

The 2009 Michael Bonfiglio Award for Student Research in Orthopaedic Surgery

The 2009 Iowa Orthopaedic Society Medical Student Research Award for Musculoskeletal Research

As has been our 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 and 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 selection committee, consisting of the president of the Iowa Orthopaedic Society (Dr. Tim Gibbons), as well as members of the Orthopaedics and Rehabilitation Department (Dr. Charles R. Clark, Dr. Joseph A. Buckwalter, Dr. Morcuende, Dr. Femino, and Dr. Wolf) recommended that Krishna S. Iyer, M1, receive the 2009 Michael Bonfiglio Student Research Award. Krishna's award was based on his project, "Biomechanical Modeling to Predict Those at Risk of Developing Painful Knee Osteoarthritis". His advisors were Dr. Donald Anderson and Dr. Neil Segal, and his co-investigators were Thomas D. Brown, M.D., Jennifer Baker and James C. Torner.

The selection committee recommended that The Medical Student Research Award be given to William Shyy, M2, for his research titled, "Etiology of Congenital Idiopathic Clubfoot: A Candidate Gene and Genechip Mapping Dual Approach in the Search for a Causal Gene." His advisor was Jose. A. Morcuende, M.D., Ph.D.

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.

Charles R. Clark, M.D.
Michael Bonfiglio Professor of Orthopaedic Surgery