



Letter from the Editors-in-Chief



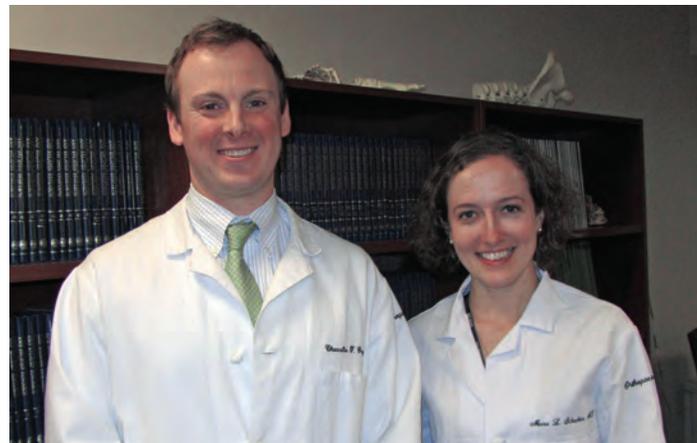
We are very proud to introduce *Volume 21* of the *University of Pennsylvania Orthopaedic Journal (UPOJ)*, which we dedicate to **Dr. Zachary Bert Friedenberg**. Dr. Friedenberg was a mentor and a friend to many generations of residents and faculty at the University of Pennsylvania, and he passed away at the age of 95 on January 27, 2011. Dr. Friedenberg's contributions to the University of Pennsylvania Department of Orthopaedic Surgery and the entire orthopaedic community are numerous. **Dr. Andrew Kuntz and Dr. Derek Donegan**, our administrative chief residents this year, brilliantly outlined Dr. Friedenberg's legacy in their *Dedication* article in the pages that follow.

In this edition of *UPOJ*, we have sought to include high-quality, peer-reviewed articles in orthopaedic surgery, with a special emphasis on the contributions in orthopaedic research from the University of Pennsylvania. Articles representing a variety of orthopaedic subspecialties are included in this edition, and should appeal to a broad readership. We also include superb editorials, as well as updates on our hospitals, and laboratory facilities. Finally, we pay tribute to this year's outstanding class of graduating residents.

This publication is the result of the tireless efforts of the University of Pennsylvania Orthopaedic Surgery residents, and would not be possible without the mentorship and support of our Department faculty. **Dr. Jason Hsu and Dr. Roshan Shah** deserve much credit and praise for raising the bar with *Volume 20* of *UPOJ*. They produced a remarkable hardcover edition of *UPOJ*, and improved online access to *Journal* content and manuscript submission. Their tireless effort made the transition easy for us to step into the role as *Editors-in-Chief*. We would like to thank our faculty and resident peer reviewers: **Drs. Ahn, Baldwin, Donegan, Gee, Glaser, Hebel, Huffman, Hume, Kamath, Kuntz, Lawrence, Mehta, Namdari, Pappas, Scolaro, Shah, D. Steinberg, Tjoumakaris, and Wells**, who provided integral feedback and mentorship throughout the editorial process. Additionally, we would like to thank our Chairman, **Dr. Scott Levin**, and our Residency Program Director, **Dr. Craig Israelite** who provided outstanding mentorship and support to us this year. We are also grateful to **Dr. Samir Mehta**, our faculty advisor.

He provided enthusiastic support and encouragement throughout the yearlong publication process, and offered unique insight as a former *Editor-in-Chief (Volume 17 of UPOJ)*. Finally, *UPOJ* remains financially independent from the Department, as it has since 1997. This production is only made possible by the generous support of our sponsors, who are represented in the artwork throughout this edition. We are grateful for all support, and recognize that healthy and productive academic collaborations with industry can and do occur.

Welcome to *Volume 21* of *UPOJ*! We hope you find this *Journal* informative and enjoyable, and that it gives a sample of the broad academic interests of the Department of Orthopaedic Surgery at Penn.



Sincerely,

Chancellor F. Gray, MD and Mara L. Schenker, MD

Editors-in-Chief
University of Pennsylvania Orthopaedic Journal
Volume 21, 2010-2011