

Medical Student Research Newsletter

VOLUME 4 ISSUE I

JANUARY 2016

From the
Associate Dean
for Research
Education

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Opportunities Fair

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From the Associate Dean for Research Education

Happy New Year Everyone! I wish great success to all of the medical students starting, continuing or completing research projects in the coming Year 2016! By now the Med Is have submitted their Phase II applications for COM Roessler, Bennett, and Barnes medical student research scholarships. Med IVs are working on their Advanced Competency in Research. Some medical students are applying for HHMI Medical Research Fellowships and Sarnoff Research Fellowships to fund a research year leave of absence between Med II and III or between Med III and Med IV. I am grateful to all of the research mentors who are critical to the success of our medical students research education and training! It takes a lot of work and perseverance to bring a research project to fruition and successfully publish the results of the work. Congratulations to all the medical students and their mentors whose work was accepted for publication in 2015. (See 2015 pubs along with a few of their prior publications on pages 5-6).

The inaugural Medical Student Research Symposium was held October 2015 to highlight and discuss the research performed by 2015 Summer Scholars. Both the students and the faculty who participated were very pleased with the event and contributed suggestions for the 2016 event.

Congratulations to the medical students who were recognized at the 2015 COM Student Achievement Celebration for their achievements in research (see article on page 3). These students have gained special expertise through accomplishments in a focused area of research during the course of their medical education at OSU!

Sincerely,



Ginny L. Bumgardner MD PhD FACS
Associate Dean for Research Education



Annual Medical Student Research Opportunities Fair



The OSU College of Medicines Medical Student Research Program hosted its annual Research Opportunities Fair on Thursday October 15th from 4-6:00 p.m. in the Biomedical Research Tower. The Research Fair promotes student research by providing students ready access to OSUWMC investigators. Investigators, who generously give their time, are given the opportunity to prepare presentations, posters or other materials

explaining their research and to present this to students in an informal setting. Many students at the OSU College of Medicine start career long mentorship relationships and launch their scientific research endeavors at the annual Research Fair. With more than 170 medical students attending, the Fair proves to be a great opportunity for faculty to meet and recruit medical students to participate in research projects during the summer or part-time throughout the academic year!



Why Research?

Research as part of the medical student training incorporates discovery through critical thinking, innovation and experimentation. Medical student researchers learn how to communicate new knowledge and how to apply discoveries to enhance patient care. Our students' participation in research gives them firsthand experience and skills in biomedical discovery, increases the depth of understanding of medicine and prepares them to directly influence the future course of medicine.



Priyanka Chablani is currently a fourth-year medical student at OSU College of Medicine. She grew up in Pittsburgh, PA and received a B.A. from Columbia University in New York City. After college, she pursued a M.S. in Physiology and Biophysics from Georgetown University. She started medical school in 2011; during medical school she has been involved in ongoing research within the Department of Radiation Oncology under the mentorship of Dr. Evan Wuthrick and Dr. Terence Williams, supported by the College of Medicines' Roessler Research Scholarship.

Priyanka took a scholarly year between her third and fourth years to dedicate more time to her research. She worked on a rectal cancer study as well as a melanoma study, for which she received a nationally-competitive grant from the American Skin Association. The rectal cancer study examines the association of various clinical, pathologic, and treatment-related factors with clinical outcomes in patients who were treated with neoadjuvant chemoradiation followed by surgery for locally advanced rectal cancer. The melanoma study investigates the use of adjuvant radiation therapy after lymph node dissection in patients with BRAF-mutated vs. NRAS-mutated vs. wild-type stage III melanoma. During her research year, she especially enjoyed the opportunity to present at several national conferences and learn more about current research in the field of oncology. Most recently, she delivered an oral presentation of her melanoma study at the Radiological Society of North America (RNSA) conference in Chicago in December 2015. Additionally, Priyanka was recently awarded the 2015 Dean's Research Achievement Award from OSU College of Medicine on the basis of her achievements in research.



