



Penn Orthopaedics 2015 Cartilage Repair Symposium April 24th-25th, 2015

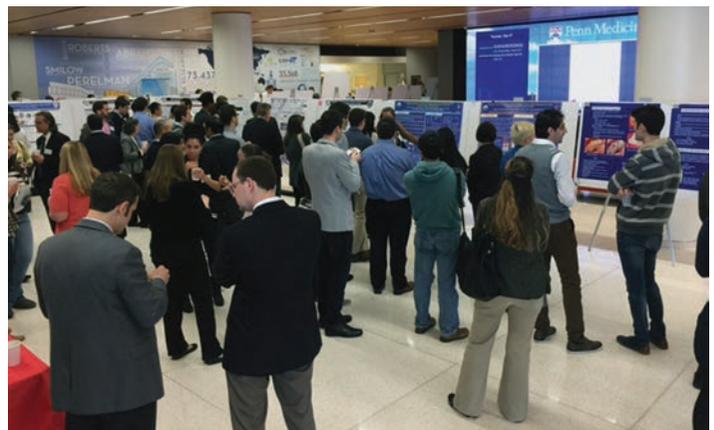
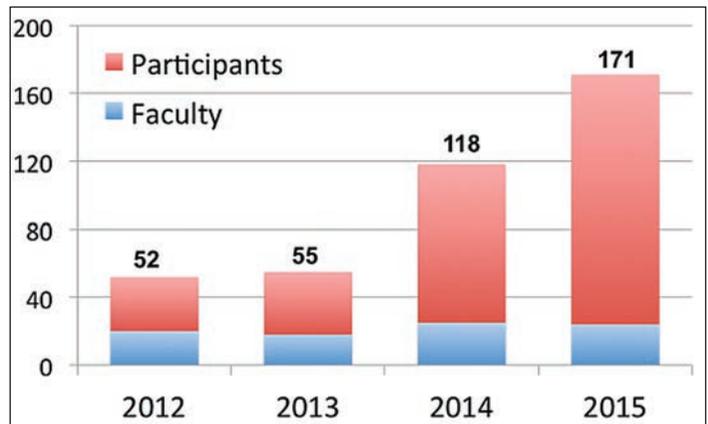


Tyler R. Morris, MD and Alexander L. Neuwirth, MD

This past April, coinciding with the Penn Relays, the University of Pennsylvania Department of Orthopaedic Surgery was thrilled to host the Penn Orthopaedics 2015 Cartilage Repair Symposium, which recorded its highest attendance ever at nearly one hundred and seventy participants from all over the United States and the World. *New Directions in Osteochondral Repair and Regeneration* was a multidisciplinary event geared toward medical professionals, engineers, and scientists with an interest in the latest techniques in cartilage biology and repair. With a focus on translational basic science, topics included various areas of investigation such as cartilage and fibrocartilage biology, biomaterials, stem cell use in tissue engineering, novel imaging modalities, and animal models, as well as the latest developments in clinical care and rehabilitation paradigms.

Invited keynote speakers included Elizaveta Kon, MD, from the Laboratory for Biomechanics and Technological Innovation, Rizzoli Orthopaedic Institute, Bologna, Italy; C. Wayne McIlwraith, PhD, DSC, from Colorado State University; Scott A. Rodeo, MD, from the Hospital for Special Surgery, New York, NY; and Rocky S. Tuan, PhD, from the University of Pittsburgh.

The day began with remarks by the course directors, James L. Carey, MD, MPH, and Robert L. Mauck, PhD, welcoming the audience to Philadelphia and the symposium. Both alluded to the past three year's symposiums and the continued success of the event, in addition to the advances made in the field in recent years. The day then continued with sessions of lectures and discussions, including "Cells and Materials for Osteochondral Repair," moderated by Robert L. Mauck, PhD; "New Ideas in Cartilage Repair," with moderator Suzanne Maher, PhD; and "Animal Models for Osteochondral Repair," moderated by Thomas P. Schaefer, VMD. A keynote speech was then given by Elizaveta Kon, MD, entitled "Historical



Perspective and Surgical Technique: Biometric Scaffolds for Osteochondral Repair, moderated by James L. Carey, MD, MPH. The day concluded with a trip to the Human Tissue Lab, organized by Dr. Miltiadis Zgonis, where a group of surgeons and scientists participated in cadaver-based skill sessions. Participants were able to view these lectures in person and practice in small group sessions on the cadavers.

The next day, the symposium began with further lecture sessions, including *“Translating Basic Science to Clinical Science,”* moderated by Robert L. Mauck, PhD; *“Surgical*

Techniques: Treatment of Large Osteochondral Lesions,” moderated by Brian J. Sennett, MD; and *“Rehabilitations and Outcomes,”* with moderator Lawrence Wells, MD. Following closing remarks by Drs. Mauck and Carey, the group then walked to Franklin Field for an afternoon at the Penn Relays. With world-class leadership, stimulating lectures and robust discussion sessions, the symposium was a boon for all those in attendance and promises to be a continued success for years to come.