MISSION STATEMENT

The Center for Minimally Invasive Surgery International Visiting Scholar Program will provide the highest level of observation and training in advanced techniques of minimally invasive surgery, preparing scholars for future clinical practice, research, and teaching.

The goals of this program are to:
• Expose trained surgeons to advanced application of new techniques in minimally invasive surgery.
• Prepare individuals to train others in the application of this new technology.
• Include these individuals in the development of new applications and technology and provide them with the guidance and the resources to develop independent investigational projects evaluating treatment modalities in minimally invasive surgery or robotic surgery.
<table>
<thead>
<tr>
<th>CONTENTS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Description and Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>Faculty</td>
<td>4</td>
</tr>
<tr>
<td>Previous Scholars</td>
<td>6</td>
</tr>
<tr>
<td>MIS Surgical Services and Procedures</td>
<td>7</td>
</tr>
<tr>
<td>Program Policies &amp; Procedures</td>
<td>8</td>
</tr>
<tr>
<td>Eligibility and How to Apply</td>
<td>9</td>
</tr>
<tr>
<td>The Ohio State University Wexner Medical Center</td>
<td>10</td>
</tr>
<tr>
<td>Medical Center Maps</td>
<td>12</td>
</tr>
<tr>
<td>Columbus, OH</td>
<td>13</td>
</tr>
<tr>
<td>Greater Columbus Area Map</td>
<td>14</td>
</tr>
</tbody>
</table>
INTERNATIONAL VISITING SCHOLAR DESCRIPTION AND CURRICULUM

Our program offers a unique opportunity for visiting scholars to participate in observation of an academic medical center, including the opportunity to attend continuing medical education courses and actively participate in both animate and dry laboratory work to advance the field of minimally invasive surgery. The cases completed by our faculty are varied and advanced in nature. Scholars leave the program feeling prepared to take back techniques they have learned to their home institution. The Ohio State University Center for Minimally Invasive Surgery (CMIS) is dedicated to the success of our visiting scholars. We offer a dedicated support staff that provides the infrastructure to make education and research an easy addition to clinical observations.

The laparoscopic experience will include training through observation in advanced surgical techniques including common duct exploration, hernia repair, bowel resection, gastroesophageal surgery, robotic surgery, bariatric surgery and solid organ removal. Scholars will also have the opportunity to observe flexible endoscopy, including diagnostic, therapeutic and advanced upper and lower endoscopy of the GI tract and ERCP available. The time frame is flexible but minimum experience of 1-6 months is suggested.
**FACULTY**

**Jeffrey W. Hazey, MD, FACS**
Interim Chief, Division of General & Gastrointestinal Surgery
Co-Director, Advanced Therapeutic Endoscopy Fellowship

Dr. Jeffrey W. Hazey is an Associate Professor of Surgery in the Division of General and Gastrointestinal Surgery at The Ohio State University Wexner Medical Center. He attended medical school at Case Western Reserve University and completed his surgical training at University Hospitals of Cleveland/Case Western Reserve Integrated Surgical Residency Program in 1999. Dr. Hazey went on to complete an advanced endoscopic and laparoscopic fellowship at the Cleveland Clinic Foundation in 2000 and joined the staff at East Carolina University, Brody School of Medicine where he spent the first three years of his academic career specializing in advanced laparoscopic techniques and advanced endoscopic surgery including ERCP. He joined the faculty at The Ohio State University Medical Center in August 2003 and continues his work in minimally invasive surgery and ERCP. He is actively involved in Natural Orifice Transluminal Endoscopic Surgery (NOTES) research and is a fellow of the American College of Surgeons and an active member of SAGES.

**Dean J. Mikami, MD, FACS**
Associate Director for Education, CMIS
Director, International Visiting Scholar Program

Dr. Mikami is an Associate Professor of Surgery in the Division of General and Gastrointestinal Surgery at The Ohio State University Wexner Medical Center. He attended medical school at the University of Kansas and completed his surgical training at The Ohio State University in 2003. Dr. Mikami stayed on at OSU to complete a fellowship in minimally invasive and bariatric surgery and subsequently joined the faculty in 2004. Dr. Mikami continues his work in minimally invasive surgery, bariatric surgery and advanced endoluminal therapy. He is a member of the American College of Surgeons, and an active member of SAGES, ASMSBS and the American Hernia Society.

