

# InSight

## Welcome, Class of 2012



Cleveland Clinic Lerner College of Medicine (CCLCM) has once again enrolled incredible students this year. Thirty-two were selected out of approximately 1300 applicants (over 550 men and 430 women).

The students reign from 28 different colleges with 6 students from Ohio. They come “from the Atlantic to the Pacific” plus one each from Canada, Nigeria and Russia. All 32 majored in at least one science, and 16 had a double or triple major. Five students arrived with master’s degrees and two with doctorates.

This new class as a group has already published 38 articles in 21 journals. Twenty have oral or poster presentations to their credit. All students have health care experience, shadowing as a volunteer or as an EMT. In addition, all volunteered in activities that improved the quality of life for others apart from medicine. The majority tutored in elementary school, high school or college. They have helped the homeless, the mentally ill and the socio-economically disadvantaged.

Faculty members delighted in welcoming them to campus during orientation in July. One of the highlights was a talk on “Professionalism: What is it? And how do I get some?” by **Anthony Thomas, M.D.** He had his audience in laughter, tears, and back to laughter, similar to the roller coaster he described as the physician’s career. Other orientation highlights these students will no doubt remember include receiving their new computers, meeting their advisors and attending receptions.

CCLCM is proud of our students’ work with their University Program colleagues in the development of their oath. At the White Coat Ceremony on July 15, they pledged this oath aloud to their families and friends who support them now and in the years to come. As orientation ended, they were off to their research as the amazing ride begins!

### Get to know the Class of 2012!

The Class of 2012 includes students with expertise in sign language, martial arts and dance. There are painters and musicians, carpenters and writers, coaches and naturalists! We have skiers, soccer players, rock climbers and runners! There are many leaders of faith groups, cultural-ethical organizations and student government. We have a 4-H advisor, pastry chef, patent holder and Eagle Scout.

## Molecular Medicine Ph.D. Program Launches

Cleveland Clinic Lerner College of Medicine and Cleveland Clinic Lerner Research Institute have launched a novel Ph.D. program to train graduate students in the language of medicine and clinical research while teaching them to be solid laboratory researchers.

After long-sought approval by the Case Western Reserve University faculty senate and the Ohio Board of Regents, and funding from the Howard Hughes Medical Institute, the new Ph.D. program in Molecular Medicine was kicked off on July 23, 2007, with the welcoming of the inaugural class of nine Ph.D. students from around the world, including students from the U.S, China, India, Jordan and Brazil.

Molecular Medicine students will spend their first year rotating through three laboratories of approved Molecular Medicine trainers on Cleveland Clinic and Case Western Reserve University campuses. During this time they will choose a permanent thesis advisor.

Students will complete a core curriculum consisting of courses in Human Physiology and Disease; Proteins, Membranes, and Bioenergetics; Metabolism and Introduction to Pharmacology; Nucleic Acids, Gene Expression & Gene Regulation; Mammalian Genetics and Genomics; Cell Biology; Host Defense: Infection and Immunity; Principles of Clinical Research for the Ph.D. Investigator; and ending with a mentored clinical experience. Meanwhile, they will also participate in a weekly journal club and seminar series focused on current topics in Molecular Medicine.



## CCLCM Program Draws Interest

As the CCLCM Program continues to attract national attention, CCLCM has received increasing numbers of requests from medical schools, academic medical centers and universities to visit the program and talk with faculty about the curriculum structure and implementation. Topics of interest include PBL case development, facilitator recruitment and training, faculty development, student assessment, program evaluation and resource allocation to support CCLCM.

Recent visitors have included Maine Medical Center, Technical University of Dresden (Germany), University of Michigan Medical School, and Carilion Health System and Virginia Tech. Future visitors include faculty and administrators from Clinica Alemana-Universidad del Desarrollo (Chile).

## Our Students

### Ram Chadalavada Selected to Attend the Lindau Nobel Laureate Meeting

**Seetharam (Ram) Chadalavada** (Class of 2009), a Westinghouse Scholar, was nominated by the Siemens Corporation and selected by the Council for the Lindau Nobel Laureate to attend the 2007 Lindau Nobel Laureate Meeting. This meeting, the 57<sup>th</sup> to be held, includes Nobel Prize winners and approximately 500 medical students and young researchers from about 60 countries around the globe.

