

COM Newsletter

2017

From the office
of the Dean

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Campus News

The Touro 20th Anniversary Gala was held Sunday September 17, 2017



The campus celebrated its 20th Anniversary on September 17th honoring its first five founders: Dr. Bernard Lander, Dr. Mark Hasten, Dr. Jay Sexter, Dr. Sheldon Sirota and Dr. Bernard Lander.



Dr. Anthony Principi, Former U.S. Secretary of Veterans Affairs was the keynote speaker. Other honorees included Dr. Michael Kurisu, Class of 2003, as Distinguished COM Alumni and Student Doctor Katherine Yu, Class of 2018, as Outstanding COM Student.



In addition Sutter Health received the Distinguished Community Partner Award, California Bank and Trust received the Special Recognition Award and Vino Godfather Winery received the Community Service Award.



Dr. Zeliger the first TUC COM Dean, Dr. Clearfield the current TUC COM Dean and Dr. Sexter, one of the founders of the TUC campus.



On July 14, 2017 in Washington, DC, the National Academy of Medicine hosted their first meeting of the Action Collaborative on Clinician Well-being and Resilience. This meeting, entitled “Establishing Clinician Well-Being as a National Priority” was the launch of the National Academy of Medicine’s next big push: to address the epidemic of burnout and re-focus health care clinicians on resiliency and safety. The Healer’s Art course was highlighted as one of three “Promising approaches to reducing burnout and improving well-being.” To this end, the Healer’s Art course was established at TUCOM in 2009 under the watchful eye of Catherine West MD, MPH, DrPH.

The WARM program <https://tuwarm.com/> was launched this year to create the wholesome physician of tomorrow, one whose self-care is the source of compassion and quality care for patients; one who develops resilience to become a lifelong learner; who is able to cope with the stress of medical education and practice; and who explicitly identifies, prevents and manages professional burnout, serving as a role-model for patients, colleagues and students.

On August 18th the University dedicated a new Meditation Garden which is another tangible example of our effort to help address this major issue as an on campus respite where students and faculty can meditate or just decompress in a quiet, isolated, and contemplative space.

COM NEWS

- COM received the Strategic Team Award and Recognition (STAR Award) for its outstanding contributions to the advancement of the AOA strategic Plan for its GROUPIE. (Global health, Research, Osteopathic manipulative medicine and obesity, hand-held Ultrasonography, Public health, Interprofessionalism, and Empathy) Plan which distinguishes our COM and our students. The GROUPIE Program was highlighted in the August Journal of the American Osteopathic Association (JAOA).



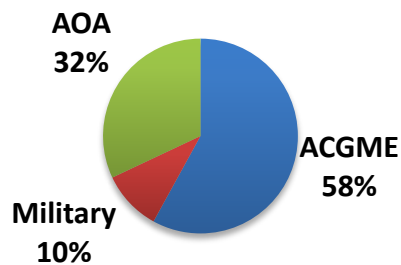
- COM published the first installment about GROUPIE in a series of JAOA articles in the August 2017 Volume 117 Issue. <http://jaoa.org/Issue.aspx#issueid=936402>
- COM updated its Strategic Plan and submitted it for Touro System approval in August, 2017.
- Michael Clearfield DO was one of five physicians who received the designation of Master Fellow to the Gillum Society of Master Fellows, of the American College of Osteopathic Internists.
- In July 2017 Touro University California signed a three year extension of the Solano County affiliation contract to continue our full participation at all three Federally Quality Healthcare Centers in Vallejo, Fairfield and Vacaville. These clinics serve over 30,000 patients who are at the greatest need in our community while also serving as Public Health centers for the overall health of our county.

Student News

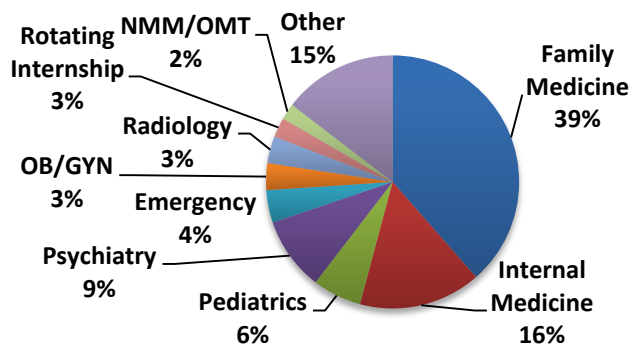


Lieutenant General Ronald Blanck DO, former Surgeon General of the Army, presented a stirring keynote address to the 138 students graduating in the Class of 2017. The Class of 2017 completed another successful residency match and, as in prior years, a majority of the class (61%) chose residencies in primary care. For the fifth year in a row 40% of the residency matches were in California, including new programs in the Bay Area (John Muir Health) and first-time matches at other locations (e.g., Cedars Sinai). Approximately one-third of the graduating class matched to AOA-accredited programs, including into two of the eight national positions for Neuromusculoskeletal Medicine (NMM/OMM). The Class of 2017 included a large group of military scholarship students (10%) who matched to a range of disciplines including OBGYN, emergency medicine, family medicine, and anesthesiology. Outside of primary care the largest residency cohort was in psychiatry (11 matches), characterized once again by a nationwide distribution from New York to Hawaii. We congratulate each member of the class for their hard work and preparation for this next career stage.

