahni, S.

Health Information Seeking Behaviors of Minority Women

OST13: Goodwin, G., Picache, D., Gaeto, N., Louie, B., Zeid, T., Aung, P., Sahni, S.

Gender Disparities in Out of Hospital Cardiac Arrest

OST14: Goodwin, G., Louie, B., Picache, D., Gaeto, N., Zeid, T., Aung, P., Sahni, S.

Optimal Scene Time to Achieve ROSC in Out-Of-Hospital Cardiac Arrest: How Long is Too Long?

OST15: Haugen, N., Ohia-Enyia, I., Kane, T., Chandran, J., Bazelais, S., Quintero, A., Baez, R., Rich, S.

Aberrant Bilateral Branching of the Second Portion of the Axillary Artery

OST16: Lasner-Frater, L., Lesser, S.

Predatory Publishing: What to Know and How to Avoid Them

OST17: Lau, H., Inoki, K., Prancan, A.

Role of Brain Acid Soluble Protein 1 (BASP1) in Mammalian Target of Rapamycin (Mtor) Activation

OST18: Lew, M., Chu, E., Milani, S.

OMT for Thoracic Outlet Syndrome

OST19: Lichterman, J., Post, R., Menken, L., Saad, B., Delgado, J., Sall, L., Rothbard, N., Diaz, N., Mascarenhas, L., Menken, G., Kozlowski, P., Degenhardt, K.

Testosterone Increases Tumorigenesis and Metastasis of Human Osteosarcoma in vivo

OST20: Lichterman, J., Post, R., Menken, L., Saad, B., Delgado, J., Sall, L., Diaz, N., Rothbard, N., Mascarenhas, L., Menken, G., Kozlowski, P., Degenhardt, K.

17- β Estradiol decreases tumor growth and increases metastasis in human osteosarcoma

OST21: Moumneh, K.

Effect of baseline dopamine D2/D3 occupancy levels in striatal and extrastriatal regions on socioeconomic status

OST22: Moumneh, K., Liang, C.

Elucidating the Mechanisms of HIV-1 Antiviral Activity by SERINC5

OST23: Myers, P., Bahri, T., Yens, D., Knapp, C.

Outcomes of the Flipped Classroom in a New York Osteopathic Medical school

OST24: Naghdi, E., Zaghi, F., Kashfi, S., Karkare, N., Kozlowski, P.

Influence of Religion on Organ Donation For Research

OST25: Peck, M., Gill, P., Iftikhar, I., Agrawal, A., Sikachi, R., Sahni, S.

Contemporary trends in ventilation perfusion scanning in the United States of the last two decades (1993-2003)

OST26: Peck, M., Robinson, A., Ortega, G., Schressman, J., Garcia-Moreno, B.

Structural reorganization as a major determinant of the anomalous pKa values of buried ionizable groups in proteins

OST27: Prancan, A., Ali, K.

Medical Pharmacology Board Scores Increase With Flipped Classroom and Video Lectures

OST28: Riviello, C., Bhuyain, N., Wilken, P., Bruno, F.

An Analysis of Polypharmacy, Osmotic Laxative/Stimulant Laxative Use & Natural Supplementation in the Treatment of Constipation in the Special Needs Population

OST29: Rothbard, N.

Clinical Perspective of Pulmonary Arterial Hypertension (PAH) in the Elderly: A Single Center Study

OST30: Rovello, D., Henshaw, M., Lomiguen, C.

Student Perceptions on the Usefulness of Clinical Vignettes in Reviewing for COMPLEX-USA Level 1

OST31: Syed, A., Sarkar, P., Vernatter, J.

Clostridium Ramosum Bacteremia In A Patient With Alcoholic Cirrhosis and Concomitant Acute Alcoholic Hepatitis

OST32: Thappa, S., Iftikhar, A., Gill, P., Sikachi, R., Agrawal, A., Sahni, S.