Two physicians in Lindau created the conference in 1951 when they decided to set up a congress to encourage international scientific exchanges with Nobel Laureates to help rebuild the scientific bridges between nations after the Second World War. The annual meetings are a forum for personal contact between Nobel Prize winners and young researchers. Laureates lecture on topics related to biology or medicine, including biochemistry, biotechnology and biophysics in the mornings. In the afternoons, Laureates preside over informal roundtable sessions. During lunches and dinners, Laureates join participants at local restaurants for additional informal discussions.

## Congratulations, RJF Fellowship Recipient!

**Matifadza (Mati) Hlatshwayo** (Class of 2010) has been awarded a fellowship by the Richard J. Fasenmyer (RJF) Center for Clinical Immunology. As part of its mission, the Center seeks to encourage and support careers in HIV medicine and research. To fulfill this goal, it sponsors a one-year fellowship in HIV-related research in either the basic science or clinical arenas. This program provides an opportunity for students to participate in the clinical care of patients with HIV disease. The awardees spend a minimum of a half-day per week in the multidisciplinary HIV clinic in the Department of Infectious Diseases at Cleveland Clinic.



**Mati Hlatshwayo** began her clinical research endeavors in the field by embarking on two HIV/AIDS studies, one cross-sectional and one longitudinal, with **Wendy Armstrong, M.D.**, and **Alan Taege, M.D.** These studies are both aimed at investigating the Cylex ImmuKnow immune cell function assay as a tool to measure immune restoration in persons infected with HIV-1 by exploring potential correlations between immune function and viremia, CD4 nadir, CD4 count and CD4 percent.

The RJF Fellowship program is an exciting opportunity for the HIV research community in Cleveland and will help CCLCM in our goal of attracting the next generation of talented researchers.

## Student-Founded HIV/AIDS Action Group Promotes Education and Involvement

In 2006 in response to the significant medical and social problems associated with the HIV/AIDS epidemic in the United States and abroad, **Matifadza Hlatshwayo** (Class of 2010) and **Nirica Borges** (Class of 2010) co-founded the HIV/AIDS Action Group. The group's aim is to provide opportunities for both medical student and community education. Specifically, its goals are to raise awareness about the global and local AIDS epidemic, become actively involved in raising public awareness about HIV/AIDS, encourage dialogue and activities amongst peers and extend student knowledge and skills to the community.

Dedicated to patient care, education and research in clinical immunology with a focus on HIV/AIDS, the Richard J. Fasenmyer (RJF) Center for Clinical Immunology generously sponsors the group. Through their support, the HIV/AIDS Action Group hosted the first Cleveland Clinic HIV/AIDS Week which included national speakers Shawn Decker and Gwenn Barringer, a viewing of a documentary "Pills, Profits, Protest" as well as the opportunity for Cleveland Clinic employees to take the online

"my HIV risk" assessment survey. These activities were a great success, attended by over 100 faculty, students and community members. Additionally the group took part in the Cleveland AIDS walk and the ACTG national HIV testing event. It was also responsible for training Cleveland Clinic medical students to provide free HIV/AIDS testing and counseling at Community Health Initiative (CHI), the Cleveland Clinic student-run free Clinic.

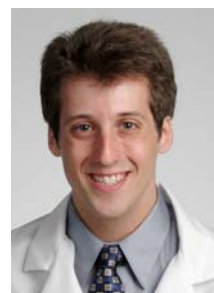
**Leonard Calabrese, D.O.**, serves as the group's faculty sponsor, and Matifadza recently passed leadership of the group on to **Satoko Kanahara** (Class of 2011), under whom the group will continue to raise HIV awareness in the community.



*Nirica Borges (Class of 2010), co-founder, HIV/AIDS Action Group*

## Alumni Board Member for Class of 2009 Elected

When asked for volunteers to step forward to serve a one-year term on the Alumni Board, the Class of 2009 responded enthusiastically. Eight students ran for the position the first go-around, resulting in a run-off to determine the winner. The winner is **Carl Koch**. Congratulations, Carl!



## Our Faculty

### Welcome, New Associate Staff

CCLCM welcomes **Julie Tebo, Ph.D.**, as Associate Staff in the College. Dr. Tebo will continue her roles as the Course Director for Foundations of Molecular Medicine, Thread Director for Cell and Molecular Biology and Biochemistry, and PBL Tutor as well as working with **Kathy Franco, M.D.**, on Admissions Committee activities.