Christopher Hong grew up outside Baltimore, MD and attended Harvard University, graduating with a Bachelor of Arts in Human Evolutionary Biology. Prior to starting medical school at The Ohio State University, he raced bicycles professionally, an activity that he had pursued throughout his undergraduate years. During his first three years of medical school, Chris became very interested in neurosurgery and particularly, neuro-oncology. Chris was awarded a College of Medicines Roessler Research Scholarship when he was a member of the Nakano Lab, working to characterize brain tumor stem cells, and also pursued clinical study of patients with melanoma brain metastases, under the guidance of Dr. Brad Elder and Dr. Russell Lonser. Between his third and fourth years, Chris was awarded an Intramural Research Training Award to work as a research fellow in the Surgical Neurology Branch at the National Institutes of Health in Bethesda, MD. Here, the focus of his work was in understanding the pathogenesis of isocitrate dehydrogenase mutations in glioma, mentored by Zhengping Zhuang, M.D., Ph.D. However, he also pursued additional work in other areas related to neurosurgery, including pre-clinical study of a PP2A small molecule inhibitor, clinical applications of bilateral muscimol infusions in the subthalamic nuclei of non-human primates, and the role of hypoxia-inducible factor mutations in tumorigenesis. In large part due to his time at the NIH, Chris is intent on pursuing a career as a clinician-scientist and is currently applying for a residency in neurosurgery. He plans to maintain an active research focus in neuro-oncology throughout his residency and ultimately work in academic neurosurgery. In addition, Chris is very interested in encouraging others to consider neurosurgery as a career option and to take advantage of the vast research resources available at the NIH. For those interested, he can be reached at cshong88@gmail.com.

2015 Student Achievement Celebration, Research Awards

Each year medical students with outstanding research accomplishments are recognized during the Annual Student Achievement Celebration. The students are nominated based on their work that resulted in a publication, national presentation, nationally competitive award/grants and/or research



scholarship obtained during medical school. This year, six medical students' achievements were recognized; Chris Hong (M4), Abigail Lang (M4), Priyanka Chablani (M4), Allison Schroeder (M4), Clayton Wisely (M4) and Nathan Mahler (M4). To read more about each student's outstanding accomplishments visit the News and Awards section of the [MDSR website](http://medicine.osu.edu/go/mdsr). <http://medicine.osu.edu/go/mdsr>



Landacre Research Honor Society

The Landacre Research Honor Society is the medical student research society at OSU COM, founded in 1956 in honor of Dr. Francis Leroy Landacre, professor and first chair of the Department of Anatomy. Dr. Landacre's exceptionally high standards in both academic achievement and research guide the society's promotion and support of medical student research activities. In addition to providing students with information about research opportunities at Ohio State, Landacre also holds research seminars, hosts speakers, participates in the organization of the annual OSU COM Trainee Research Day, and recognizes faculty members who have demonstrated a strong commitment to medical student research with the Landacre Faculty Award. Students inducted into the society have demonstrated exceptional achievement in research. Membership is open to all medical students at The OSU COM who have demonstrated excellence in medical research and fulfilled membership criteria. Students interested in joining Landacre can see a full list of requirements on the website. Each year new inductees are welcomed into the Society at the Annual Induction Ceremony and Awards Banquet. This year's event was held on May 13, 2015 at the Ohio Union. The 2015 keynote address was given by **Ahmet Kilic, MD** (photo right). Dr. Kilic is Assistant Professor of Surgery and Director of Ventricular Assist Device Program in the Division of Cardiac Surgery. The 2015 Landacre Research Mentor of the Year award was

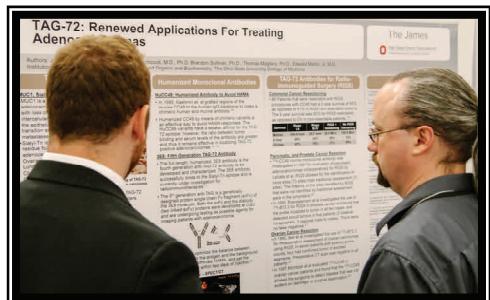
given to **Maryam Lustberg, MD MPH**, (photo left) Assistant Professor, Internal Medicine and Director of the Breast Cancer Survivorship Program, and **Balveen Kaur PhD**, (photo right) Professor Vice-Chair of the Department of Neurological Surgery was selected as the 2015 recipient of the Landacre Distinguished Researcher of the Year Award. For the full list of new inductees visit the News and Awards section of the [MDSR website](http://medicine.osu.edu/go/mdsr). <http://medicine.osu.edu/go/mdsr>



2015 Landacre Inductees pictured left.

The 2015 College of Medicine Trainee Research Day

The 14th Annual Trainee Research Day took place on April 15th and 16th in the Biomedical Research Tower and Davis Heart and Lung Research Institute. Research Day provides an opportunity for research trainees at the OSU College of Medicine to present their biomedical research in a public forum and to compete for travel awards. The trainee groups include graduate, undergraduate, medical and MD/PhD students, as well as postdoctoral researchers and fellows and clinical residents and fellows. Research Day also presents an opportunity for colleagues and visitors to learn about research occurring at Ohio State. More than 360 trainees presented their posters, representing a wide array of research topics, throughout the day on April 15th and 16th.