Trends of Right Heart Catheterizations in the United States Over the Last Decade (2004-2014)

OST33: Tiedemann, V., Bachrach, H., Sahni, S.

The Perfect Storm- An Unusual Case of Heat Stroke in a Young Male

OST34: Tram, K.

Nitrogen Dioxide Air Pollution and Emergency Room Utilization

OST35: Vo, P., Gavidia, K., Wong, C., Sahni, S., Bahri, T.

Mind and Body in Harmony: A Survey of Exercise and Depression in Osteopathic Medical School Students

OST36: Winters, M., Esquire, A., Sahni, S.

Assessing Explicit Obesity Bias in Osteopathic Medical Students in Pre-Clinical Years

OST37: Yens, D.

Housing on Campus

OST38: Yens, D., Ma, S.

Student Characteristics of a Residential Medical Campus

OST39: Zambrano, L., Amaros, A., Baez, R.

Variant Single Headed Biceps Brachii Muscle and Absence of Sartorius Muscle- A Case Report

***+PH01/OST40:** Addo-Atuah, J., Gardere, J.

Reflecting on Diversity in the Classroom: Experiences of Medical and Pharmacy Students in a Cultural Competency Course

PALEOBIOGEOGRAPHY

PAG01: Rubenstein, H., Feldman, H.

How did the drifting continents affect evolution

PALEOBIOLOGY

PAL01: Feerst, N., Feldman, H.

What is community?

PAL02: Feldman, H., Belowich, T.

The Triassic Saharonim Formation of the Sephardic Province on the southern Tethyan margin is an analog for the Triassic Germanic Muschelkalk of Western Europe

PAL03: Greenwald, S., Feldman, H.

Endothermy in dinosaurs

PAL04: Hurtes, A., Feldman, H.

Mass extinctions: earth bound and extraterrestrial causes

PAL05: Sebbag, S., Feldman, H.

Morphology of the Ordovician brachiopod Sowerbyella in the Hudson Valley

PAL06: Segal, A., Feldman, H.

Trophic structure of ancient marine communities

PHARMACY

***+PH01/OST40:** Addo-Atuah, J., Gardere, J.

Reflecting on Diversity in the Classroom: Experiences of Medical and Pharmacy Students in a Cultural Competency Course

PH02: Alexander, S., Flores, J., Babayeva, M.

Drug-Drug Interaction Studies: Effect of Tizoxanide on Protein Binding of Phenytoin in Human Plasma

PH03: Assefa, H., Murtaza, S., Paul, D.

The Challenges in the Discovery and Development of Drugs Used for the Treatment of Multidrug-Resistant Gram-Negative Bacterial Infections

PH04: Azubike, A., Addo-Atuah, J.

Drug Shortages and Its Impact on Healthcare Delivery in the United States

PH05: Cabral, D., McArdle, M., Olsufka, W.

Nortriptyline – Induced Oral Ulcers: A Case Report

PH06: Duong, D., Tran, V., Fontenelle, R., Olsufka, W.

Effect in Hospital Readmission Rates when Treated with Typical and Atypical Long- Acting Injectable Antipsychotics

PH07: Duong, D., Le, C., Liao-Ng Yan, T., Cani, E.

Evaluation of Aztreonam Utilization at Bronx-Lebanon Hospital Center

PH08: Flores, J., Basu, P.

Study of Penicillin Tolerance Group B Streptococci strains

+PH09: Galbut, S., Loewy, Z.

Effect of anti-microbial treatment on Pseudomonas aeruginosa planktonic cell adherence

PH10: Hernandez, N., Sow, M., Donatien, C., Flores, M., Kavanagh, R.

Evaluation of Goal-Directed Lipid-Lowering Therapy in People Living with HIV

PH11: Hussain, N., Charles, A., Shafi, S., Freel, M., Moustakas, A., Loh, E.