### New Course and Thread Leaders

CCLCM welcomes our new Course and Thread Leaders for the 2007-2008 academic year:



**Hari S. Conjeevaram, M.D.**,  
*Co-Director of Year 1 and Year 2  
Gastroenterology Course*



**Kristin Englund, M.D.**,  
*Director of Infectious Disease  
Thread*



**Donald Jacobsen, Ph.D.**,  
*Director of Year 2 Friday  
Research Seminars*



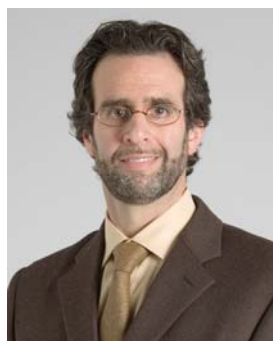
**Paul Murray, Ph.D.**, *Director  
of Physiology Thread*



**David Muzina, M.D.**, *Co-  
Director of Year 2 Neural and  
Musculoskeletal Sciences  
Course*



**Kathleen Quinn, M.D.**, *Co-  
Director of Year 1 Neural and  
Musculoskeletal Sciences  
Course*



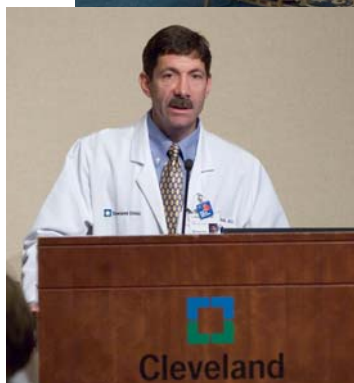
**Daniel Sessler, M.D.**, *Director of  
Clinical Research Summer Block  
and Clinical Research Journal  
Club*

## Retreat Brings Together Clinical Teaching Faculty from across the Campus and Regional Medical Practices

On June 5, 2007 approximately 70 clinical teachers gathered to participate in the “Best Practices” in Clinical Teaching and Assessment Retreat. The half-day conference was organized around an exchange of clinical teaching “pearls” and an opportunity for peer consultation.

Eleven “Best Practice Teachers” kicked off the event by sharing at least one idea that had worked well with students. The 2007 Best Practice Teacher Participants were **Donald Ford, M.D.**; **Yvonne Braver, M.D.**; **Eric Klein, M.D.**; **Vicki Reed, M.D.**; **Lawrence Levy, M.D., Ph.D.**; **George Tesar, M.D.**; **Bud Isaacson, M.D.**; **Lilian Gonsalves, M.D.**; **Richard Lederman, M.D.**; and **Skyler Kalady, M.D.** Peer consultations followed.

The afternoon concluded with two third-year CCLCM medical students, **Mahmoud (Mike) Khair** (Class of 2009) and **Renee Salas** (Class of 2009) sharing their views on the importance of written feedback and telling the group how they used faculty feedback as evidence for their portfolios. The evaluations of the Retreat were overwhelmingly positive. Participants really enjoyed the opportunity to meet and interact with colleagues to discuss teaching.



*Top right: Christine Taylor, Ph.D., Director of Faculty Development and organizer of the retreat, addressed the group.*

*Left: J. Harry (Bud) Isaacson, M.D., Director of Education, assisted in facilitating the sessions.*

## New Faculty Development Associate

**Lily Pien, M.D.**, has joined the Office of Curricular Affairs as a Faculty Development Associate. Dr. Pien is a dedicated educator and has contributed significantly to the CCLCM Program. She is currently taking the lead in the development and implementation of a Resident Educator Program for Cleveland Clinic main campus. Dr. Pien completed the Medical Education Fellowship in 2006. Her project was a training video for residents on managing “The Angry Patient Encounter.” Clinically, Dr. Pien specializes in Allergy and Immunology and divides her time between Westlake and the Cleveland main campus. We are all very pleased to have Lily working with us.



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## CCLCM Co-Sponsored IAMSE Meeting

Cleveland Clinic Lerner College of Medicine and Case Western Reserve University School of Medicine co-sponsored the recent meeting of the International Association of Medical Science Educators (IAMSE). IAMSE is an international professional development society organized in 1997 and includes members from over 50 countries.



