

Office of Medical Education

Annual Report **2010 – 2011 Academic Year**

Creighton
UNIVERSITY
School of Medicine

Mission

The Office of Medical Education facilitates medical student education by providing educational support and services to faculty and students and by managing and coordinating the curriculum. Our values include commitment to excellence in medical student education, dedication to helping faculty, staff and students, professionalism in meeting our responsibilities and personal growth and professional development of our faculty and staff.

Areas of responsibility for the Office of Medical Education include management of the medical curriculum, student testing, student learning materials, curriculum and program evaluation, academic computing, faculty development for teaching, assessment of clinical skills, medical education research, LCME compliance, strategic planning for education, support for medical education committees, preparation and maintenance of educational data and reports and management of medical educational space in the Criss buildings.

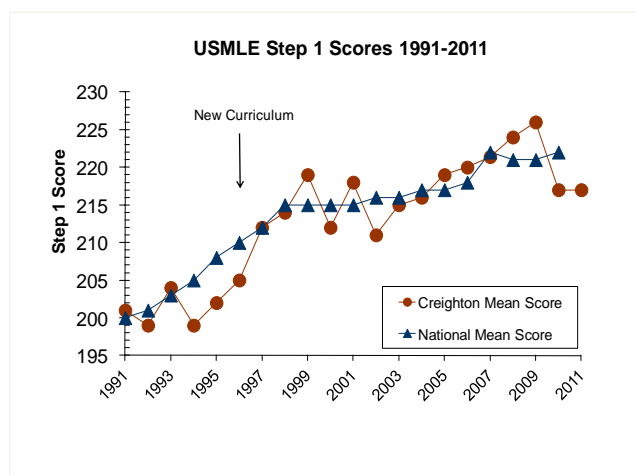
OME Personnel 2010-11		The Educational Policy Committee 2010-11	
Associate Dean for Medical Education	Thomas J. Hansen, M.D.	Associate Dean for Medical Education	Thomas J. Hansen, M.D. (Chair)
Assistant Dean for Medical Education & Director of Medical Education and Assessment	Kathryn N. Huggett, Ph.D.	Dean for the School of Medicine	Rowen Zetterman, M.D.
M1 Component Director	Floyd Knoop, Ph.D.	Associate Dean for the Regional Medical Campus	James Balducci, M.D.
M2 Component Director	Thomas Pisarri, Ph.D.	Associate Dean for Student Affairs	Michael Kavan, Ph.D.
M3 Component Director	Eugene Barone, M.D.	Assistant Vice President for Health Sciences Director, HSL/LRC	James Bothmer, M.A.L.S.
M4 Component Director	Terence Zach, M.D.	Assistant Dean for Medical Education & Director of Medical Education Development and Assessment	Kathryn N. Huggett, Ph.D.
Director of Medical Simulation Education, Clinical Assessment Center	Eric Peters, M.D.	Basic Science Faculty	Thomas Murray, Ph.D. Department of Pharmacology
Education Director, Clinical Assessment Center	Jan Stawniak, BSN	Clinical Faculty	Armour Forse, M.D. Department of Surgery
Senior Evaluation Manager	Amanda Lofgreen, M.S.	Clinical Faculty	Hal Kaftan, M.D. Department of Pediatrics
M1 Curriculum Coordinator	Sarah Taylor, M.A.	Basic Science Faculty	Kristin Drescher, Ph.D. Department of Medical Microbiology & Immunology
M2 Curriculum Coordinator	Jackie Foster	Basic Science Faculty	Diane Cullen, Ph.D. Department of Biomedical Sciences
Senior Instructional Designer	Alice Smith, M.S.	Clinical Faculty	Tammy Wichman, M.D. Department of Medicine
Senior Client Support Analyst	Bill Robinson, M.B.A., M.S.	M1 Component Director	Floyd Knoop, Ph.D.
System Administrator II	Steve Maaske	M2 Component Director	Thomas Pisarri, Ph.D.
Administrative Assistant	Patricia Blue	M3 Component Director	Eugene Barone, M.D.
Web Content Specialist	Judith Gunter	M4 Component Director	Terence Zach, M.D.
Administrative Assistant	Vicki Wolter	M1 Student Representative	Kelly Ryder
Program Manager – Regional Medical Campus & OME Office Manager	Monica Martin	M2 Student Representative	Rebecca Ranck
		M3 Student Representative	Scott Schubert
		M4 Student Representative	James Walter

CUSOM Regional Medical Campus at SJHMC Phoenix, AZ	
Associate Dean for the Regional Medical Campus	James Balducci, M.D.
Program Coordinator	Deb Martell

Academic Performance by Creighton Medical Students

Academic progress: Over 97% of our students passed their courses in each of the four years of the curriculum and advanced to the next academic year. There were 118 graduates in May 2011; 2 students will graduate December, 2011.