**Vimal K. Narula, MD, FACS**
Associate Director for Clinical Affairs, CMIS
Co-Director, Advanced Therapeutic Endoscopy Fellowship

Dr. Vimal Narula is an Associate Professor of Surgery in the Division of General and Gastrointestinal Surgery at The Ohio State University Wexner Medical Center. He earned his medical degree from Marshall University School of Medicine and stayed on to complete his general surgery residency, graduating in 2005. Following residency, Dr. Narula completed one year fellowships in Minimally Invasive and Bariatric Surgery and Advanced Therapeutic Endoscopy & Gastrointestinal Surgery, respectively, at The Ohio State University and joined the faculty at OSU in 2009. His current areas of academic/research interests include minimally invasive surgery, surgical endoscopy, Natural Orifice Transluminal Endoscopic Surgery (NOTES), hernia repair, surgical simulation, education and robotics. He is a fellow of the American College of Surgeons, an active member of SAGES, the American Hernia Society and the Society for Surgery of the Alimentary Tract.

**Bradley J. Needleman, MD, FACS**
Director, CMIS
Director, Comprehensive Weight Management & Bariatric Surgery Program
Co-Director, MIS-Bariatric Fellowship

Dr. Needleman is an Associate Professor of Surgery, Medical Director of the Comprehensive Weight Management & Bariatric Surgery Center and Director of the Center for Minimally Invasive Surgery at The Ohio State University Wexner Medical Center. He is also the Director of the Advanced Minimally Invasive-Bariatric Surgery Fellowship. Dr. Needleman earned his medical degree from the Mount Sinai School of Medicine in 1994 and completed his general surgical residency at Washington Hospital Center in Washington, DC in 1999. He then went on to complete a fellowship in minimally invasive surgery at The Ohio State University Medical Center and afterwards was appointed to the faculty. Dr. Needleman is a member of the American College of Surgeons, and an active member of SAGES and ASMSBS.

**Sabrena F. Noria, MD, PhD, FRCSC**

Dr. Noria is an Assistant Professor of Surgery in the Division of General and Gastrointestinal Surgery at The Ohio State University Wexner Medical Center. She attended college at the University of Toronto earning an Honors Bachelor of Science in Human Biology and then proceeded to get her Doctorate of Philosophy in 2001. She earned her medical degree at the University of Toronto, where she also completed her general surgery residency training. In 2010, she completed a one-year fellowship in minimally invasive and bariatric surgery here at OSU and returned to join the faculty in 2013, focusing her practice on advanced minimally invasive and bariatric surgery. Dr. Noria is a member of the Royal College of Physicians and Surgeons of Canada, a candidate member of the American College of Surgeons and SAGES.

**Kyle A. Perry, MD, FACS**
Associate Director for Research, CMIS
Co-Director, MIS-Bariatric Fellowship

Dr. Perry is an Assistant Professor of Surgery in the Division of General and Gastrointestinal Surgery at The Ohio State University Wexner Medical Center. He earned his medical degree from Temple University and completed his general surgery residency at Rush University Medical Center in 2007. Following residency, he completed a fellowship in minimally invasive surgery at Oregon Health and Science University in Portland Oregon. In 2009, Dr. Perry joined the faculty at the Ohio State. His current areas of academic/research interests include esophageal and gastrointestinal cancer, minimally invasive gastrointestinal surgery, GERD and hernia repair. He is a member of the American College of Surgeons and an active member of SAGES.
CONTRIBUTING FACULTY - DEPARTMENT OF SURGERY

Mark W. Arnold, MD, FACS
Professor of Clinical Surgery
Vice Chairman for Surgical Education
Director, Division of Colon & Rectal Surgery

E. Christopher Ellison, MD, FACS
The Robert M. Zollinger Professor of Surgery
Senior Associate Vice President for Health Sciences Vice Dean of
Clinical Affairs, College of Medicine CEO, Faculty Group Practice

Alan E. Harzman, MD, FACS
Assistant Professor of Surgery
Program Director, General Surgery Residency Program
Division of Colon & Rectal Surgery