IAMSE provides a focus for medical faculty members who teach the sciences fundamental to medical practice to increase skills in areas such as teaching techniques, small group dynamics, student and program assessment, computer technology and human simulators. CCLCM was selected to host the 2007 meeting because of their interest in the CCLCM Program.

Two of the plenary sessions for the 250 participants included CCLCM faculty: **Elaine Dannefer, Ph.D.**, who presented the innovative competency-based assessment system; and **Alan Hull, M.D., Ph.D.**, who presented an overview of the research curriculum. Eight CCLCM students participated in the research education curriculum discussion by presenting scientific research posters that described their research work: **Seetharam Chadalavada (2009)**, **Iva Dostanic-Larson (2011)**, **Anny Hsu (2011)**, **Benjamin Larson (2009)**, **Nancy Pham (2011)**, **Jonathan Riley (2009)**, **Samir Thaker (2011)**, and **Dustin Yoon (2011)**. Sixteen posters were presented by faculty from CCLCM describing their educational activities in the CCLCM or Cleveland Clinic GME programs.

National and international leaders in medical education who were participants and/or invited speakers at the meeting were interested and impressed with CCLCM's curriculum and assessment strategies.

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## Eighteen Faculty Earn the Distinguished Educator Level I Certificate in 2007

Over 50 faculty from across departments participated this year in the Essentials in Clinical and Classroom Teaching and Assessment Program. This program provides education, training and a forum to exchange "best practices" about teaching and assessment with colleagues. From this group of 50, 18 faculty members completed the requirements needed to earn the Distinguished Educator Level I Certificate. To receive the Certificate, faculty must attend the initial Mini-Retreat and five additional sessions and be observed teaching in a venue of their choice. Congratulations to the following faculty:

**Beth Bierer, Ph.D**

**Ehab Farag, M.D.**

**Kimberly Civic-Giuliano, M.D.**

**Lilian Gonsalves, M.D.**

**Manjula Gupta, Ph.D.**

**Marcia Jarrett, Ph.D.**

**Skyler Kalady, M.D.**

**Shakuntala Kothari, M.D.**

**Richard Kratche, M.D.**

**Richard Lederman, M.D., Ph.D.**

**Alan Lichtin, M.D.**

**Arul Mahadevan, M.D.**

**Rita Pappas, M.D.**

**Mary Rensel, M.D.**

**Margaret Richards, Ph.D.**

**Isabel Schuermeyer, M.D.**

**Farah Wadia-Brink, M.D.**

**Amy Windover, Ph.D.**

## September Marks the Change in Medical Education Fellows



On September 1, our current Medical Education Fellow, **Richard Schlenk, M.D.**, Associate Staff in the Department of Neurosurgery, will conclude his year-long experience with the Division of Education. Dr. Schlenk's project was to develop an "Automated, Competency-Based Portfolio System" for the Neurosurgery Residency and Spine Fellows. His mentors were **Elaine Dannefer, Ph.D.**, and **Edwin Benzel, M.D.** Dr. Schlenk was asked to collaborate with the ACGME on their developmental "portfolios" project after word of his excellent project came to their attention. Dr. Schlenk has been an exceptional fellow, and we look forward to working with him in the future.

Two new Medical Education Fellows have been chosen from a pool of excellent applicants for 2007-08. **Kathleen Quinn, M.D.**, Staff in the Department of Psychiatry, and **Collin Kroen, M.D.**, Staff in the Department of General Internal Medicine (Hospitalist), will begin their year-long fellowship on September 1, 2007. Dr. Quinn's Project is titled, *The Memoir of Illness: Use of Biographical Accounts of Illness as a Medical Teaching Tool* and Dr. Kroen's project is titled *A Broad-Based Curriculum in the Core Competency of Systems-Based Practice*. We look forward to a rewarding year with these two excellent clinical teachers.



## Curricular Update

### New Research Ethics Course

Since research ethics is such a critical component of biomedical research, beginning in the fall of 2007, CCLCM will offer a two-semester elective program in research ethics.

To think beyond what is occurring now and to be able to anticipate the problems of the future require a strong grounding in the ethics of research. Students today learn more about methodology, trial design and statistical analysis than the ethics that underlie these subjects. The ethical implications of research are often given only cursory attention during the education and training of clinical investigators.