Class of 2017 Match Distribution



Class of 2017 Residency Match Choices

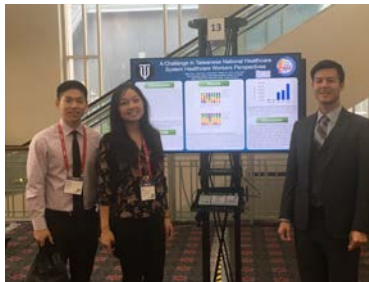
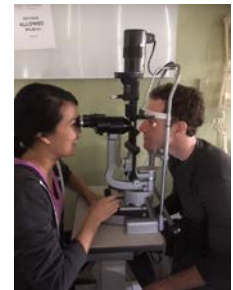


- On August 27, 2017 the Class of 2021 was welcomed to the practice of medicine at the White Coat Ceremony through the inspiring keynote address given by AOA president Mark Baker, DO and the welcoming speech by student Doctor Roman Roque, President of the COM Student Executive Council. We also wish to give an extra thanks to Brian Loveless DO, President of the Osteopathic Physicians and Surgeons of California (OPSC), Kathleen Creason Executive Director of the OPSC and the OPSC as a whole for their great generosity in providing our students with their white coats.



- Student Doctor Gregory Herting, OMS II received a \$10,000 scholarship from the Alaska Osteopathic Medical Association, DO's and friends in Alaska and the Northwest Osteopathic Medical Foundation.
- Marissa Haberlach, OMS IV, received an AOF Hope Grant.
- Arpita Sinha, OMS IV, was an AOF Rossnick Humanitarian Award Recipient.
- Stanley Cheng, OMS IV, received the AOF Welch Scholars Grant .

- Sheena Song and the ophthalmology club repaired the slit lamp in LH 212 which has allowed the club, under the supervision of Dr. Gail Feinberg, to have a "Slit lamp lab" during a recent lunch hour.



Pictured above Kevin Hsu, OMS II, Daisy Chen, OMS II, and Derek Ochi, OMS II.

At the 2017, 122nd OMED, TUC COM students were awarded a first place and two second place awards in the Outreach & Research Categories of the BIOM/SOMA/COSGP/DOCARE abstract competition.

- Daisy Chen OMS II, Kevin Hsu OMS II, and Derek Ochi OMS II collectively won the 1st Place award for "A Challenge in Taiwanese National Healthcare System Healthcare Workers Perspective. "
- Derek Ochi OMSII, Daisy Chan, OMS II, Kevin Hsu OMS II and Dr. Athena Lin were collectively awarded 2nd Place for "Comparison Between Parietex Polyester Mesh and Optilene Mesh in Laparoscopic Inguinal Hernia Repair."
- Rameen Atefi OMS, I, Omeed Atefi OMS I, and Dr. Mahmoud were awarded 2nd Place for "Educational impact of Helping Babies Breathe HBB Classes on Knowledge and Confidence in Shirati Tanzania."

Also at OMED 2017 three of our students received 1st and two 2nd place Student Research Poster Awards.

- Cara Vernacchia, OMS III was awarded 1st place for "Changes in Children and Parental Emotional Behavior Determine Long-Term Outcomes for Children with Chronic Pain Following Interdisciplinary Pain Management Program."
- Sabrina Wedee, OMS I awarded 2nd place for- Cannabinoid Signaling Mechanisms During Axon Development in Situ.



Yasmin Bains accepted the 2nd Prize for best student presentation at OMED for her presentation on work which is a collaboration between COM and the University of Guanajuato, Mexico on *Small Dense LDL Correlates with D-lactate in Obese Adolescents: A Link Between Dyslipoproteinemia Triose Flux and Glycation*. Authors Yasmin Bains, Reyna Rodríguez Mortera^{1, 3}, Claudia Luevano-Contreras¹, Sergio Solorio-Meza², Russell Caccavello³, Ma. Eugenia Garay-Sevilla¹ and Alejandro Gugliucci³.