Research Day also featured a keynote address by **Keith Joung, MD, PhD** and **Sanjay Rajagopalan, MD**. Dr. Joung (photo right) is Associate Chief of Pathology for Research, the Jim and Ann Orr Research Scholar, Director of the Molecular Pathology Unit, and a member of the Center for Cancer Research, the Center for Computational and Integrative Biology, and the Center of the Study of Inflammatory Bowel Diseases at Massachusetts General Hospital (MGH). He is also an Associate Professor of Pathology at Harvard Medical School (HMS), an Associate Member of the Broad Institute, and an Affiliated Faculty Member of the Harvard Stem Cell Institute. Dr. Rajagopalan is head of the Division of Cardiovascular Medicine at the University of Maryland, and is on the leadership team of the Division of Cardiac Surgery to support the UM Comprehensive Heart Center. The Heart Center has gained national recognition for bringing together multidisciplinary teams of experts to treat complex heart conditions using the latest medical, interventional and surgical techniques.



Pictured above, members of the 2015 planning committee:

on the leadership team of the Division of Cardiac Surgery to support the UM Comprehensive Heart Center. The Heart Center has gained national recognition for bringing together multidisciplinary teams of experts to treat complex heart conditions using the latest medical, interventional and surgical techniques.

The event also included state-of-the-art faculty lectures given by **Stephen J. Kolb, M.D., Ph.D.** Director, Ohio State Amyotrophic Lateral Sclerosis and Motor Neuron Disease Multidisciplinary Clinic and Research Program at OSU, and **Christopher M. Walker, Ph.D.** Director of the Center for Vaccines and Immunity at The Research Institute at Nationwide Children's Hospital.

The Allan Yates Distinguished Research Scholars was Sara Adelman, who discussed her research project titled “NaV1.5 variant 1849R shows reduced binding to FGF-12 and associates with LQT-3 and atrial fibrillation in human patients”. Research Day wrapped up with an awards ceremony recognizing the outstanding research and mentorship at OSU COM. The 2015 Mentor of the Year award was given to **Gary Smith MD**, (pictured right) Professor of Pediatrics, Emergency Medicine and Epidemiology at the Ohio State University.



For more information and the full list of award winners please visit the Research Day website. <https://researchday.osu.edu/>



The 2016 event will be held on Thursday April 21st 2016 with morning and afternoon poster sessions and a Keynote Address by Richard P. Lifton, MD, PhD. Dr. Lifton is Chair of the Department of Genetics, Sterling Professor of Genetics and Internal Medicine, Founder and Executive Director of the Yale Center for Genome Analysis and Investigator of the Howard Hughes Medical Institute at Yale School of Medicine. His presentation is very timely given the recent emphasis on precision medicine. In addition to his many accomplishments, Dr. Lifton is one of the recipients of the 2015 ["Breakthrough Prize"](#). <https://www.hhmi.org/news/breakthrough-prize-awarded-richard-lifton>