Syed Husain, MBBS
Assistant Professor of Surgery
Division of Colon & Rectal Surgery

Andrei V. Manilchuk, MD, FACS
Assistant Professor of Surgery
Division of General and Gastrointestinal Surgery

Michael P. Meara, MD, MBA
Assistant Professor of Surgery
Division of General and Gastrointestinal Surgery

Peter Muscarella II, MD, FACS
Associate Professor of Surgery
Division of General and Gastrointestinal Surgery

David B. Renton, MD, MPH, FACS
Assistant Professor of Surgery
Division of General and Gastrointestinal Surgery
PREVIOUS INTERNATIONAL VISITING SCHOLARS

Mohey El-Banna – Cairo, Egypt – 6/2001-12/2001
Andreas Kiriakopoulos – Athens, Greece – 9/2002-2/2003
Osama Gawad – Cairo, Egypt – 1/2008-6/2008
Karolina Donocik – 11/2008
Jozef Donocik – 11/2008
Nabil Ghobril – Cairo, Egypt – 6/2009
Ozgur Firat – Izmir, Turkey – 9/2009-12/2010
Duo Xu – Peoples Republic of China – 12/2012-2/2013
MINIMALLY INVASIVE SURGERY SURGICAL SERVICES AND PROCEDURES

Surgical Services
There are in general surgery three primary "services" to which participants can observe.
Foregut/Hernia
Bariatric
ERCP/Endoscopy
Other Available MIS Services: Colorectal and Surgical Oncology

Endoscopy Procedures
Advanced therapeutic and interventional endoscopic procedures including (ERCP)
GI stenting & Dilation
Stretta
BarrX & Bravo probe placement
Endoscopic cyst-gastrostomy
Natural Orifice Transluminal Endoscopic Surgery (NOTES)
Peroral Endoscopic Myotomy (POEM)

Laparoscopic Procedures
Benign and malignant esophageal and gastric diseases
Colon and solid organ surgery
Gastrointestinal surgery
Gastric bypass, sleeve gastrectomy, and revisional bariatric surgery
Repair of complex abdominal wall hernias
Clinical

Operating Room Access
Scholars are only permitted to enter the operating room under the supervision and direction of a physician licensed to practice in the state of Ohio and credentialed to practice at The Ohio State University Wexner Medical Center. Activities which may be acceptable include being present during surgery in ways that do not compromise the care of the patient; being present in the operating room but not performing procedures.

Clinical Observation
Scholars entering into an evaluation of a patient under the supervision and direction of a physician licensed to practice in the state of Ohio and credentialed to practice at The Ohio State University Wexner Medical Center. Activities which may be acceptable include being present during therapies and treatment in ways that do not compromise the care of the patient. Making a diagnosis and entering it in a patient chart, prescribing treatment or medication ordered by the physician or other health care professionals is beyond the scope of acceptable actions.

Clinic Schedules
Each of our surgeons have a focused clinic at least one day per week as listed below.

- **Monday:** Dr. Mikami (bariatric/hernia), Dr. Perry (foregut malignant), Dr. Narula (GI surgery), Dr. Husain 1st & 3rd of the month (colorectal)
- **Tuesday:** Dr. Needleman (bariatric), Dr. Husain 2nd,4th, & 5th of the month (colorectal), Dr. Harzman (colorectal)
- **Wednesday:** Dr. Husain (colorectal)
- **Thursday:** Dr. Noria (bariatric), Dr. Harzman (colorectal)
- **Friday:** Dr. Hazey (GI surgery), Dr. Perry (GI/Foregut)

Research
Scholars that are primarily conducting research and potentially observing clinical care in the observation room or in an evaluation room in connection with a research project are to observe only and have no patient contact. Scholars are invited to participate in research projects and bimonthly research meetings in CMIS. Scholars can work on an existing CMIS related project or identify a new project. Access to patient electronic medical records is not allowed so scholars would need to identify an existing potential project with one of the Center’s clinical research coordinators. We highly encourage scholars to work on their own research during their time here. Faculty are available to provide guidance on works for publication.