Alumni News

- Elaine Ho DO (class of 2016) was elected Chairperson to the newly formed ACOFP Resident's Council by her peers at the annual OPSC conference.
- Nathan Rheault, DO, (Class of 2014) received the AOF Rossnick Humanitarian Award.
- Michael Kurisu, DO, (Class of 2003) received the 20th Anniversary Alumni Award.
- Sharon Larson DO (Class of 2007) became the first female cardiothoracic surgeon at the University of Iowa Hospitals and Clinics and is the only female cardiothoracic surgeon practicing in the state of Iowa.
- On August 29, 2017 John Michael Kwak (JM), DO, (Class of 2015) lost his battle with cancer. As a community we all mourn his loss but to honor his request we ask all to celebrate his life and the memories of the good times that were shared. May his memory be forever a blessing.



Department Updates

Basic Sciences Department Updates

- The Basic Sciences department received a donation of a colposcope. Thank you for your donation Mr. and Mrs. Smith for a Wallach Zoomscope.



- Shin Murakami, PhD, Associate Professor Basic Science Department, was appointed to the Editorial Advisory Board of Cambridge Scholars Publishing. He was also appointed to the NBOME Media Upgrade Work Group. Dr. Murakami was also appointed to Chair of the Institutional Biosafety Committee.



Mark Teaford PhD provided a workshop in China (Oct. 17-23) on Biosurface and Biotribology at the Chengdu 2017 Southwest Jiaotong University.

Clinical Education Department Updates



- The Clinical Education Department has grown with the addition of two new employees Tiffany Saechao, 4th Year Rotations Coordinator and Brooke Schoonmaker, Curriculum Program Coordinator.

OMM Department Updates



Dr. Peña pictured with Fellows Helena Prieto, Class of 2018, Danielle Emmet Class of 2019, and Ms. Sara Colt, Administrative Coordinator at the H89 OMT Lab

- The H 89 OMT lab is a place for Touro University California faculty, staff, and students to volunteer to experience Osteopathic Manipulative Treatments provided by our students and fellows precepted by OMM faculty.
- Melissa G. Pearce, D.O., as Principal Investigator, was awarded \$150,000 over two years for the RIOT study (Reducing Inflammation with Osteopathic Treatment).
- Dr. Pearce, D.O. has been nominated for the Board of Directors of the Osteopathic Physicians and Surgeons of California (OPSC) with election and induction to take place at the 2018 Annual Convention in February. She has served as Chair of the OPSC Education Committee since February 2015 and was Chair of the OPSC OMT Subcommittee February 2014 – February 2016 and also serves as a member of this Committee as well as Strategic Planning and the CME Task Force.
- Dr. Pearce also participated in creating new items for the NBOME Level Three exam – Clinical Decision Making Cases.



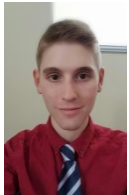


- Dr. Pierce-Talsma has been contacted and highlighted in a number of venues including Martha Steward Living, The Business Wire, and other publications on topics ranging from but not limited to *“Osteopathic Physicians and Surgeons of California Highlight Studies: Osteopathic Manipulative Treatment Offers A Safe Alternative To Opioids”* (May 31, 2017 Business wire) to *“How Yoga Helps Survivors of Trauma in the US News and World Report”* (March 2017), just to list a few accomplishments.

- Kimberly Wolf, DO is the newest addition to OMM faculty at Touro COM. She is a graduate of College of Osteopathic Medicine of the Pacific (COMP), but completed her pediatrics training in Ohio at Nationwide Children's Hospital. After graduating, Dr. Wolf developed a pediatric OMM clinic where she trained medical students and residents. She was also the co-director of the Osteopathic Pediatric Residency Track at Nationwide Children's Hospital. She is excited to bring her passions for pediatrics, OMM, and education as the new Director of Pediatric OMM, toTouro.
- Dr. Wolf presented a workshop on *“A Distinctive Osteopathic Pediatric Residency and OMM Clinic at a Children’s Hospital”* at OMED.



Pre-Clinical Education Department Updates



- Christopher Kent joins the COM staff in the Preclinical Education Department as the new Clinical Experiences Administrative Coordinator. Mr. Kent will be helping Dr. Hendriksz with the coordination of our Early Clinical Experiences, OSCE, and Clinical Integration Programs, as well as providing assistance to Dr. Alesia Wagner and the COM Admissions Committee.



- Eduardo Velasco MD, MSc PhD was acknowledged by the NBOME for his participation in the Health Promotion Disease Prevention (HPDP) case and exam development for the COMLEX USA exam. In addition Dr. Velasco presented a session at the 2017 AAMC Annual Meeting titled *“Student Wellness, Academic Achievement, Resilience and Mindfulness.”*

- Tami Hendriksz DO was recognized for contributions to NBOME COMVEX subcommittee and the COMAT item review.

Primary Care Department Updates



- Clipper Young- PharmD was selected as the California Diabetes Educator of the Year. He received this award on October 14, 2017.

