

**Friday Seminar Series
October 1 – December 3, 2010
Des Moines University, Des Moines, IA**

Purpose

Identify the most current health science and medical research concepts that enhance the knowledge, competence, and performance of healthcare professionals. Attendees will be educated on the most up-to-date current treatment and emerging diagnostics and therapies for multiple disease states including, but not limited to, cardiovascular health, diabetes, and oncology therefore improving patient outcomes. The series will focus on research concepts, and techniques promoting research activities of high value and state-of-the-art clinical care.

Target Audience

Des Moines University students, staff & faculty, Des Moines area primary care physician(s), physician assistants, nurses, and all other interested healthcare professionals.

October 1, 2010	
Topic:	Influenza A Virus, Identifying Host Specific Genetics
Presenter:	Marc Busch, Ph.D. <i>Assistant Professor of Biology, Drake University</i>
Biography:	B.S., Biology, University of California – Irvine, 1997 Ph.D., Microbiology, University of California – Davis, 2004 Post-doctoral fellow, University of Wisconsin Madison, 2009
Objectives:	<ul style="list-style-type: none"> • Identify the most current health science and medical research concepts that enhance the knowledge, competence, and performance of healthcare professionals. • Review the most up-to-date current treatment and emerging diagnostics and therapies for multiple disease states. • Collaborate with other medical and educational institutions in the Des Moines area.
CME Credit:	AOA: Des Moines University Continuing Education and the AOA Council on Continuing Medical Education approve this program for a maximum of 1.0 hour of AOA Category 2-A CME credits. Other: Attendees will be given a certificate of participation for 1.0 hours which will include: program content, objectives, presenters, location, date, time and number of education hours offered.

October 8, 2010	
Topic:	Too Much Content, Not Enough Thinking and Too Little Fun
Presenter:	Stephen E. DiCarlo, Ph.D. <i>Professor of Physiology, Wayne State University</i>


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Biography:	Stephen E. DiCarlo received his Ph.D. examining the effects of exercise training on the coronary circulation with Dr. H. Lowell Stone in the Department of Physiology at the University of Oklahoma Health Science Center. Subsequently, he completed a post-doctoral fellowship examining exercise and autonomic function with Dr. Vernon S. Bishop in the Department of Pharmacology at the University of Texas Health Science Center at San Antonio. Following the fellowship, he served on the faculty in the Department of Physiology at Northeastern Ohio Universities College of Medicine in Rootstown, Ohio and moved, in 1998, to the Department of Physiology at Wayne State University where he currently serves as Professor. His current NIH funded work focuses on mechanisms of cardiovascular control and arrhythmia suppression and he has an interest in how people learn.
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October 15, 2010	
Topic:	A Perspective in Human Movement Variability
Presenter:	Nick Stergiou, Ph.D. <i>Isaacson Professor, Director of the HPER Biomechanics Laboratory, University of Nebraska Omaha</i>
Biography:	Ph.D. -- University of Oregon -- Biomechanics M.S. -- University of Nebraska at Omaha -- Exercise Science B.S. -- Aristotle University of Thessalonik -- Physical Education
Objectives:	<ul style="list-style-type: none"> • Explain what human movement variability is and provide examples of study. • Determine the status of the current research in human movement variability.
CME Credit:	Attendees will be given a certificate of participation for 1.0 hours which will include: program content, objectives, presenters, location, date, time and number of education hours offered.


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October 22, 2010	
Topic:	Structural differences between a soluble version of the Cx43 carboxyl terminal domain and one attached to its fourth transmembrane domain
Presenter:	Paul L. Sorgen, Ph.D. <i>Associate Professor, Biochemistry and Molecular Biology, University of Nebraska Medica Center</i>
Biography:	Ph.D., University of Florida, 1999
Objectives:	<ul style="list-style-type: none"> • Explain the importance of gap junctions • Develop a protein purification protocol • Analyze NMR data
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October 29, 2010	
Topic:	Molecular Ecology of Bacterial Inculants in Silage Making
Presenter:	Azeem Ahmad, Ph.D. <i>Microbiologist, Pioneer</i>
Biography:	Ph.D., Harvard University, 2002
Objectives:	<ul style="list-style-type: none"> • Identify the most current health science and medical research concepts that enhance the knowledge, competence, and performance of healthcare professionals. • Review the most up-to-date current treatment and emerging diagnostics and therapies for multiple disease states. • Collaborate with other medical and educational institutions in the Des Moines area.
CME Credit:	CME credit was not awarded for this presentation due Dr. Ahmad's relationship with his employeer. Other: Attendees will be given a certificate of participation for 1.0 hours which will include: program content, objectives, presenters, location, date, time and number of education hours offered.