USMLE Step 1 Interim Report: Basic science knowledge is assessed annually for our M2 students on Step 1 of the United States Medical Licensure Examination (USMLE). In 2011, 123 students took Step 1 for the first time; our mean score was 217. Our pass rate on the first attempt was 88% (15 failures). All 13 students who had not passed Step 1 on the first attempt in 2010 passed on the second (8 students) or third (5 students) attempt. In 2010, the national mean score was 222 and the pass rate on the first attempt was 91%. Analysis of curricular performance continues to indicate a strong concordance between numerical course averages in the M2 year and USMLE Step1 scores.



USMLE Step 2 CK Interim Report: Clinical Science knowledge is assessed annually for our M4 students on the USMLE Step 2CK. For the class of 2011, Creighton students taking the test for the first time achieved a mean score of 239 with a pass rate of 97%. The national mean score was 233 with a pass rate of 97%.

USMLE Step 2 CS Interim Report: Clinical Skills competency is assessed nationally by the USMLE Step 2CS exam. This exam is graded on a pass/fail basis. Among 119 first-time takers reported for the class of 2011, our pass rate was 100%. The national pass rate was 98% for this cohort.

Clinical skills: Students are also required to demonstrate acquisition of clinical skills by passing the Junior Clinical Competency Exam (JCX) at the end of the M3 year. All students passed this examination, demonstrating for our faculty the acquisition of those clinical skills required by our educational program. 100% of students in the class of 2011 passed USMLE Step 2CS on their first attempt. As the JCX is modeled after Step 2 CS we feel our students are positioned to pass CS on their first attempt.

Student satisfaction with our curriculum: Satisfaction with our educational program remains high among our graduating students. On the annual AAMC Medical School Graduation Questionnaire over 94% of the graduates of 2011 who responded (N=115) agreed or agreed strongly with the statement "Overall I am satisfied with the quality of my Medical Education." This compares favorably with the national average of 88%.

In our annual survey of graduates (surveyed 8 months post graduation), 98% of respondents (N=45) answered yes to the question "Were you pleased with the overall education you received at CUSOM?"

Additional Data from the 2011 AAMC Medical School Graduation Questionnaire		
Area of concern regarding the Associate Dean for Medical Education / administration of the Office of Medical Education	% Very Satisfied or Satisfied at Creighton	% Very Satisfied or Satisfied Nationally
Accessibility to administration	87.8	74.3
Awareness of student concerns by administration	87.7	71.5
Responsiveness of administration to student problems	88.3	68.7
Participation of students on key committees	91.2	73.6

Program Director satisfaction with Creighton graduates: In a 2011 survey of residency directors from programs that placed our 2010 graduates as first-year residents, 98% (N=80) stated that they would select the Creighton graduate as their resident again.

OME Initiatives

ISTEP: Continued participation in the AMA-sponsored Innovative Strategies for Transforming the Education of Physicians (ISTEP) medical education research collaborative. Notably, the ISTEP schools, including Creighton University School of Medicine, initiated a landmark study of the learning environment in undergraduate medical education.

National Institute on Drug Abuse (NIDA) Center of Excellence for Physician Information: The Office of Medical Education provides an administrative home and technical support for this Center of Excellence (CoE), which has entered its fourth year. The Director of the CoE is Eugene Barone, MD of the Department of Family Medicine, and Kathryn Huggett, PhD from the Office of Medical Education, and Gary Westerman, DDS, School of Dentistry, serve as co-investigators. The Centers of Excellence for Physician Information “are charged with the task of developing innovative drug abuse and addiction curriculum resources with the goal of helping to fill the gaps in current medical students/resident physician curricula.” Funding was secured for a fourth year and development of products related to the education of medical students nationwide is underway. Creighton University is one of only 4 such Centers of Excellence designated by NIDA. For more information see: <http://www.drugabuse.gov/nidamed/centers-excellence/coe-overview>

Management/Technology Innovations

Interactive Distance Learning Lectures: As we have expanded our curriculum offerings at St. Joseph’s Hospital in Phoenix, we have explored several technologies to provide an interactive lecture format for sessions offered simultaneously at both locations. Complexities include not only the 1,000 mile separation, but changing time zones, network access by delivery systems, and training.

This year we expanded use of Polycom videoconferencing. This system has been used in other ways on the Creighton campus and we have tested it between Creighton and Phoenix for the Component III Committee meetings. Its use in these instances has demonstrated that it is robust enough to handle the needs between the two campuses. The University has purchased an additional unit for the Omaha campus (two units are already available in Omaha) as well as two units for the Phoenix campus. To date, we have been able to use the system to accommodate both student learning activities on the Phoenix

campus as well as meetings that require faculty and staff attendance from both sites. We will assess the need for more units as the number of students increases at the Phoenix site.