Recent Medical Student Publications

Student	Research Mentor	Publications
Christopher Brooks M3	Irene Mikhail MD, Pediatrics	<p>1. Variability in the Recognition and Management of Food Induced Anaphylaxis in Pediatric Emergency Departments and Urgent Care Centers. <i>The Journal of Allergy and Clinical Immunology</i>. February 2015 Volume 135, Issue 2, Supplement, Page AB2</p> <p>2. Accidental Exposures to Known Food Allergens: Lessons from Pediatric Emergency Departments and Urgent Care Centers. <i>The Journal of Allergy and Clinical Immunology</i>. February 2015 Volume 135, Issue 2, Supplement, Page AB251.</p>
Priyanka Chablani M4	Evan Wuthrich, MD, Radiation Oncology & Terence Williams MD, PhD, Radiation Oncology	<p>1. Aspirin Response Test role in platelet transfusion following intracerebral hemorrhage. <i>Clinical Neurology and Neurosurgery</i>. 2015 Oct;137:12-4.</p> <p>2. Perineural Invasion Predicts for Distant Metastasis in Locally Advanced Rectal Cancer Treated with Neoadjuvant Chemoradiation and Surgery. <i>American Journal of Clinical Oncology</i>. 2015 Dec 22.</p> <p>3. Does Delaying Surgical Resection After Neoadjuvant Chemoradiation Impact Clinical Outcomes in Locally Advanced Rectal Adenocarcinoma? A Single Institution Experience. <i>Journal of Clinical Oncology</i>. 2015 Nov 3</p>
Aila Co M3	Jay Iams MD, Maternal Fetal Medicine	Relation of body mass index to frequency of recurrent preterm birth in women treated with 17-alpha hydroxyprogesterone caproate. <i>Am J Obstet Gynecol</i> . 2015 Aug;213(2):233.e1-5. doi: 10.1016/j.ajog.2015.04.018. Epub 2015 Apr 23.
James Duncan M4	Roger Dzwonczyk PhD, Anesthesiology & Jessica Kaffenberger MD, Dermatology	<p>1. Cerebral oxygenation and / processed EEG response to clamping and shunting during carotid endarterectomy under general anesthesia. <i>Journal of Clinical Monitoring and Computing</i>. 2015 Dec;29(6):713-20 .</p> <p>2. Perianal Tumor with Overlap Features of Fibroadenoma and Phyllodes Tumor arising / from Anogenital Mammary-like Glands. <i>J Cutan Pathol</i>. 2015 Oct 19. doi: 10.1111/cup.12629. [Epub ahead of print]</p>
Ian Green M4	Debra Zynger MD, Pathology	<p>1. Trends in prostatic adenocarcinoma tumor volume by visual estimation in prostatectomy specimens. <i>Pathology - Research and Practice</i>. 2012 Oct 15;208(10):578-83.</p> <p>2. Do amount of variant differentiation and mitotic rate in bladder cancer change with neoadjuvant chemotherapy? <i>Human Pathology</i>. Volume 46, Issue 9, September 2015, Pages 1367–1375</p>
Raffi Hagopian M4	Sameek Roychowdhury MD, PhD, Medical Oncology	<p>1. Comparison of custom capture for targeted next-generation DNA sequencing. <i>Human Mutation</i>. 2015 Sep;36(9):903-14.</p> <p>2. Evaluation of Hybridization Capture Versus Amplicon-Based Methods for Whole Exome Sequencing. <i>The Journal of Molecular Diagnostics</i>. 2015 Jan;17(1):64-75.</p>
Christopher Hong M4	Russell Lonser MD, Neurosurgery	<p>1. Comparison of endoscope- versus microscope-assisted resection of deep-seated intracranial lesions using a minimally invasive port retractor system. <i>Journal of Neurosurgery</i>. 2015 Aug 28:1-12.</p> <p>2. Activation of hypoxia signaling induces phenotypic transformation of glioma cells: implications for bevacizumab antiangiogenic therapy. <i>Oncotarget</i>. 2015 May 20; 6(14): 11882–11893.</p> <p>3. Asynchronous leptomeningeal carcinomatosis from pancreatic cancer: a case report and review of the literature. <i>Clinical Journal of Gastroenterology</i>. October 2014, Volume 7, Issue 5, pp 434-440.</p> <p>4. LB100, a small molecule inhibitor of PP2A with potent chemo- and radio-sensitizing potential. <i>Cancer Biology & Therapy</i>. 2015;16(6):821-33.</p> <p>5. Delayed cerebral radiation necrosis after neutron beam radiation of a parotid adenocarcinoma: a case report and review of the literature. <i>Case Reports in Neurological Medicine</i>. 2014;717984.</p> <p>6. Maternal embryonic leucine zipper kinase: key kinase for stem cell phenotype in glioma and other cancers. <i>Molecular Cancer Therapeutics</i>. 2014 Jun;13(6):1393-8.</p> <p>7. A pilocytic astrocytoma mimicking a clinoidal meningioma. <i>Case Reports in Radiology</i>. 2014;524574.</p> <p>8. Multi-kinase inhibitor C1 triggers mitotic catastrophe of glioma stem cells mainly through MELK kinase inhibition. <i>PLoS One</i>. 2014 Apr 16;9(4):e92546.</p> <p>9. Impairment of glioma stem cell survival and growth by a novel inhibitor for Survivin-Ran protein complex. <i>Clinical Cancer Research</i>. 2013 Feb 1;19(3):631-42.</p>