This new research ethics course is open to all medical students after the first semester of their first year but will be limited to 15 students. In the fall of each year Basic Research Ethics, ETHC 4007 will be offered; in the spring, Advanced Research Ethics, ETHC 4008. Each course is worth 3 credits and will appear on a student's transcript. When students have completed both courses, they will receive a Certificate in Advanced Research Ethics.

Classes will be conducted in an interactive seminar style. Though case-based, they will be designed to

help students, through an understanding of the underlying ethical justification, to interpret various regulations, such as the federal code of regulations, which govern human subjects research. Classes will be lead by bioethics faculty with expertise in research ethics and by researchers with a special interest in the ethics of research. Some of the topics that will be covered are the difference between clinical care and research, therapeutic misconception, vulnerability and subject selection, placebos, conflicts of interest and third-party interests. A monthly journal club will be held with the Cleveland Fellowship in Advanced Bioethics' multi-disciplinary fellows.

This program is designed to enhance future researchers' ability to design research protocols, conduct research projects and evaluate research involving human subjects by giving them the tools to appreciate the ethical issues that underlie them and an appreciation of their ethical implications. It will be an asset for them in their future roles as researchers, journal reviewers or IRB members.

For more information please contact **Carmen Paradis, M.D.**, [paradic@ccf.org](mailto:paradic@ccf.org).

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## Update on the Core Clinical Curriculum

The new Case School of Medicine Clinical Curriculum includes two Basic Cores in which students focus on skills and knowledge basic to the 7 core disciplines in the curriculum (Medicine, Surgery, Family Medicine, Obstetrics and Gynecology, Pediatrics, Neurology and Psychiatry) and then build on these skills in the Advanced Core.

The 2 Basic Cores and the Advanced Core comprise all the content and learning objectives included in the required clerkships offered in the previous curriculum. CCLCM students can take these rotations at any Case-affiliated medical center; however, most are choosing to take their rotations at Cleveland Clinic. The two Basic Cores have been implemented at Cleveland Clinic since last summer; the Advanced Core was first offered at Cleveland Clinic in early 2007.

The Advanced Core consists of four 4-week components: Chronic Disease Management;

Perioperative Medicine and Pain; Emergency and Undifferentiated Patient Care; and the Aging Adult. **Amir Jaffer, M.D.**, serves as the overall Director of the Cleveland Clinic Advanced Core. He works closely with **Karen James, M.D.**, (Chronic Disease), **Sam Irefin, M.D.**, (Perioperative Medicine and Pain), **Rakesh Engineer, M.D.**, (Emergency and Undifferentiated Patient), and **Ted Suh, M.D., Ph.D.**, (Aging Adult) to plan, implement and evaluate these new offerings as well as plan and conduct faculty development. This group has provided leadership in coordinating the development of the Advanced Core rotations offered at all the Cleveland sites.

The Advanced Core rotations offered at Cleveland Clinic have been very well received by CCLCM and University students because of this dedicated leadership and the tremendous teaching support by faculty throughout Cleveland Clinic.

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## Longitudinal Clinics Allow CCLCM Students Early Patient Contact

One of the guiding principles for the curriculum at the CCLCM is early contact with patients. Under the direction of **Mark Mayer, M.D.**, the Longitudinal Clinic experience has proven to be a great success in achieving this goal.

Beginning in October of their first year, students are paired with a primary care physician on the main campus or in one of our regional medical practice sites. Students attend clinic every other week during the first year and weekly in the second year. The

longitudinal experience allows students to develop interviewing, history and physical examination skills in collaboration with an experienced physician. Students see an average of 120 patients in Longitudinal Clinic over their first 2 years and are well prepared for the start of core clinical rotations in the 3rd year.

Success of the Longitudinal Clinic is evidenced in the consistently very high ratings by both students and faculty preceptors.

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## Upcoming Events—Mark Your Calendars



August 19, 2007

Annual “Welcome to Cleveland” Goodtime Cruise

Cleveland Clinic Lerner College of Medicine  
9500 Euclid Avenue/NA24  
Cleveland, OH 44195  
(Phone) 216.445.7435 or 800.745.7438  
(Fax) 216.445.7442  
Email: [cclcm@ccf.org](mailto:cclcm@ccf.org)  
<http://www.clevelandclinic.org/cclcm>



# Faculty Presentations and Publications

Bierer, B, Dannefer, EF, Taylor, C, and Hull, AL. Integration and Application of Basic Science Medicine Knowledge. Poster presented at IAMSE meeting, Cleveland, Ohio, July 21-24, 2007.