Education

Courses
The Center for Minimally Invasive Surgery hosts 6-8 post graduate courses per year. Scholars are invited to attend as participants. In addition, there are almost weekly resident teaching labs. A list of courses will be made available to scholars upon arrival.

Conferences
Scholars are invited to attend a weekly Grand Rounds held on Thursday mornings at 7am and M&M held on Thursday mornings at 8am. Additionally, scholars are invited to participate in the monthly “Innovations in Surgery” videoconferences held in the CMIS conference room. These are scheduled for the 1st Friday of each month from 6:45am-7:45am. As well as, minimally invasive and bariatric surgery conferences and journal clubs held by attending surgeons. A schedule will be provided to you.
ELIGIBILITY AND HOW TO APPLY

1. Each visiting scholar must receive immunizations and provide immunization and communicable disease history information. The following immunizations/tests are required:
   a. Rubella. Individuals born after 1957, must have positive titer or be revaccinated if they have not been vaccinated since 1980. If born in or before 1957, they must have a history of Rubella; if they have a negative titer, they must be vaccinated.
   b. Rubeloa. Individuals born after 1957 must have positive titer or be vaccinated if they have not been vaccinated since 1980. If born in or before 1957, they must have a history of Rubeola; if they have a negative titer, they must be vaccinated.
   c. Hepatitis B. Documentation of positive protective antibody titer or vaccination series is necessary.
   d. Chicken Pox. Individuals must provide a positive or negative history of the disease. If history is unknown or negative, a titer should be performed. Those individuals who have negative titer are required to receive varivax immunization unless precluded from doing so for a medical condition.
   e. Tuberculosis. Individuals must have proof of a Tuberculosis skin test within 12 months prior to the visiting scholar appointment. Those individuals with a positive PPD test must have a chest x-ray and certification from a licensed physician that they are free of active Tuberculosis.
   f. Seasonal influenza vaccine. Individuals must have proof of having received the seasonal influenza vaccine within the same flu season that the visiting scholar will be at Ohio State.

The following immunizations are recommended:
   a. Tetanus/Diphtheria Immunization. Individuals must receive this immunization within the last ten years
   b. Mumps Immunization. If individuals have a negative titer or a negative history of the disease, they must receive this immunization.

2. An appropriate visa is required. The Office of International Medicine, the sponsoring department, and/or The Ohio State University Office of International Education will assist with the visa process as appropriate.

3. Participants are required to carry international health insurance for the duration of the appointment. If the scholar does not have this item before arrival, then the insurance can be obtained at The Ohio State University for a minimal monthly fee once the scholar arrives in Columbus, Ohio.

4. Proficiency in written and spoken English is required.

5. Visiting appointments are non-salaried without benefits.

6. Participation in The Ohio State University Office of International Education one-hour scholar orientation session offered Monday through Friday from 4:00 to 5:00 p.m. is required upon arrival.

7. Participant must pass a written OSU HIPAA test.

8. Participant must supply a certified letter from his/her medical school, stating that the participant graduated in good standing.

9. Participant must supply his/her up-to-date curriculum vitae/resume.

Any interested applicants should submit the following to Heidi.Pieper@osumc.edu:
1. Updated CV
2. Biographical Page of Your Passport
3. Personal Statement – In 1 to 2 paragraphs, please describe your educational and work history, and describe the education and research goals you which to achieve while at OSU Center for Minimally Invasive Surgery. Please list your preferred dates of attendance.

After all materials are submitted, the scholar’s packet will be presented for consideration. CMIS will notify the scholar of determination.
A WORLD CLASS MEDICAL CENTER

Health care at The Ohio State University Wexner Medical Center is future-focused and driven by our mission to improve people’s lives through innovation in research, education and patient care. Our staff of 17,000 is earning international distinction by delivering health care that is predictive, preventive, personalized and participatory. We call it P4 Health.

A $1.1 billion Medical Center expansion project currently under way promises to transform The OSU Wexner Medical Center into a leader in innovative health care by revitalization of the research, education and patient care spaces, utilities, infrastructure and green spaces across our Medical Center campus.