- Patricia Rehfield DO, MPH, PCD received a scholarship to attend the Medical Education and Research Foundation for the Treatment of Addiction (MERF) Conference held on August 24-27 in San Francisco as a MERF scholar.



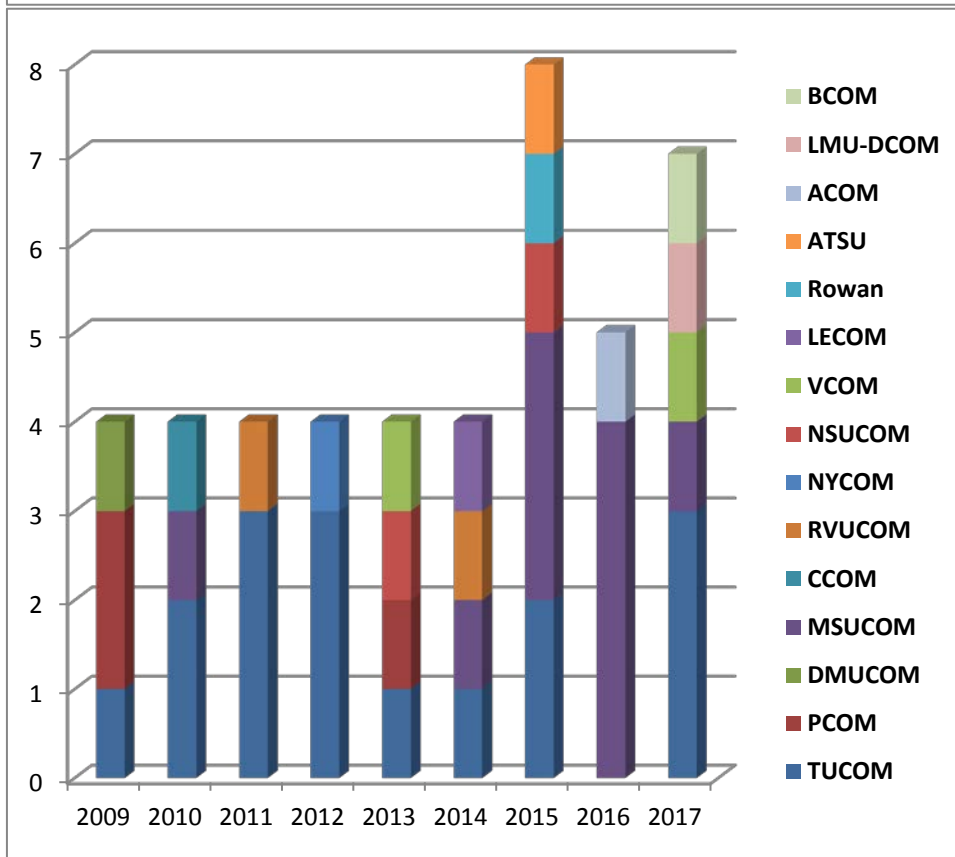
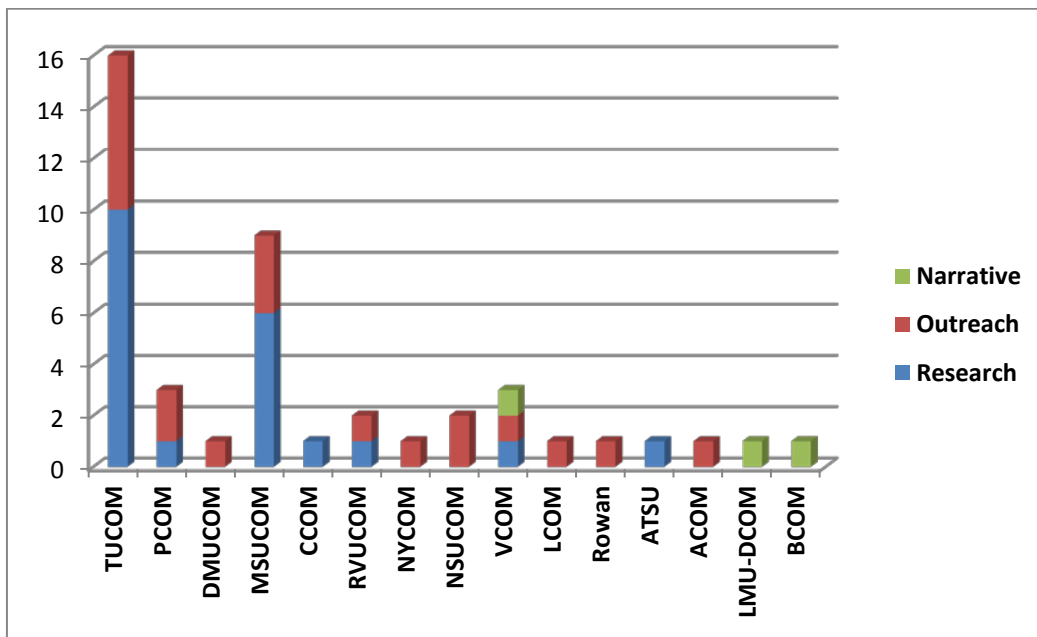
- Dr. Kim Pfothenhauer's paper on Vitamin D was the second most followed paper this year in the JAOA.