Interactive Study Supplements and Web Atlases: Medical students spent time during the summer to create supplemental, interactive study modules for each lecture in the M1 and M2 courses. These were then pulled into BlueLine and made available for the students. We received positive feedback from both the students and the Office of Academic Success. The modules are heavily used, added to and edited based on the feedback and work of the students. We have also used this tool to develop Web Atlases, supplemental study units that integrate pathology into each of the relevant courses and have made them available to the students through BlueLine as well.

Lecture Capture System: We now record each lecture using a system called Panopto. This captures the presentation of the faculty teaching, whether it is a lecture using PowerPoint or the chalk board. It also captures the audio of the faculty as they give the lecture. We then pull these files into BlueLine, making them available to the students for review whenever they need them. We also capture elected small group sessions which enables students to see themselves as they give presentations, and as they interact with standardized patients.

D-Space: We have loaded the curricular material into a system called D-space which allows us to archive the material, search the material in various ways and map the school's competencies to the curriculum components which specifically deal with these competencies. We are working on completing this process, at this point we have all M1 and M2 courses loaded, as well as the M3 Clerkships. We will be working with the M4 courses next.

Clinical Assessment Center

The Clinical Assessment Center (CAC) has advanced Creighton's educational mission in a variety of areas following several changes implemented in 2009-2010. The CAC reallocated space to accommodate additional learners. In an effort to simulate the environment that learners will encounter at the USMLE Step 2 Clinical Skills exam, the CAC installed additional testing computers outside the clinical exam rooms. The Junior Clinical Competency Exam (JCX) conducted at the completion of the M3 year has been expanded to seven cases involving six disciplines as well as a neurologic case. The student pass rate for this exam was 100 percent. This JCX included implementation of hybrid simulation and a high-fidelity simulator within a variety of cases. Additionally, Eric Peters, M.D., joined the CAC as Director of Medical Simulation. An expansion of simulation activities is underway with learners at various levels of training from multiple disciplines. Several small group sessions and workshops have been created to meet competency-based goals and objectives with an overall intent to enhance the learning process and increase learner satisfaction with their educational experience.

Curricular Innovations/Changes

LCME Self-study and Preparation for the LCME Survey Team Visit

Throughout the July 1, 2010 to June 30, 2011 period the entire Office of Medical Education staff participated in completing the Educational Program database and other tasks related to the self-study period. The LCME survey team visit is slated for October 2011.

CUSOM Phoenix Regional Campus at St. Joseph Hospital and Medical Center, Phoenix, AZ

Faculty Progress Report

The CUSOM faculty approved the Affiliate faculty status in January 2010; Affiliate Faculty are faculty paid by SJHMC, and Contributed Service Faculty are faculty not paid by SJHMC, but contribute to teaching mission. The four-page faculty appointment form has been revised to one page for Phoenix faculty in January 2011. The CUSOM Bylaws are currently under revision by the Committee on Governance and Administration and will be voted on at the May 2011 faculty meeting including appointments of faculty to CUSOM committees.

- Ad hoc committee developing guidelines for initial appointment and promotion of Phoenix faculty – October 2011 faculty meeting vote
- Current Creighton faculty at SJHMC = 80
 - Family Medicine = 9
 - Medicine = 14
 - OB/GYN = 12
 - Pathology = 1
 - Pediatrics = 23
 - Psychiatry = 4
 - Surgery = 15

Administrative Positions Hiring Update

- Associate Dean (0.50 FTE) May 2010 - Dr. Jamie Balducci
- Program Coordinator (1.0 FTE) Nov 2010 – Ms. Debra Martell
- Program Manager (0.50 FTE) Sep 2009 – Ms. Monica Martin
- Assistant Dean for Medical Education (0.50 FTE) July 2011
- Assistant Dean for Student Affairs (0.50 FTE) July 2011
- Curriculum Coordinators (2 FTEs) May 2011 & Jan 2012
- 6 - Clerkship Directors (0.2 FTE each) Jan 2012
- Clinical Assessment Coordinator (0.50 FTE) Jan 2012
- Academic Success Consultant (0.50 FTE) July 2012

Students

- Matriculated 152 students in Fall 2010
 - 110 stay in Omaha M3/M4 years
 - 42 to Phoenix for M3/M4 years
- For 2011, of 248 extended acceptance
 - 110 prefer Omaha
 - 123 prefer Phoenix
 - 15 no preference
 - June lottery for placement

Student Clerkships

- CUSOM/SJHMC student participation in M3 Clerkships:
 - 2007/08 – 51 M3 students participated in 61 clerkship blocks
 - 2008/09 – 58 M3 students participated in 83 clerkship blocks
 - 2009/10 – 60 M3 students participated in 82 clerkship blocks
 - 2010/11 – 72 M3 students participating in 122 clerkship blocks