Recent Medical Student Publications

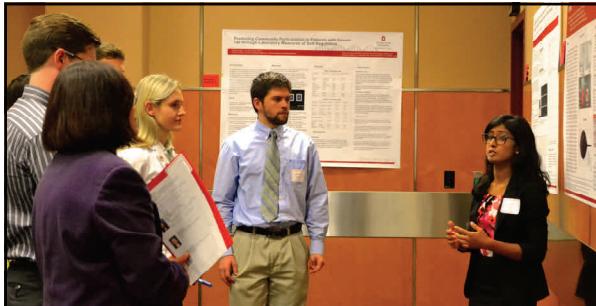
Student	Research Mentor	Publications
Abigail Lang M4	Sarah O'Brien MD, Pediatrics NCH	The accuracy of a patient or parent-administered bleeding assessment tool administered in a pediatric hematology clinic. <i>Haemophilia</i> Volume 20, Issue 6, pages 807–813, November 2014
Ezra Lyon M3	Sameek Roychowdhury MD, PhD, Medical Oncology	Evaluation of Hybridization Capture Versus Amplicon-Based Methods for Whole Exome Sequencing. <i>Human Mutation</i> Volume 36, Issue 9, pages 903–914, September 2015
Nathan Mahler M4	Christopher Breuer MD, Pediatric Surgery	<ol style="list-style-type: none"> 1. Cilostazol, Not Aspirin, Prevents Stenosis of Bioresorbable Vascular Grafts in a Venous Model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i>. 2015; 35: 2003-2010 2. Regenerative implants for cardiovascular tissue engineering. <i>Translational Research</i> Volume 163, Issue 4, April 2014, Pages 321–341 3. Scaffolding for challenging environments: materials selection for tissue engineered intestine. <i>Journal of Biomedical Materials Research Part A</i> Volume 102, Issue 11, pages 3795–3802, November 2014
Roshan Patel M3	Maryam Lustberg, MD, MPH, Internal Medicine	Risk factors for anthracycline-associated cardiotoxicity. <i>Support Care Cancer</i> . 2015 Nov 12. [Epub ahead of print]
Allison Schroeder M4	Tom Best MD, PhD, Family Medicine & David Bahner MD, Emergency Medicine	<ol style="list-style-type: none"> 1. Epidemiology of Overuse Injuries among High-School Athletes in the United States. <i>The Journal of Pediatrics</i>. 2015 Mar;166(3):600-6. 2. Is self myofascial release an effective pre-exercise and recovery strategy? A literature review. <i>Current Sports Medicine Reports</i>. 2015 May-Jun;14(3):200-8. 3. Risk of overuse injury in high school athletes. <i>Lower Extremity Review</i>. April 2015.
Janani Singaravelu M3	Maryam Lustberg, MD, MPH, Internal Medicine	Endocrine therapy in breast cancer: the neoadjuvant, adjuvant, and metastatic approach. <i>Seminars in Oncology Nursing</i> . 2015 May;31(2):146-55.
Clayton Ellis Wisely M4	Laura Matrka MD, Otolaryngology	<ol style="list-style-type: none"> 1. Positive outcomes following bilateral cochlear implantation in a child with X-linked deafness. <i>Annals of Otology, Rhinology & Laryngology</i>. 2016 Feb;125(2):173-6. 2. Eucapnic voluntary hyperventilation to detect exercise- induced bronchospasm in cystic fibrosis. <i>Lung</i>. 2015 Oct;193(5):733-8. 3. Long-term visual acuity outcomes in patients with uveal melanoma treated with 125I episcleral OSU-Nag plaque brachytherapy. <i>Brachytherapy</i>. 2015 Oct 29. 4. Identification of new bacterial and fungal pathogens on surveillance bronchoscopy prior to sinus surgery in patients with cystic fibrosis. <i>Pediatric Pulmonology</i> Volume 50, Issue 2, pages 137–143, February 2015 5. Transmastoid approach to spontaneous temporal bone cerebrospinal fluid leaks: hearing improvement and success of repair. <i>American Academy of Otolaryngology—Head and Neck Surgery</i>. 2014 Mar;150(3):472-8.
Peter Yu M3	Denis Guttridge PhD, Molecular Virology, Immunology and Medical Genetics & Hans Iwenofu MBBS, Pathology	A Selective Screening Platform Reveals Unique Global Expression Patterns of microRNAs in a Cohort of Human Soft-Tissue Sarcomas. <i>Laboratory Investigation</i> . In Press

2015 Medical Student Research Symposium

The inaugural [Medical Student Research Symposium](#) took place on October 2nd, 2015 in the Ross Hospital Auditorium Lobby. The annual event is aimed at improving the scientific communication skills of medical students who receive funding through the College of Medicines Medical Student Research Program. The research grants are funded by the Roessler, Bennett, and Barnes Research Scholarship.