- Jay Shubrook DO and Michael Clearfield DO presented JAOA Breakfast Bites at OMED which Kim Pfothenhauer DO moderated.
- Jay Shubrook DO renewed his MEDSCAPE series for diabetes – the link to this series is https://www.medscape.com/index/list_11275_0.
- Jay Shubrook DO was reappointed to the Springer/Nature Global Diabetes Advisory Board-- Medicine Matters Diabetes. The link is <https://diabetes.medicinematters.com>.

Global Health News

- The Bureau of International Osteopathic Medicine (BIOM), which was founded in 1998, is assigned the international activities by the AOA. From 2009 to 2017, a total of 44 poster awards have been given at the BIOM Annual Meetings. TUCOM has been awarded a total of 16 of these awards (10 first place awards and 6 second-place awards). Among them, seven awards were won by COM students who participated in the GHP summer internship in Africa; eight awards were won by students who participated in the GHP Taiwan summer internship; one award was won by a MPH/DO dual degree OMS IV student who did an international rotation in Guatemala.

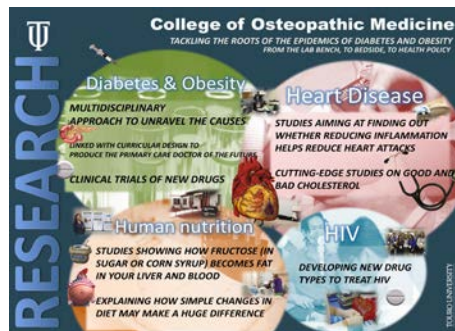
<http://www.osteopathic.org/inside-aoa/development/international-osteopathic-medicine/Pages/default.aspx>



Research News

- The Research Department sponsored 7 students, all first authors, to the 2017 OMED. The Students/Principal Investigators are:
 - Omeed Atefi/Mahmoud

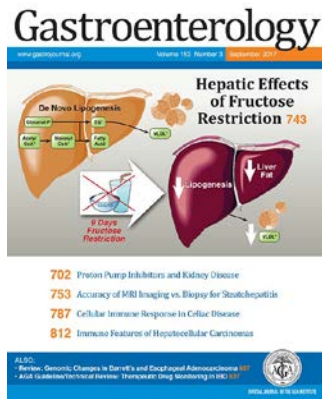
- Yasmin Bains/Gugliucci
- Wingken Wong/Lin
- Kyaw Min Tun/Gochin-Gugliucci
- Kelsey Negherbon/Shubrook
- Sabrina Wedee/Elul
- Jeremy Mosher/Shubrook
- Three of our students won the OMED best student presentation awards, one first place and two second place prizes were awarded:
 - The first place award was given for the “Changes in Children and Parental Emotional Behavior Determine Long-Term Outcomes for Children with Chronic Pain Following Interdisciplinary Pain Management Program” to Cara Vernacchia, OMS III
- Second place awards were given to:
 - Sabrina Wedee, OMS I, “Osteopathic Philosophy Cannabinoid Signaling Mechanisms During Axon Development in Situ” (PI, Dr. T. Elul) and to Yasmin Bains, “Chronic Diseases and Conditions Small Dense LDL Correlates with Dlactate in Obese Adolescents: A Link Between Dyslipoproteinemia Triose Flux and Glycation” (PI, Dr. A. Gugliucci).



- Faculty presented at the Association of Clinical Anatomists, Spine Society in the US and at the European Atherosclerosis meeting in Prague, Czech Republic.



- Alejandro Gugliucci MD, PhD, was a keynote speaker at the 2nd Obesity Summit in San Francisco.
- The Drs. Schwarz, Mulligan, and Gugliucci team (partnering with Drs. Lustig and Noworolski at UCSF) has published the 3rd paper from the Fructose Restriction in Kids study. Six TUCOM faculty and staff are co-authors of this seminal paper, including Drs. Jones, Palii and Moises Velasco-Alin. Dr. Gugliucci’s artwork was featured on the journal’s cover.



