

The Michael Bonfiglio Award for Student Research in Orthopaedic Surgery

The Iowa Orthopaedic Society Medical Student Research Award for Musculoskeletal Research

As has been the tradition, the University of Iowa Department of Orthopaedics and Rehabilitation, along with the Iowa Orthopaedic Society, sponsor two research awards involving medical students.

The first, the Michael Bonfiglio Award, originated in 1988 and was named in honor of Mike, who had an avid interest in students, teaching and research. The award is given annually at medical convocation. It consists of a plaque and a stipend. It is awarded to a senior medical student in the Carver College of Medicine who has done outstanding orthopaedic research during his or her tenure as a medical student. The student has an advisor in the Orthopaedic Department; however, the student must have played a major role in the design, implementation and analysis of the project. He or she must be able to defend the manuscript in a public forum. The research project may have been either a clinical or basic science project, and each study is judged on the basis of originality and scientific merit. The winner presents their work at the spring meeting of the Iowa Orthopaedic Society, as well as at a conference in the Department of Orthopaedics and Rehabilitation.

The second award is the Medical Student Research Award for Musculoskeletal Research. This award is for students in the Carver College of Medicine who complete a research project involving orthopaedic surgery during one of their first three years of medical school. The award consists of a \$2000 stipend, \$500 of which is designated as a direct award to the student, and \$1500 of which is designated to help defray continuing costs of the project and its publication. The student must provide an abstract and a progress report on the ongoing research. The aim of this award is to stimulate research in the field of orthopaedic surgery and musculoskeletal problems. This award is also presented at a medical convocation. In addition, the student presents their work at the spring meeting of the Iowa Orthopaedic Society and at a conference in the Department of Orthopaedics and Rehabilitation.

This year, the awards committee, consisting of a member of the Iowa Orthopaedic Society (Dr. Joseph Martin, President) as well as members of the Orthopaedics and Rehabilitation Department (Dr. Charles Clark, Dr. Joseph A. Buckwalter, Dr. Brian Wolf, Dr. Jose A. Morcuende, and Dr. John Femino), recommended that awards be given to the following students:

Dr. Andrea E. Buckwalter and Dr. Matthew Lovell were the co-recipients of the 2007 Michael Bonfiglio Student Research Award. Andrea's award was based on her project, "Results of Charnley Total Hip Arthroplasty With the Use of Improved Femoral Cementing Techniques at a Minimum of Twenty-Five Years." Her research advisor was Dr. John Callaghan, and co-authors of the study were Dr. Lori Dolan and Dr. Ignacio Ponseti.

The second Dr. Michael Bonfiglio Award winner was Dr. Matthew Lovell, whose award was based on his project "Natural History and the Effects of Foot Hyperabduction in Clubfoot Relapses." His research advisor was Jose Morcuende, M.D., Ph.D., and his co-investigators were Dr. Lori Dolan and Dr. Ignacio Ponseti.

This year's award winner of the Iowa Orthopaedic Society Medical Student Research Award is Anjan P. Kaushik, M3. Anjan's study is titled, "Mechanosensory Functions of the Chondrocyte Primary Cilium in Bardet-Biedl Syndrome and Conditional Polaris Knockout Mice." His advisor was Jose Morcuende, M.D., Ph.D., and his co-investigators are Dr. Martin Zhang and Dr. Val Sheffield.

The Michael Bonfiglio Award and the Iowa Orthopaedic Society Medical Student Research Award for Musculoskeletal Research are very prestigious, recognizing student research on the musculoskeletal system. These awards have indeed attained their goal of stimulating such research and have produced many fine projects over the years.

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