November 12, 2010	
Topic:	Understanding the Role of Membrane Fusion Protein Syntaxin 6 In Angiogenesis


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Presenter:	Amit Choudhury, Ph.D. <i>Assistant Professor, Anatomy & Cell Biology, University of Iowa</i>
Biography:	IMTECH, India, Cell Biology and Immunology, 1998 NDRI, India, Biochemistry, 1992 GMN College, India, Medical Sciences, 1987
Objectives:	<ul style="list-style-type: none"> • Summarize the signaling and trafficking pathways regulating angiogenesis. • Describe the role of vascular endothelial growth factor in angiogenesis. • Name current interventions to block excessive angiogenesis. • Describe the role of SNARE proteins in the regulation of intracellular cargo transport.
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December 3, 2010	
Topic:	US Navy Response in Humanitarian Assistance and Disaster Relief
Presenter:	Ben Gaumer, D.O. <i>Assistant Deputy Surgeon General for Total Force Integration, Associate Deputy Chief, Bureau of Medicine and Surgery, Human Resources, Medical Corps</i>
Biography:	<p>Rear Admiral Ben F. Gaumer attended Simpson College in Indianola, Iowa, from September 1972 to December 1975, receiving a Bachelor of Arts degree in Biology. He was commissioned an Ensign in June 1976 through the Health Professions Scholarship program while attending the University of Osteopathic Medicine and Health Sciences in Des Moines, Iowa. He was commissioned a lieutenant upon graduation in June 1979 after receiving his Doctor of Osteopathic Medicine degree. Gaumer reported to Naval Regional Medical Center, Camp Pendleton, Calif., for his internship. Upon completion in 1980, he reported to Branch Hospital, Twenty-nine Palms, Calif., for duty as a General Medical Officer.</p> <p>In July 1981, he was assigned as Battalion Surgeon, 4th Battalion, 11th Marines and served in this capacity until his release from active duty in July, 1983. He affiliated in the Naval Reserve in August, 1983 at the Naval and Marine Corps Reserve Center, Des Moines, Iowa with Reserve assignments including Naval Hospital 416, Portsmouth, Va.; Battalion Surgeon, 2nd Battalion, 24th Marines; Administrative Officer/Officer in Charge, Det D, NR Fleet Hospital 23, Minneapolis, Minn. While assigned to FH 23, he also served as Family Practice medical officer, and Head, Emergency Department. In November 1993, he became Director, Medical Services for NR Fleet Hospital 22, Olathe, Kan., and later assumed the same position for NR Fleet Hospital 9, Everett, Wash., in January 1996. In October 1996, he was assigned as Executive Officer, NR Fleet Hospital 22, Ft. Dix, N.J. In October 1997, Gaumer assumed command of NR Fleet Hospital Dallas, Texas.</p>

	<p>Following his command tour, he served as Director, Health Services for NR Readiness Command Mid-Atlantic from October 1999 until September 2002. His first flag assignment was as Deputy Fleet Surgeon, US Fleet Forces Command, Norfolk, Va., from October 2002 to September 2004. His subsequent flag assignments have included Assistant Deputy Chief, Bureau of Medicine and Surgery, Reserve Affairs and Deputy Chief, Bureau of Medicine and Surgery, Future Plans and Strategies. He is currently assigned as Assistant Deputy Surgeon General for Total Force Integration and Associate Deputy Chief, Bureau of Medicine and Surgery, Human Resources. His personal awards include the Meritorious Service Medal, Naval and Marine Corps Commendation Medal, Naval and Marine Corps Achievement Medal, National Defense Service Medal, Armed Forces Reserve Medal and various other unit and service awards.</p>
<p>Objectives:</p>	<ul style="list-style-type: none"> • Explain rationale behind US Navy participation in Humanitarian Assistance and Disaster Relief (HADR). • Consider the global nature of HADR missions and their impact on host nations.
<p>CME Credit:</p>	<p>AOA: Des Moines University Continuing Education and the AOA Council on Continuing Medical Education approve this program for a maximum of 1.0 hour of AOA Category 1-A CME credits. Other: Attendees will be given a certificate of participation for 1.0 hours which will include: program content, objectives, presenters, location, date, time and number of education hours offered.</p>

Commercial Support

Educational grants were not accepted for this educational series.

Registration

There was not a fee to attend this educational series.

Disclosure Statement

Everyone in a position to control the content of this educational activity will disclose to the CME provider and to attendees all relevant financial relationships with any commercial interest. They will also disclose if any pharmaceuticals or medical procedures and devices discussed are investigational or unapproved for use by the U.S. Food and Drug Administration (FDA). Determination of educational content for this program and the selection of speakers are responsibilities of the program director. Firms providing financial support did not have input in these areas.

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