- The Research Department was approved to implement a one year Research Fellowship for 3rd and 4th year students starting 2018.
- The new Faculty Publications book (2016) has been released by Touro Library and can be found at: <http://research.tu.edu/facultypublications/>
- [Yasmin Hadian, OMSIII did a Clinical Distinction internship in Dr. Gugliucci's laboratory, working on HDL changes in diabetic ketoacidosis. She presented her summer work on GGT and paraoxonase 1 at OPSC.](#)
- [Agustina Irazuza, a biochemist from the School of Chemistry of the University of Uruguay, completed a 1 month internship in Dr. Gugliucci's laboratory for her Master in Sciences degree.](#)

PUBLICATIONS

Peer Reviewed Articles

- Alcade-Rabanal J, Barnighausen T, Velasco-Mondragon HE, Darney H. The gap in human resources to deliver the guaranteed package of prevention and health promotion services at urban and rural primary care facilities in Mexico. *Human Resources for Health* 2017; Aug 3:15(1):49
- Bains Y and **Gugliucci A**. Ilex paraguariensis and its main component chlorogenic acid inhibit fructose formation of advanced glycation end products with amino acids at conditions compatible with those in the digestive system. *Fitoterapia*. 2017; 117:6-10.
- Casapulla S, Howe CA, Rosero GR, Berryman B, Grijalva MJ, Rojas EW, Nakazawa M, **Shubrook JH**. Obesity and Prediabetes among Adolescents in Ecuador. *Diabetology & Metabolic Syndrome* 2017. 9:24. DOI: 10.1186/s13098-017-0224-2.
- Chamberlain JJ, **Shubrook JH**. Pharmacologic Approaches to Glycemic Treatment in Type 2 diabetes: Synopsis of the 2017 American Diabetes Association's Standards of Care in Diabetes. *Ann Intern Med*. 2017;166(8): 572-578. DOI: 10.7326/M16-2937. Available at <http://annals.org/aim/article/2609290/pharmacologic-therapy-type-2-diabetes-synopsis-2017-american-diabetes-association>.
- Chamberlain JJ, **Shubrook JH**. Pharmacologic Approaches to Type 1 Diabetes Mellitus: Synopsis of the 2017 American Diabetes Association's Standards of Care in Diabetes. *Annals of Internal Medicine*. Accepted 7-3-17. 2017.
- **Clearfield M**. A path to osteopathic distinction: the Touro California GROUPIE Program. *JAOA* 2017; 117(8):488.
- **Davis G, Gayer G**. Comparison of Basic Science Knowledge between DO and MD students. *JAOA* 2017; 117:114.
- **Davis GE, Hartwig W, McTighe**. Clinical preceptors perceptions of empathy: The Empathy in

Osteopathic Training and Education (EMOTE) Study. *JAOA* 2017;117(8):503.