- M3 Clerkships
 - Goal is to demonstrate comparability in our curriculum
 - We are working to achieve this through:
 - Common syllabus, goals and objectives, and lectures
 - Dimensions of Clinical Medicine
 - Medical Humanities Program

M4 Elective Courses

- 25 electives now available in Medicine, OB/GYN, Pediatrics, Psychiatry, and Surgery
- Continue to develop elective opportunities for M4 students so that full complement is in place for 2013
- CUSOM-Omaha offers 120 different electives that students may take (excluding those in Phoenix)
- Each M4 student takes an average of 7.65 internal and 1.46 extramural electives each year
- Therefore, 42 M4 students in Phoenix will take a minimum of **321** elective blocks at SJHMC during a given academic year
Anesthesiology, Biomedical Sciences, Emergency Medicine, Family Medicine, Health Policy and Ethics, Medicine, Microbiology, Neurology, Obstetrics/Gynecology, Psychiatry, Pediatrics, Physical Medicine and Rehabilitation, Preventive Medicine, Pathology, Radiology, Surgery (General, Neurosurgery, Ophthalmology, Orthopedics, Otolaryngology, Urology, etc.)
- Total students participating in SJHMC M4 electives
 - 14 M4 students participated in 24 elective blocks in 2009/2010
 - 15 M4 students participated in 23 elective blocks in 2010/2011

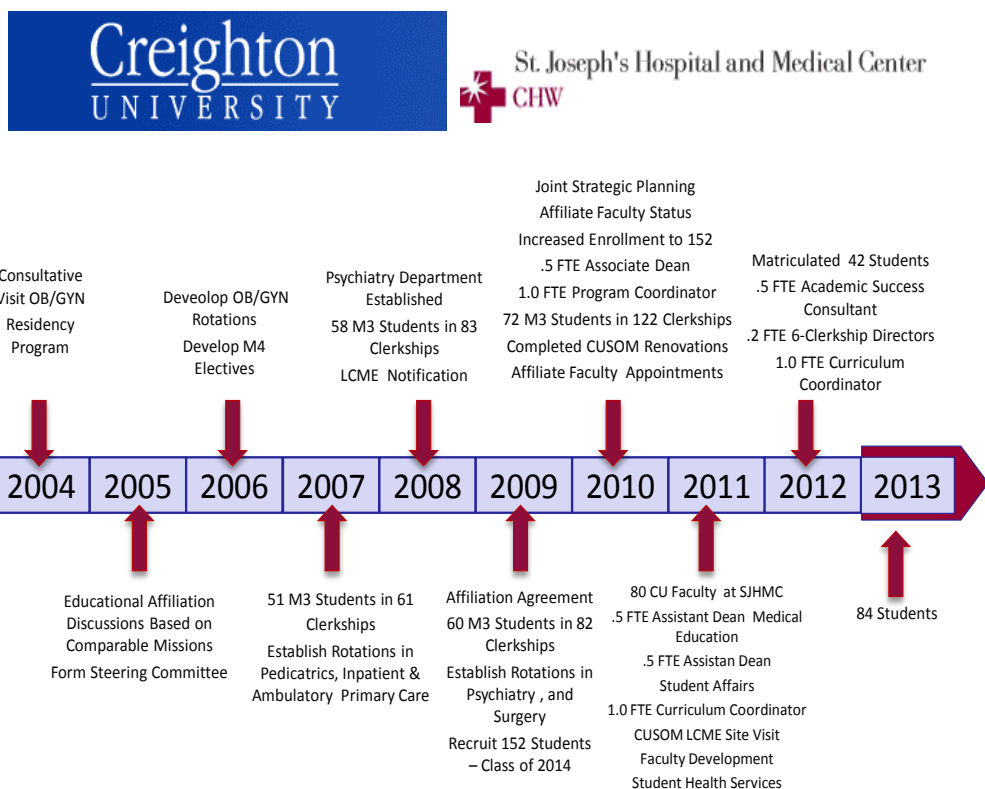
Technology/Library Update - SJHMC

- Polycom units purchased and installed for SJHMC to support joint meetings
 - Semi-monthly Medical Education Management Team meetings
 - Monthly Educational Policy Committee meetings
 - Monthly M3 Component Directors Meeting
 - CU DoIT developed the Affiliate Faculty Guest Access for library resource
- Library
 - Mr. Jim Bothmer, Associate Vice President for the Health Sciences and Director of the Health Sciences Library, is contacting all publishers of materials that would be needed by our medical students, residents, and faculty at SJHMC
 - To date a majority of publishers have indicated that there will be no fee increase
 - Review will be completed by summer
 - Mr. Bothmer continues to work closely with Molly Harrington at SJHMC

Facility Update

- Creighton University School of Medicine Omaha Campus renovations complete including medical education and student space.
- Phoenix Regional Campus Facility Progress Update
 - Clinical Assessment Center for simulation lab, OSCE space-designated area 2nd floor hospital, old pediatric area;
 1. Junior Clinical Competency Examination
 2. Simulated Patient Models and Standardized Patient Experiences
 3. Opportunities for interprofessional education and GME and CME

- Medical education space 222 Building: admin offices, student space, lounge, classrooms, & gym
- Computer lab in the learning resource area
- Plans for a new education building are underway
- Hospital student space



Educational Policy Committee Actions in 2010-11

New Elective Offerings

7 new electives offered by 4 different departments were added to the curriculum in 2010-11.