Sixty-one MDSR Scholars presented their work during a small group faculty led breakout session, and then collaborated on answering questions about methods and challenges for effective scientific communication. Each group reported out and shared tips on how to be successful when presenting your research in diverse venues. The report out segment of the evening was followed by open poster viewing.

Congratulations to all of our research scholars on the culmination of a successful summer!



Read more about the event here <http://go.osu.edu/mdsymposium>



An Introduction to Medical Student Research Opportunities

On Thursday September 21st 2015, the Office of Medical Student Research Education held an informational session with the goal of introducing medical students to some of the research opportunities in the OSU College of Medicine. The session included tips about how to find a research mentor, information on the numerous funding options available to medical students, a student panel and an in-depth look at requirements for IHIS use in research.

Links to all of the MDSR presentations and events are available on the [Events and Presentations page](#) of the MDSR website.
<http://go.osu.edu/mdsrevents>



MDSR Program Contact Information

Medical Student Research Program Websites:

<http://medicine.osu.edu/go/mdsr>

[MDSR Newsletter and Events - http://go.osu.edu/MDSRevents](http://go.osu.edu/MDSRevents)

[Research Opportunities - http://go.osu.edu/MDSResearchopportunities](http://go.osu.edu/MDSResearchopportunities)

Attention research mentors: you can advertise your research opportunities on the MDSR website by completing a Faculty Research Announcement Request.

<http://go.osu.edu/MDSRmentors>

This provides medical students with an array of research opportunities in one easy location!

We want to hear from you!

To submit an item for the newsletter or to highlight medical student research accomplishments, email:
research.education@osumc.edu



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Mark Your Calendar! Upcoming Events

Date	Event	Location
Tuesday, Aug. 4 1:30 – 2:00 PM	COM Medical Student Orientation “Research Opportunities”	160 Meiling Hall
Thursday, Aug. 20 10:00-11:00 AM	Career Development: Research in Medical Careers	160 Meiling Hall
Wednesday Aug. 26 9:30-10:30 AM	Evidence Based Inquiry & Research Learning Objectives	160 Meiling Hall
Monday, Sept. 21 12:00-1:30 PM	Introduction to Medical Student Research Opportunities & Identifying a Research Mentor Information Session	160 Meiling Hall
Friday, Oct. 2 2:30-5:00 PM	Medical Student Research Symposium	Ross Heart Hospital Conference Center and Lobby
Friday, Oct. 2 9:00 AM	2016 COM Medical Student Research Scholarship Application Process Opens, 9:00 AM	<u>Medical Student Research Website</u> http://medicine.osu.edu/go/mdsr
Monday, Oct. 12 12:00 – 1:30 PM	Medical Student Research Funding Opportunities Information Session	160 Meiling Hall
Thursday, Oct. 15 4:00-6:00 PM	Medical Student Research Opportunities Fair Meet faculty from OSU COM and NWCH	115 BRT
Wednesday Oct. 21 6:00PM-8:00PM	2015 Dean's Fall Scholarship Awards Ceremony (Presentation of Awards to Medical Students Recognized for Research Accomplishments)	115 BRT
Thursday, Nov. 19 12:00 -1:30 PM	Extramural Research Application Information Session	1167 Graves
Monday, Nov. 23 10:00-11:00 AM	How to Prepare a Competitive Research Proposal	160 Meiling Hall
Monday, Dec. 14 5:00 PM	COM Medical Student Research Scholarship Phase I Documents Due, 5:00 PM	<u>Medical Student Research Website</u> http://medicine.osu.edu/go/mdsr
Week of Jan. 1	2016 Extramural Research Applications Deadlines (HHMI, Sarnoff...)	Various, see specific sponsor websites
Friday, Jan. 8, 2016	COM Medical Student Research Scholarship Phase II Documents Due, 5:00 PM	<u>Medical Student Research Website</u> http://medicine.osu.edu/go/mdsr
Jan. 25, 2016 – Feb. 5, 2016	Landacre Research Honor Society Application Process	<u>Landacre Website</u> http://go.osu.edu/LANDACRE
Monday April 4	COM Medical Student Research 2016 Scholarship Award Notifications (MDSRS)	Email Notification
April 21, 2016	2016 OSU COM Trainee Research Day	BRT
Thursday May 12 th 5:00 – 8:00 PM	2016 Landacre Honor Society Induction Ceremony	Ohio Union
Friday May 27th 12:30-3:30 PM	Medical Student Summer Research Kickoff (Mandatory of all MDSR Scholarship Recipients)	115 BRT