- **Dugan J, Pfothenauer K, Young C, Shubrook JH.** Diabetes Microvascular Complications. *Primary Care Reports* May 2017. (23):5:53-68.
- **Dugan J, Shubrook JH.** ICD-10 Coding for Diabetes Mellitus. *Clinical Diabetes* Fall-2017.
- **Gayer G, Weiss J, Clearfield M.** Fundamentals for an Osteopathic Obesity Designed Study: The effects of education on osteopathic medical student's attitudes regarding obesity. *JAOA* 2017;117(8):495.
- **Gugliucci A.** Maternal fructose consumption can affect offspring metabolic outcomes. *J Physiol.* 2017 Jul 1;595(13):4133-4134. doi: 10.1113/JP274438. Epub 2017 Jun 1.
- **Gugliucci A.** Formation of Fructose-Mediated Advanced Glycation End Products and Their Roles in Metabolic and Inflammatory Diseases. *Adv Nutr.* 2017; 8:54-62. Holben DA, Rambo C, Howe C, Murray D, **Shubrook JH.** A comprehensive employer-based lifestyle program reduces cardiovascular disease risk after one year of treatment: A cohort study. *JAOA* 2017. 117:425-432. doi: 10.7556/jaoa.2017.088.
- Iriarte-Diaz J, Terhune CE, **Taylor AB,** Ross CF. 2017. Functional correlates of the position of the axis of rotation of the mandible during chewing in non-human primates. *Zoology* Aug 23. pii: S0944-2006(17)30118-6. doi: 10.1016/j.zool.2017.08.006. [Epub ahead of print].
- Johnson E, **Pfothenauer K,** Bradley S, **Shubrook JH.** Highlights from the American Diabetes Association's 2017 Standards of Medical Care in Diabetes for the osteopathic physician. *JAOA* 2017.117:457-472. doi: 10.7556/jaoa.2017.086
- **Masood I, Hendriksz T** CASE REPORT Unusual presentation of more common disease/injury, The connection between acute otitis media and the acute abdomen, *BMJ Case Reports* 2017; doi:10.1136/bcr-2017-219226.
- **Pfothenauer K, Shubrook JH.** Vitamin D deficiency. Its Role in Health and Disease, and Current Supplementation Recommendations. *JAOA* 2017. 117:301-305. doi: 10.7556/jaoa.2017.055.
- **Pfothenauer K, Dugan J,** Bradley S, **Shubrook JH,** Rhinehart A. Lifestyle Management for People with Diabetes – What You Need to Know from the ADA SOC. *OFP* September 2017.
- **Pierce-Talsma S, Hiserote M, Lund G.** Osteopathic Medical Student Practice of Osteopathic Manipulative Treatment During School Break. *JAOA* 2017; 117:176-182.
- Remy C, **Shubrook JH,** Nakazawa M, Drozek D. Employer-Funded Complete Health Improvement Program: Preliminary Results of Biomarker Changes. *JAOA* 2017. 117:293-300. doi: 10.7556/jaoa.2017.054.
- Ross CF, Iriarte-Diaz J, Platts E, Walsh T, Heins L, Gerstner GE, **Taylor AB.** 2017. Scaling of rotational inertia of primate mandibles. *Journal of Human Evolution* 106:119-132.
- Sadhu A, Healy AM, Patel S, Cummings DM, **Shubrook JH,** Tanenberg RJ . The Time is Now: Clinical Diabetes Fellowship Programs for Primary Care Physicians in the United States. *Current Diabetes Reports* 2017.
- **Schwarz JM,** Noworolski SM, Erkin-Cakmak A, Korn NJ, Wen MJ, Tai VW, Jones GM, Palii SP, Velasco-Alin M, Pan K, Patterson BW, **Gugliucci A,** Lustig RH, **Mulligan K.** Effects of Dietary Fructose Restriction on Liver Fat, De Novo Lipogenesis, and Insulin Kinetics in Children With Obesity. *Gastroenterology.* 2017 Sep;153(3):743-752. doi: 10.1053/j.gastro.2017.05.043. Epub 2017 Jun 1. PMID: 28579536.
- **Schwarz JM, Clearfield M, Mulligan K.** Conversion of sugar to fat. Is hepatic denovo lipogenesis leading to metabolic syndrome and associated chronic diseases? *JAOA* 2017;117(8):520.
- **Shubrook J.** Pharmacologic Therapy for Type 2 Diabetes: Synopsis of the 2017 ADA Standards of medical care in Diabetes. *Ann Int Med* 2017; March 21

<http://annals.org/article.aspx?artided=2609290&questAccessKey=6b593f1a-2b4c-4b29-b60f-7ba6db584f02>.

- Skolnik N, Johnson E, **Shubrook JH**. Reducing cardiovascular risk in Diabetes: An American Diabetes Association Update. *Journal of Family Practice* 2017. 66(5):300-308.
- Sze Ngong HL, **Young CF, Shubrook JH**. Improving Diabetes Care Efficiency: Glucose Meter Download Station in Medical Offices. *Osteopathic Family Physician*. October 2017.
- Umpierrez G, Bailey T, Carcia D, Shaefer C, **Shubrook JH**, Skolnik N. Improving postprandial hyperglycemia in patients with type 2 diabetes already on basal insulin therapy: a review of current strategies. *Journal of Diabetes* 2017. 6: DOI: 10.1111/1753-0407.12576.
- Vahdati Nia B, Kang C, Tran MG, Lee D, **Murakami, S.** (2017) Meta Analysis of Human AlzGene Database: Benefits and Limitations of using *C. elegans* for the Study of Alzheimer's Disease and Co-Morbid Conditions. *Front. Genet.* 8:55. doi: 10.3389/fgene.2017.00055.
- Valentine V, Goldman J, **Shubrook JH**. Rationale for, initiation and titration of basal insulin/GLP-1RA fixed-ratio combination products. *Diabetes Ther* (2017) 8:739-752. DOI 10.1007/s13300-017-0287-y.
- **Weiss J, Pearce M, Pierce-Talsma, Davis G.** The case for an Osteopathic Entrustable Professional Activity. *JAOA* 2017;117(10):617.
- **Young C, Dugan J, Yun K, Wang E, Shubrook JH.** The Correlations between HbA1c and Diabetes Knowledge, Diabetes Numeracy, Food Security in a Vulnerable Type 2 Diabetes Population. Accepted to *Diabetes Spectrum* 10-2017.

