

# OCPM

## RESEARCH UPDATE

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### **COLLABORATIVE RESEARCH EFFORT RECEIVES FUNDING FROM THE INTERNATIONAL DIABETES FEDERATION**

A research project involving collaboration between the Ohio College of Podiatric Medicine, Case Western Reserve University (CWRU), the Cleveland Sight Center and the Diabetes Association of Greater Cleveland, has received funding from the International Diabetes Federation (IDF). The research study, entitled "Nonvisual Foot Inspection for People with Visual Impairment", was funded through the IDF Bringing Research In Diabetes to Global Environments and Systems (BRIDGES) program for \$65,000 over 2 years. The purpose of this pilot study is to find out whether a method of nonvisual foot inspection, using the senses of touch and smell, helps people with diabetes and visual impairment to find new foot problems when they are in early, easily-treated stages. All people in the study will have regular foot inspections by podiatrists. We will look at how people feel about the method, whether they actually do it, and whether the method helps them to discover foot problems themselves, instead of waiting to have problems discovered by the podiatrist. Ann Williams, Ph.D., from Case Western Reserve University is the Principal Investigator for this study, while Dr. Caldwell is the Project Podiatrist and Dr. Carroll is the Study Monitor. The study will begin once IRB approvals have been obtained from CWRU and OCPM.

### **OCPM ACFAS STUDENT CHAPTER WINS FIRST PLACE IN POSTER COMPETITION**

Congratulations to the OCPM student chapter of the American College of Foot and Ankle Surgeons (ACFAS) for their first place finish in the student chapter poster competition at the annual ACFAS national meeting in February in Las Vegas, NV!! The poster, entitled "Analysis of Pressure and Contact Area Between Two Bone Segments with Uni-Cortical and Bi-Cortical Staple Fixation", was authored by OCPM students Danielle Malin, Tiffany DeLutis, Lauren Kishman, Heraj Patel, Devin Grant, Jill Perry, Nicole Nicolosi and Matt Borns. The students worked very hard on the research, under the supervision of advisors Dr. DeMore and Dr. Carroll, and we are very proud of their accomplishment!

### **DR. CARROLL TO PRESENT STUDENT RESEARCH AT CWRU RESEARCH SHOWCASE**

Dr. Carroll will present a poster, entitled "A Mechanical Study of Fixation Techniques for the Lapidus Surgical Procedure", at the 2010 Research ShowCASE. The poster is co-authored by OCPM students Erigena Baze, Steven Hawley, Tiffany DeLutis and Danielle Malin, and by Dr. Chiunda. The ShowCASE, which is sponsored by Case Western Reserve University, will be held in Cleveland, Ohio on Friday, April 16, 2010.

**DR. YAVUZ TO PUBLISH PAPER IN JAPMA**

A paper by Dr. Yavuz and his co-author, Brian Davis, Ph.D. of the Cleveland Clinic Foundation, is tentatively scheduled to be published in the March/April issue of the Journal of the American Podiatric Medical Association (JAPMA). The paper, entitled "Plantar Shear Stress Distribution in Athletic Individuals with Frictional Foot Blisters", discusses the results from a study that assessed and compared frictional shear forces under the feet of athletic individuals with adult and pediatric control subjects. Also discussed in the paper is the significance of shear forces in the etiology of foot blistering.

**DEADLINES-AT-A-GLANCE: UPCOMING GRANT APPLICATION DEADLINES**

**National Institutes of Health (NIH)**

*Public Health Service Research Grants (R01)*

The NIH is accepting proposals for research in a wide variety of fields, including arthritis, musculoskeletal disorders, diabetes and skin diseases. Funding is available for three to five years, with no restrictions on amount of support. More information on this grant is available at <http://grants.nih.gov/grants/guide/pa-files/PA-07-070.html>

Deadlines for application: June 5, October 5

*Academic Research Enhancement Award (R15)*

The NIH AREA program has three objectives: 1) to develop the research environment a "smaller, less prominent, four-year, public and private colleges and universities which provide baccalaureate or advanced training for a significant number of our nation's research scientists but which have not shared adequately in the growth of the NIH extramural program", 2) to expose students at such institutions to the research experience, and 3) to support meritorious research. The AREA program supports small-scale research projects, including feasibility or pilot studies, in health-related topics. More information is available at <http://grants.nih.gov/grants/guide/pa-files/PA-06-042.html>

Deadlines for application: June 25, October 25

*Exploratory/Developmental Research Award (R21)*

The NIH R21 program is intended to encourage exploratory and/or developmental research by providing support for the early and conceptual stages of project development. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. Applicants may request a maximum of \$150,000 total direct costs plus applicable Facilities & Administrative (F&A)/indirect costs for the entire project period of up to three years. More information is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-164.html>

Deadlines for application: June 16, October 16

## **American Diabetes Association**

### *Basic Science Award*

The ADA Research Awards provide grant support to new and established investigators. Applications will be considered in any area that is relevant to the etiology or pathophysiology of diabetes and its complications. Funding is available for up to \$115,000 per year for up to three years. Up to 20% of total costs for PI salary support and up to 15% for indirect costs may be requested.

### *Clinical/Translational Award*

The ADA Clinical/Translational Awards are designed to support patient-oriented research in diabetes. For the purpose of this award, clinical research is defined as research directly involving humans, and includes education, psychosocial, behavioral, epidemiologic, and health services research as well as studies of normal physiology and mechanisms of disease. Funding is available for up to \$200,000 per year for up to three years. Up to 20% of total costs for PI salary support and up to 15% for indirect costs may be requested.

### *Innovation Award*

The ADA Innovation Awards are pilot or feasibility grants designed to support novel hypotheses that may lack preliminary data, but offer considerable promise for the cure, prevention or treatment of diabetes. Funding is available for a maximum of \$50,000 per year for two years. No indirect costs may be requested.

### *Henry Becton Innovation Award*

The ADA Henry Becton Innovation Awards are pilot or feasibility grants designed to support hypotheses in the following areas: medical informatics in direct patient therapy, advanced methods of insulin delivery, community-based care, and the role of allied health professionals care of children with Type 2 diabetes. Funding is available for a maximum of \$50,000 per year for up to two years. No indirect costs may be requested.

Website for all ADA grant opportunities:

[http://professional.diabetes.org/Diabetes\\_Research.aspx?typ=18&cid=64381](http://professional.diabetes.org/Diabetes_Research.aspx?typ=18&cid=64381)

Deadlines for all applications: July 15, 2010

## **AO Research Fund**

### *Start Up Grant*

The AO Research Fund start up grant is designed to encourage researchers to develop unconventional, novel projects and to expand in a wide range of research fields within the general areas of interest of the AO Foundation. This includes basic scientific, pre-clinical and clinical research in all areas of trauma, surgery of the musculoskeletal system and related problems. Awards are a maximum of CHF 60,000 per year for up to two years. More information on this grant is available at [www.aofoundation.org](http://www.aofoundation.org)

Deadline for application: August 15, 2010