Department	Course #	# Weeks	Course Title	Location	Course Director
Family Medicine	FAP480	8	M1-COPC Public Health Endowed research Summer	Omaha	Eugene Barone, M.D.
Family Medicine	FAP481	4	M4-COPC Public Health Endowed research Summer	Omaha	Eugene Barone, M.D.
Obstetrics & Gynecology	OBG476	4	Sub-Internship: Clinical Obstetrics and Gynecology	SJHMC Phoenix	Claudia Chambers, M.D.

Obstetrics & Gynecology	OBG477	4	Sub-Internship: Gynecologic Oncology	SJHMC Phoenix	Ivor Benjamin, M.D.
Obstetrics & Gynecology	OBG478	4	Prenatal Diagnosis & Management of the High Risk Pregnancy	Omaha	Michael Barsoon, M.D.
Anesthesiology	ANE472	2	Anesthesiology ILAC Trip to the Dominican Republic	Dominican Republic	James Manion, M.D.
Medicine	MED489	4	Patient Safety and Quality Improvement	Omaha	Ann Polich, M.D.

New Course Directors in AY 2010-2011

Department	Course #	Course Title	Course Director
Pharmacology	IDC 105	Principles of Pharmacology	Janee Gelineau-vanWaes, Ph.D.

New Clerkship Directors in AY 2010-2011

Clerkship	Clerkship Director
Obstetrics and Gynecology Clerkship Director	Caron Gray, M.D.
Obstetrics and Gynecology Clerkship Director	Oormila Kovilam, M.D.

Additional EPC Action AY 2010-2011

1.	New EPC Member 3 Yr Term 2010-2013: Diane Cullen, Ph.D., Department of Biomedical Sciences
2.	New EPC Member 3 Yr Term 2010-2013: Tammy Wichman, M.D., Department of Medicine
3.	Master of Science in Clinical and Translational Science M.D., M.S. Program
4.	Start Date for AY 12-13 to Begin One Week Earlier
5.	Junior Clinical Competency Exam Revisions
6.	Duty Hour Policy
7.	Timely Return of Student Evaluation Policy

Curriculum Evaluation

Evaluation Committee

During the period July 2010 - May 2011, the Evaluation Committee evaluated the following courses:

- IDC 109: Host Defense
- IDC 140: Behavioral Medicine I
- IDC 138: Evidence Based Medicine
- IDC 183: The Healer's Art
- IDC 111: Neuroscience
- IDC 105: Principles of Pharmacology
- IDC 233: Infectious Disease
- IDC 135: Ethics and Legal Topics in Clinical Medicine

- IDC 207: Hematology/Oncology
- IDC 101: Molecular and Cell Biology
- IDC 136: Interviewing and Physical Exam
- IDC 201: Cardiovascular System
- IDC 203: Respiratory System
- IDC 205: Renal System

Conducted curriculum-related surveys to provide data for:

- Weekly Feedback in IDC 183: The Healer's Art
- Evaluation Survey of the Teaching Practicum in Medical Anatomy (BMS 462) Spring 2010

OME-Facilitated Scholarly Activity 2010-2011

Active Grants

Barone, E., Huggett, K. (Co-Investigator), Westerman, G. NIDA Center of Excellence (COE) for Physician Information. This subcontract supports the development of curricular products for substance abuse education. (Role: Co-Investigator for the Creighton University Center of Excellence for Physician Information). Sub-contract period 1: April 2, 2010 – September 17, 2010, \$5,564.00; Sub-contract period 2: September 18, 2010 – September 17, 2011. Period 3 begins September 18, 2011.

Huggett, K. (Site PI). (PI: Judith K. Ockene, Ph.D., University of Massachusetts). "A Randomized Trial to Improve Tobacco Cessation Skills among Medical Students." 2009-2013. National Cancer Institute. Funding for Year 1: \$27,485.00; Funding for Year 2: \$20,756.00. Funding for Year 3: \$22,940.00.

Packard, K., Doll, J., Furze, J., Gould, K., Huggett, K. (Co-Investigator), Jensen, G., Jorgensen, D., Maio, A., Wilken, M., Jasson, J., Chapman, T. Interprofessional Case Studies: The Interprofessional Team Reasoning Algorithm. National Association of Boards of Pharmacy and American Association of Colleges of Pharmacy District Five Individual Study Grant. 2010. \$3000.00.