Published Abstracts (peer-reviewed journals)

- *Reyna Rodríguez Mortera; Russell Caccavello; Claudia Luévano Contreras; Ma Eugenia Garay Sevilla; Alejandro Gugliucci*, Lower soluble receptor for advanced glycation end products in adolescents with obesity from Guanajuato associations with insulin resistance dyslipoproteinemia , 40A WCIRDC Abstracts, *Endocr Pract.* 2017;23(No. 1).
- **Young C, Shubrook J.** European Association for the Study of Diabetes-- Fluctuating Asymmetry as a Screening tool for Diabetes- Lisbon 9-2017.
- *Yasmin Bains; Amir Olfat; Yasmin Hadian; Russell Caccavello; Masaaki Nagatsuka; Satoshi Kimura; Alejandro Gugliucci*, *Dyslipidemia in pregnant women and the Age Raga axis in mothers and their neonates* 36A WCIRDC Abstracts, *Endocr Pract.* 2017;23(No. 1).

Book Chapters



- **Menini T.** Advanced Glycation End products and Neurological Disease, in *Mechanisms Linking Aging, Disease and Biological Age Estimation.* (2017), Sara C. Zapico Editor, CRC Press. ISBN- 13: 987-1-4987-0969-9.
- **Glover J** Fascia in the Osteopathic Field, edited by Torsten Liem, Paolo Tuzzi and Anthony Chila,

published by Handspring Publishing, Edinburgh 2017, ISBN 978-1-909141-27-8.

- **Glover J.** Foundations of Morphodynamics in Osteopathy, edited by Torsten Liem and Patrick van den Heede, published by Handspring Publishing, Edinburgh 2017, ISBN 978-1-909141-24-7.
- **Glover** Leitfaden Osteopathie, 4th Ed., edited by Torsten Liem and Tobias Dobler, published by Elsevier, Munich 2017, ISBN 978-3-437-55783-5.
- **Gugliucci A.** Advanced Glycation and Aging in Mechanisms Linking Aging, diseases, and biological age estimation, CRC press 2017, pgs. 68-79, ISBN: 13:978-1-4987-0969-9.
- **Gugliucci A.** Paraoxonase 1 and its clinical relevance in The HDL Handbook 3rd edition, AP Press 2017, pgs. 187-208 ISBN: 978-012812513-7.

Upcoming Events

- The 2017 *Diabetes Update High Impact Management for Clinicians* will be held on campus on Sunday November 5th, 2017. Registration, full course description, and continuing education information are available on the activity website: <http://com.tu.edu/cme/diabetes2017.html>.
- Stacey Pierce-Talsma, DO, Joel Talsma, MS, and Carrie Janiski, DO are teaching a Regional CME class for the OPSC on *Understanding and Treating Low Back Pain an Osteopathic Approach*. See: https://opsc.site-ym.com/events/event_list.asp for more information.
- Stay tuned for more information about the Clinical Education Department's annual symposium on *Physician and Student Burnout* which will be held on January 21, 2018.
- Hold the date of May 22 for Commencement at Zellerbach Auditorium on the UC Berkeley Campus

Fire News, written by Kimberly Wolf, DO

The North Bay Wildfires have had significant impact on our community as a whole, but also personally affected numerous students and faculty of our Touro community. I am new to this community, and had only worked at Touro for three days when the fires began. I knew I had made the right choice to join Touro faculty when I received an invite to supervise a group of students who wanted to do Osteopathic Manipulative Medicine (OMM) at the evacuee shelter in Santa Rosa. I was impressed at our students' desire to give back and practice their skills on the people who needed it most last weekend! The students' initiative to organize this volunteer opportunity was inspiring!

Over three days (October 13-15) we were able to coordinate over a dozen osteopathic medical students to volunteer at the Santa Rosa shelter at the Fairgrounds. We treated dozens of evacuees, first responders, and volunteers with OMM. Our students treated multiple musculoskeletal complaints, but also were able to help some patients process the physical and emotional trauma their bodies had endured. The community was grateful to the students and the service they provided! Touro COM students Sarah Davis, Donald Long, Rodger Hurst, Vincent Huynh, Veronica Scavo, Aakash Saxena, Loren Hart, Jessica Nguyen, Roma Dmitriyev, Timothy Kim, Su Hamade, Hung Tran, Sam Bhatangar, and Marie Schow generously donated their time, energy, and hands to their patients. OMM was precepted by Dr. Mitch Hiserote, Dr. Victor Nuño, Dr. Lee Ann Cuny, and Dr. Jennifer Weiss. Dr. Audra Lehman helped organize this opportunity at the shelter where she herself was working long shifts triaging, organizing, and providing acute medical care. Dr. Tami Hendriksz also helped recruit students and faculty from Hawaii while on family vacation. The compassion shown by our Touro community in the wake of our larger community's tragedy made me proud to be a new addition to TCOM!

Our students and faculty are currently working on other ways to provide OMM to first responders and victims of the fire now that evacuation orders are lifted and shelters are beginning to empty. If anyone is interested in helping with these efforts, please feel free to contact me at Kimberly.Wolf@tu.edu.