Blixen, CE, Papp, KK, Hull, AL, Rudick, RA, and Bramstedt, KA. Developing a Mentorship Program for Clinical Researchers. *Journal of Continuing Education in the Health Professions*, 2007; 27 (2): 86-93.

Cymbor, S. Problem-Based Learning Case Quality Improvement. Poster presented at IAMSE meeting, Cleveland, Ohio, July 21-24, 2007.

Cymbor, S and Mehta, N. Teaching Basic Science with Interactive Images during PBL. Poster presented at IAMSE meeting, Cleveland, Ohio, July 21-24, 2007.

Dannefer, EF. Demonstration of CCLCM's Portfolio. Invitational Portfolio Colloquium. Association of American Medical Colleges, Washington DC, May 30-31, 2007.

Dannefer, EF. Portfolio Approach to Competency-Based Assessment System. Presentation: MERE (Medical Education Resources Exchange) Session, Central Group on Educational Affairs, Indianapolis, Indiana, March 23, 2007.

Dannefer, EF and Henson LC. The Portfolio Approach to Competency-Based Assessment at the Cleveland Clinic Lerner College of Medicine, *Acad Med.* May 2007; 82:493-502.

Dannefer, EF and Mehta, N. Educational Technology Panel Discussion. Case Study: Cleveland Clinic Lerner College of Medicine of Case Western Reserve University E-Portfolio. Presentation: Society for Directors of Research in Medical Education, Park City, Utah, July 8-11, 2007.

Dannefer, EF, O'Sullivan, P, and Richards, B. Reflective Practice in Our Practice. Workshop: Society for Directors of Research in Medical Education, Park City, Utah, July 8-11, 2007.

Doyle, DJ. Development of a Web Curriculum Portal for Instructing Medical Students in Acid-Base Disorders. Poster presented at IAMSE meeting, Cleveland, Ohio, July 21-24, 2007.

Drake, RL. A Unique, Innovative, and Clinically Oriented Approach to Anatomy Education. *Acad. Med.* 2007; 82: 475-478.

Isaacson, JH, McKenzie M, Salas R, and Koch C. The Examined Life: Writing and the Art of Medicine. Presentation at University of Iowa, April 24, 2007.

Kapoor, R, Mehta, N, Bierer, SB, Atreja, A, and Jain, A. Use of Handheld Computers by Medical Students during Their Clerkship. Poster, American Medical Informatics Association, Orlando, Florida, May 22, 2007.

Kirsh, S, Strauss, G, James, K, and Jaffer, AK. Medical Student Chronic Illness Care Curriculum: Linking Quality Care and Quality Training. Poster presented at IAMSE meeting, Cleveland, Ohio, July 21-24, 2007.

McBride, JM. Implementation of Interactive Seminars in Medical School Neuroanatomy. Poster presentation for the American Association of Clinical Anatomists meeting, Henderson, Nevada, June 17-20, 2007.

McBride, JM and Drake, RL. Developing Interactive Microanatomy Sessions in a Systems Based Curriculum. Platform presentation/talk for the American Association of Anatomists at the Experimental Biology Meeting, Washington DC, April 30, 2007.

McBride, JM and Tarabishy, B. Development of Histology Teaching Modules. Poster presented at IAMSE meeting, Cleveland, Ohio, July 21-24, 2007.

Walsh, RM, Cobb, K, and Preztak, S. Point/Counterpoint: Student Directed Clinical and Research Debate. Poster presented at IAMSE meeting, Cleveland, Ohio, July 21-24, 2007.

Walsh, RM, Mehta, N, and Preztak, S. Use of Electronic Clinical Assessment System to Enhance Evidence-Based Medicine in Surgical Curriculum. Poster presented at IAMSE meeting, Cleveland, Ohio, July 21-24, 2007.

Walsh, RM and Preztak, S. Combined Continuity of Care and Diverse Subspecialty Exposure in a Core Surgery Rotation. Poster presented at IAMSE meeting, Cleveland, Ohio, July 21-24, 2007.