Huggett, K., Shirley, N. (Co-Principal Investigators). "Understanding Faculty Expectations for Work-life Balance: An Exploratory Study to Improve Faculty Recruitment and Retention in the Health Sciences." Health Futures Foundation Faculty Development Grant. 2009-2011. \$8142.

Publications

Huggett, K.N., Barone, E. Lofgreen, A.S. Investigation of Students' Attitudes about Patients with Substance Use Disorders before and after Completing an Online Curricular Module. *Annals of Behavioral Science and Medical Education*. 2011; 17(1):10-13.

Huggett, K., Gusic, M., Greenberg, R., and Ketterer, J.K. Twelve Tips: Strategies for successful collaboration. *Medical Teacher*. 2011; 33(9):713-718.

Huggett, K.N., Westerman, G., Barone, E. Lofgreen, A.S. A Survey to Identify Substance Use and Dependence Education in Pre-Doctoral Dental Curricula. *Journal of Dental Education*. 2011; 75(8):1003-1009.

Hansen, TJ, Huggett, KN. Creighton University School of Medicine. *Academic Medicine*. 2010; 85(9):S328-S331.

Knoop, F. C., Biel, A., and Larson, K. A. Abraham Flexner: The Value of Medical Microbiology and Immunology as Foundation Sciences in Medical Education. *Journal of the International Association of Medical Science Educators*, Special Issue marking the centennial anniversary of the Flexner Report. 2010; 20(3):284-287.

Knoop, F.C., Biel, A., and Larson, K. A. Abraham Flexner: The Value of Medical Microbiology and Immunology as Foundation Sciences. *Journal of the International Association of Medical Science Educators*. 2010; 20(2):110-113.

Knoop, F. C. Editorial. Preparing Healthcare Faculty for The Millennial Generation. *Journal of the International Association of Medical Science Educators*, November 26, 2010.

Huggett, K.N., Borges, N.J., Jeffries, W.B., Lofgreen, A.S. Audition Electives: Do Audition Electives Improve Competitiveness in the National Residency Matching Program? *Annals of Behavioral Science and Medical Education*. 2010; 16(2):32-39.

Warrier, R., Monaghan, M.S., Maio, A., Huggett, K., and Rich, E. Effect of Drug Sample Availability on Physician Prescribing Behavior: A Systematic Review. *Clinical Reviews and Opinions*. 2010; 2(4):41-48.

Huggett, K., Barone, E., Lofgreen, A., and Jeffries, W. The Development of an Interclerkship Curriculum on Methamphetamine Abuse and Dependence. *Journal of the International Association of Medical Science Educators*. 2010; 20(1):4.

Manuscripts in Progress

Huggett, K.N. and Jeffries, W.B. Survey of Medical School Post-Graduate Evaluation Methods (manuscript in progress).

Huggett, K.N., Greenberg, R., Rao, D., Richards, B., Chauvin, S.W., Fulton T.R., Kalishman, S., Littlefield, J., Perkowski, L., Robins, L., Simpson, D. The design and utility of institutional teaching awards: a literature review. (manuscript in progress).

Local Presentations, Abstracts and Posters

Knoop, F. Update on the M1 Curriculum, Creighton University Medical Center, Department of Medicine, Undergraduate Medical Education Committee, Fall 2011.

Huggett, K., Knoop, F., and Pisarri, T. Course Directors' Meeting, Components I and II, May 26, 2010.

Regional Presentations, Abstracts and Posters

Huggett, K., Jacobs, G, Lypson, M. Panel Discussion: Crossing the Continuum of Medical Education – Common Accreditation Issues. Central Group on Educational Affairs (CGEA) Annual Meeting, Omaha, NE; March 19, 2011.

Knoop, F., Booth, J., Pissarri, T. Small Group Discussion: Innovative Strategies in Medical Education. Central Group on Educational Affairs (CGEA) Annual Meeting, Omaha, NE; March 19, 2011.

Huggett, K., Miers, L., Coppard, B. The SITE Program Turns Five: The Impact of a Program to Promote Teaching and Scholarship. Poster. Central Group on Educational Affairs (CGEA) Annual Meeting, Omaha, NE; March 18, 2011.

Huggett, K., Hansen, T., Polich, A., Maio, A., Galt, K., Costanzo, C., Fuji, K., Abbott, A., Hercinger, M. Today You Made a Difference: An Innovative Interprofessional Patient Safety Day. Poster. Central Group on Educational Affairs (CGEA) Annual Meeting, Omaha, NE; March 18, 2011.

Houghton, B., Bothmer, J., Huggett, K. Survey of Medical Student and Resident Technology Use. Poster. Central Group on Educational Affairs (CGEA) Annual Meeting, Omaha, NE; March 18, 2011.