A centralized single tower design will house the new Arthur M. James Cancer hospital and Richard J. Solove Research Institute, along with a new critical care building and integrated spaces for research, education and patient care. The expansion project will allow the Medical Center to serve an additional 320,000 patients annually and will provide a rich learning and collaborative environment for our students, faculty and researchers.

Ranked as one of “America’s Best Hospitals” for the 21st consecutive year by U.S. News & World Report, The Ohio State University Wexner Medical Center is a national leader in personalized health care providing more than $177 million in annual community benefits through charity care, outreach efforts and other support.
1. The Richard M. Ross Heart Hospital places Ohio State among a small group of academic medical centers that have melded cardiovascular research with clinical care to form integrated heart care programs tailored to the needs of the patient.

2. The James Cancer Hospital and Solove Research Institute is one of only 40 hospitals in the country to be designated a comprehensive cancer center by the national Cancer institute. annually recognized among the nation’s best hospitals by U.S.News & World Report, The Ohio State University Wexner Medical Center and James Cancer hospital and Solove research institute attract patients from Ohio and around the world.

3. University Hospital East blends the friendly atmosphere of a small community hospital with the full resources of a world-class academic medical center. It provides a full spectrum of general, specialty and acute care programs.

4. Ten Ohio State University medical programs, including those that treat cancer and heart disease, have been designated among the nation’s best programs within their respective specialties, according to a 2012 U.S. News & World Report survey. The 10 specialties recognized are cancer; cardiology and heart surgery; diabetes and endocrinology; ear, nose and throat; geriatrics; gynecology; nephrology; pulmonology; rehabilitation and urology.

5. The Ohio State University College of Medicine is one of the nation’s top medical schools, ranking 39th among all 126 accredited medical schools and 20 schools of osteopathic medicine in the U.S., 14th among public schools, by U.S. News & World Report’s Best Colleges issue for 2013.

6. Ohio State’s Biomedical Research Tower is a 10-story, 403,000-square-foot Biomedical research Tower housing internationally recognized research programs in cancer and cancer genetics, cardiovascular and lung disease and high-field imaging, and bringing national and international prominence to Ohio State’s biotechnology and biomedical informatics programs.
Finding Your Way
The Ohio State University Wexner Medical Center

[Map of the Wexner Medical Center Campus]

CMIS International Visiting Scholar Program Overview | 12
COLUMBUS, OHIO

Columbus offers a diverse range of cultural and artistic events, sports, restaurants, festivals, and more— all within close proximity to the OSU Wexner Medical Center.

As one of the fastest-growing metropolitan areas and the 15th largest city in America, Columbus offers the cultural and entertainment advantages of a large city. The Columbus Symphony Orchestra, ProMusica Chamber Orchestra, Ballet Metropolitan, and Opera Columbus are all regional leaders. Art lovers will appreciate the collections and exhibits displayed at The Columbus Museum of Art and the Wexner Center for the Arts, as well as the variety of art galleries tucked among the mix of specialty shops and eateries in Columbus’ Short North and Arena District. The Franklin Park Conservatory, Ohio’s Center of Science and industry, the lifestyle Communities Pavilion, and the nation’s no. 1 ranked Columbus Zoo offer additional leisure activities. Theater companies, popular music venues, and nightclubs are also available, and the city is known for its wide variety of excellent restaurants.

Nature lovers have easy access to some of the most breathtaking parks and scenic rivers in the Midwest, offering hiking, camping, biking, and boating activities. Nearby glacier-carved gorges, waterfalls, and towering cliffs provide opportunities for exploring some of the area’s natural wonders, including Hocking Hills State Park, located just an hour away in the foothills of the Appalachian Mountains.

In addition to Ohio State Buckeye football, sports fans can enjoy the NHL’s Columbus Blue Jackets, the national MLS Champion Columbus Crew men’s professional soccer team, and the Columbus Clippers, the AAA-affiliate of the Cleveland Indians. The PGA Memorial Golf Tournament is held annually at Jack Nicklaus’ Muirfield Village Golf Club, and thousands of runners participate each fall in the Columbus Marathon.

Check these sites for more on Columbus:

liveworkplaycolumbus.com
metroparks.net
experiencecolumbus.com
columbusunderground.com
eastontowncenter.com