Overcoming Barriers and Adapting Behavioral Interventions for Pharmacists Seeking to Improve Immunization Rates: A Systematic Review

PH12: Kalemasi, E., Yun Siu, C., Jashim, S., Majumder, T., Ajmal, S.

Systemic Review of Cost-Effectiveness of Ticagrelor and Generic Clopidogrel in Patients with Acute Coronary Syndrome (ACS).

PH13: Kalemasi, E., Sahami, S., Kelmendi, E., Adel, N.

Pharmacist's Role In Treating Immune-Related Adverse Events (IRAE) Of Nivolumab

PH14: Khan, I., Azzi, B.

First-Line Treatment of Schizophrenia: Are Children and Adolescents Benefiting from Newer, More Frequently Prescribed Second Generation Antipsychotics?

PH15: Lafi, Y., Cani, E., Zeana, C.

Impact of an Antimicrobial Stewardship Initiative on Fluoroquinolone Utilization in the Outpatient Setting at an Academic Medical Center

PH16: Levie, A., Loewy, Z.

Knowledge and use of pharmacogenomics in cardiology by healthcare providers

PH17: Loh, E., Moore, R., Kogan, P., Potok, H.

Effect of Intensive Utilization Management Compared to Exclusionary Formulary on Cost of Pharmacy Benefits

+PH18: Melka, R., Fnu, N., Morales, J., Loewy, Z.

Oral Microbiome: Relationship of stomatitis of denture wearers and chronic obstructive pulmonary disease (COPD)

PH19: Murtaza, S., Paul, D., Loh, E.

Evaluating Cost Effectiveness of Canagliflozin in Patients with Type 2 Diabetes Mellitus

PH20: Papetti, M.

Regulation and Function of the Tropomyosin Gene in Colon Epithelial Cells

PH21: Patel, R., Pelissier, S., Kang, L.

A Climate Study in Ethnically Homogeneous vs Heterogeneous Pharmacy Schools

PH22: Quaye, J., Addo-Atuah, J.

Prescription Drug Abuse in the United States: A Literature Review

PH23: Rakhaminova, A., Berger, D., Loewy, Z.

Effect on anti-microbial treatment on Pseudomonas aeruginosa biofilm dispersal

PH24: Selvi, B.

Development and Validation of an In Vitro/ In Vivo Correlation (IVIVC)

PH25: Weiss, B., Loper, M., Adel, N.

Evaluation of copanlisib, a novel agent for relapsing/ refractory Non-Hodgkin's Lymphoma

PHYSICAL THERAPY

PT01: Besinger-Brody, Y., Borenstein, Y., Halpern, S., Weinstein, S., Youssef, F., Isola, F., Silberstein, D.

The Effect of Isolated Attention Training on Motor and Cognitive Performance

PT02: Garcia, R., Grant, K., Lu, D., Joshua, A., Samaan, M., Kim, B

Reliability and Validity of a New Measure of Dynamic Balance and Gait in Community-Dwelling Older Adults: The Stepping-In-Place-Test

PT03: Geddrrie, J., Kerins, C., Perfetti, Wisotsky, J., Reddin, V.

Koru Mindful Meditation: The Impact on Anxiety Reduction for Doctor of Physical Therapy Students

PT04: Hagan, L., Weiner, S., Kume, J., Bui, P., Fetter, J., Hotaling, D., Mendez, R., Tracy, K., Williams, K.

Integrating Low-Cost, Low-Fidelity Patient Simulation into a DPT Curriculum: A Pilot Study

PT05: Horbacewicz, J., Akman, A., Gendler, Y., Sklaren, R., Wicentowski, M., Zatzkin, L.

A Description of Interprofessional Collaborative Care: Frequency of Interactions, Knowledge of Roles and Responsibilities, and Effect of Practice Setting

PT06: Horbacewicz, J., Checch, B., Davydov, Y., Kupchenko, S., Peled, A., Tewfik, P.