Hansen, T., Houghton, B., Huggett, K., Lofgreen, A. Introducing the ACGME Competencies into an Interclerkship Course. Poster. Central Group on Educational Affairs (CGEA) Annual Meeting, Omaha, NE; March 18, 2011.

National Presentations, Abstracts and Posters

Huggett, K.N. Invited Presentation. GEA Medical Education Research Certificate (MERC) program session: Program Evaluation and Evaluation Research presented at the University of Minnesota Medical School, Minneapolis, MN; May 20, 2011.

Westerman, G., Barone, E., Lofgreen, A., Huggett, K. A Survey to Identify Substance Use and Dependence Education in Pre-Doctoral Dental Curricula. Poster presentation at the American Dental Education Association (ADEA), San Diego, CA; March 12-16, 2011.

Skochelak, S., Hansen, T., Huggett, K. Measuring the Medical School Learning Environment: A Link to Professionalism? Annual Society of Teachers of Family Medicine (STFM) Conference on Medical Student Education, Houston, TX; January 22, 2011.

Borges, N., Huggett, K., Jeffries, W., Richard, G. Impact of the Educational Process on Students' Career Choice. GEA/GSA Small Group Discussion at the Annual Meeting of the AAMC, Washington, DC; November 9, 2010.

Woods, M., Huggett, K., Ownby, A., Perkowski, L. Vitality and Productivity: Sustaining your Medical Education Career. GEA/GSA Small Group Discussion at the Annual Meeting of the AAMC, Washington, DC; November 9, 2010.

Huggett, K.N. Invited Presentation. GEA Medical Education Research Certificate (MERC) program session: Program Evaluation and Evaluation Research presented at the MedStar Health 2010 Teaching Scholars Program, Baltimore, MD; September 23, 2010.

Knoop, F. AMSMIC as a Resource for the Microbiology and Immunology Education Community. 13th Educational Strategies Workshop, Myrtle Beach, SC, April 28, 2010.

Streips, U. and Knoop, F. Abraham Flexner: Perspectives on Medical Education. 13th Educational Strategies Workshop, Myrtle Beach, SC, April 27, 2010.

Knoop, F. Core Knowledge Objectives in Medical Microbiology & Immunology, 13th Educational Strategies Workshop, Myrtle Beach, SC, April 25, 2010.

International Associations - Presentations, Abstracts and Posters

Huggett, K., Pasquale, S., Knoop, F., McBeth, D., de Jong, P. Educational Scholarship 101: Taking your Teaching to Publication. Presentation and Workshop at the Annual Meeting of the International Association of Medical Science Educators, St. Petersburg, FL, June 18, 2011.

Huggett, K., Borges, N., and Jeffries, W. Medical Student, Residency Program Director and Career Advisor Beliefs about the Significance of Audition Electives. The Association for Medical Education in Europe Annual Conference, Glasgow, UK, September 7, 2010.

Pasquale, S., Huggett, K. Using a Teaching Scholarship Plan (TSP) and Other Key Strategies to Move your Teaching to Publication. The Association for Medical Education in Europe Annual Conference, Glasgow, UK, September 7, 2010.

Huggett, K., Pasquale, S. J., Knoop, F. C., and McBeth, D. Educational Scholarship 101: Taking Your Teaching to Publication. Faculty Development Course, Pre-Meeting Workshop, 14th Annual Meeting, International Association of Medical Science Educators, New Orleans, LA, July 10, 2010.

Other Scholarly Activity

Consultation/Educational Research Collaboration

Department of Family Medicine:

- Dental School Curriculum Survey Results (Drs. Barone, Huggett and Westerman)
- Obesity Education Manuscript (Dr. Khandalavala)

Department of Medicine:

- Patient Hand-off Survey (Dr. Maio)
- Technology Survey of Residents and Medical Students (Drs. Houghton, Huggett and J. Bothmer)
- iPad Curriculum Development Consultation (Dr. Morrow)

Schools of Pharmacy and Health Professions and Nursing:

- Development of Interprofessional Case Studies and research protocol (Packard, K., Doll, J., Furze, J., Gould, K., Huggett, K., Jensen, G., Jorgensen, D., Maio, A., Wilken, M., Jasson, J., Chapman, T.)
- Development and Evaluation of Patient Safety Day curriculum (Hansen, T., Huggett, K., Polich, A., Maio, A., Galt, K., Costanzo, C., Fuji, K., Abbott, A., Hercinger, M.)

Research Peer Review Activity

	Faculty Member	Organization
Grant Reviewers	Dr. Huggett	NBME Edward J. Stemmler, MD Medical Education Research Fund
Journal Reviewers	Dr. Huggett	Advances in Health Sciences Education
		Medical Education Online
		Medical Science Educator (formerly the Journal of IAMSE)
		Journal of Dental Education
		Journal of General Internal Medicine
		The Journal of the International Association for Medical Science Educators
	Dr. Knoop	The Journal of the International Association for Medical Science Educators
		uScience Inaugural Collection
		Education in Medicine Journal
		Canadian Medical Education Journal
Other Peer Review Activity	Dr. Huggett	Final scholarly presentations, MedStar Health 2010 Teaching Scholars Program, Baltimore, MD
		Reviewer for AAMC GEA session proposals
	Dr. Knoop	MedEd PORTAL
		Antimicrobial Agents and Chemotherapy
		Clinical and Vaccine Immunology
		Comparative Biochemistry and Physiology
		Applied and Environmental Microbiology
		Journal of Clinical Microbiology
		Journal of Toxicology
		Chemotherapy
		Infection and Immunity
		Toxins
		Proposal Review Committee, Center for Security Science, CBRNE-CRTI, Defense Research and Development Canada, Government of Canada, Ottawa, Ontario, Canada, November, 2010.

Service to the Medical School and University

OME Staff	Service
Huggett	CME Program Review Committee
	Creighton University Assessment Committee
	Creighton University Ed.D. Degree Proposal Working Group
	Master of Science in Health Care Ethics Graduate Program Curriculum Committee
	Ed.D. in Leadership Admissions Committee
	Creighton Office of Online Learning (COOL) Advisory Board
	Carnegie Life of the Mind Faculty Seminar, Facilitator

	Interviewer for Creighton University School of Medicine Admissions
Knoop	Institutional Biosafety Committee
Martin	Public Honors and Events Committee
Smith	Learning Management System (LMS) Search Group

Faculty Development

Course Directors' Meeting – Components I and II

May 24, 2010

The purpose of the meeting is to welcome new course directors, discuss common course management issues, review faculty development resources, and plan for the next academic year. (Hansen, Huggett, Knoop, Pisarri)

Summer Initiative for Teaching Excellence in the Health Sciences (SITE)

June 6-7, 2010 (8 participants)

SITE is a two-day, intensive workshop to improve teaching, assessment, and educational scholarship.

Faculty Development Conferences

Date	Title	Presenter/s
December 3, 2010	Writing Competency-Based Course and Clerkship Directors	Thomas Hansen, MD
January 21, 2011	Clinical and Translational Research in the Medical Student Curriculum	Devendra K. Agrawal, MSc, PhD, MBA
February 24, 2011	An Introduction to Service Learning: What Role Can Faculty Play?	Joy Doll, OTD, OTR/L; and Katie Huggett, PhD
March 25, 2011	The Creighton Medical Humanities Curriculum-An Overview	Thomas Hansen, MD
May 26, 2011	Department of Medicine Test Item Writing Session	Katie Huggett, PhD; and Thomas Pisarri, PhD
June 2, 2011	Exam Item Writing Workshop	Katie Huggett, PhD; and Thomas Pisarri, PhD

Fall 2010 IAMSE Web Seminar Series

Date	Title
September 23, 2010	TBL 101: Where to begin? Intro to Team Based learning
September 30, 2010	Voices of Experience-Adopting TBL into your Course
October 2, 2010	The 12 Tips for Creating a Good TBL Course
October 7, 2010	Peer Evaluation- The Keys for Success
October 14, 2010	Writing TBL Questions
October 28, 2010	Research in Team Based Learning

Spring 2011 IAMSE Web Seminar Series

Date	Title
January 18, 2011	Integration of Basic and Clinical Sciences Across the Curriculum in a Community-Based Distributed Campus - Florida State University College of Medicine
January 25, 2011	Curriculum Integration and Student-Centered Learning at Oakland University William Beaumont School of Medicine
February 1, 2011	Educating Physician Thought Leaders at the Virginia Tech Carilion School of Medicine
February 8, 2011	Promoting Learning over Teaching at Hofstra North Shore-LIJ School of Medicine
February 15, 2011	An International Affiliation West Virginia School of Medicine and Oman Medical College
February 22, 2011	Medical Education in Brazil
March 8, 2011	Lecture Capturing and other Streaming Video Applications
March 15, 2011	Engaging Students with Classroom Technologies
March 22, 2011	Use of Simulations and Simulators in Medical Training
March 29, 2011	Integration of E-lessons into Face to Face Activities
April 5, 2011	Opportunities and Challenges of Social Media in Medical Education

Awards and Distinctions

Floyd C. Knoop, Ph.D. Program Chair, 13th Educational Strategies Workshop, Association of Medical School Microbiology and Immunology Chairs, Myrtle Beach, SC, April 24-28, 2010.

Associate Editor, *Medical Science Educator*, Journal of the International Association of Medical Science Educators; Board of Directors, International Association of Medical Science Educators, 2010.