Personal Values of Physical Therapy Students

PT07: Marks, T., Chi, R., Maier, N., O'Flaherty, K., Rudman, E., Small, S., Garcia, R.

The Effect of Different Sitting Positions and Posture on Incentive Spirometer Performance in Healthy, Sedentary Adults

PT08: Neumann, CE., Coyle, J., DiMartino, K., Falkovsky, M., Gluckstatdt, A., Patel, M., Slatky, M., Kume, J.

What Do Clinical Instructors in Acute Care Expect from Physical Therapy Students on their First Clinical Experience? A Qualitative Study.

PT09: Sofer, R., Hayes, J., Alperstein, H., Bartelle, F., Blauer, R., Gurovich, A., Hays, A., Prawer, J.

Falls Prevention in the Outpatient Setting: Are We Catching Everyone?

PT10: Troiano, R., Corio, F., Dorney, A., Froehlich, E., Jasper, J., Menday, D., Romanello, Z., Ventriglia, L.

Investigation of Prosthetic Curricular Content within Doctor of Physical Therapy Programs across the United States

PT11: Voltmer, C., Bender, K., Chaback, J., Jensen, R., Miller, K., Reed, J., Kume, J.

Efficacy in affecting blood pressure and heart rate through the use of an aerobic conditioning protocol

PT12: Weiner, S., Houck, K., Guliani, S., Fichera, E., Luppino, V., Yaari, Y.

Clinical Physical Therapy Apps: Does Popularity = Quality?

PT13: Woodard, C., Long, J., Stoner, A., Guintu, N., Brown, G., Vorotinov, I.

A Comparison of the Incidence of Injuries in Triathletes and Marathon Runners

SOCIAL WORK

SW01: Pirutinsky, S., Magid, Y., Rosmarin, D.

Religious Internalizations and Mental Health in the Orthodox Jewish Community

SPEECH

SP01: Beckerman, B., Alon, E., Berger, B., Forgy, N., Fishman, S., Lubinsky, H., Vaynshteyn, I.

The effects of conducting a supervised research study on student's interests in pursuing a PhD.

SP02: Cohen, S., Mittelman, I., Pines, A., Prero, A., Zou, J., Kirshenbaum, R., Vaynshteyn, I.

Speech-language pathologist's perception of the effectiveness of iTherapy in intervention with school-aged children and adults

SP03: Hom, S., Plotzker, M., Sabella, J., Yaakov, S., Yang, S., Vaynshteyn, I.

Perception of sarcasm in English monolingual speakers in the presence and absence of social context

SP04: Lubinsky, H., Blaustein, S.

An analysis of motivating factors for students pursuing Graduate Degrees in Speech-Language Pathology

SP05: Unterman, R.

Inventing the wheel

*Denotes Interdisciplinary project

+Denotes Inter-school collaboration

POSTERS BY DIVISION/SCHOOL

Undergraduate Division

Lander College of Arts & Sciences	9
Lander College for Men	1
Lander College for Women	15
New York School of Career and Applied Studies	4
Total	29

Graduate Division

Graduate School of Business	3
Graduate School of Education	3
Graduate School of Social Work	1
School of Health Sciences	36
Total	43

Professional Division

Touro College of Osteopathic Medicine	
Harlem Campus	32
Middletown Campus	7
Subtotal	39
Touro College of Pharmacy	25
Total	64

TOTAL	136
--------------	------------

Totals include 10 posters that reflect inter-school collaborations

POSTERS BY DISCIPLINE

Art	2
Behavioral Sciences/Psychology	9
Biology	11
Business	3
Chemistry	1
Economics	3
Education	3
Geology	3
Mathematics	1
Nursing	1
Occupational Therapy	9
Osteopathic Medicine	39
Paleobiogeography	1
Paleobiology	6
Pharmacy	25
Physical Therapy	13
Social Work	1
Speech	5
TOTAL	136

Totals include 7 posters that reflect interdisciplinary projects

NOTES