

Biomechanics Working Group Report

The Biomechanics Working Group played a key role in the organization of technical sessions on multiscale modeling and related multiscale techniques at the 7th World Congress of Biomechanics, held at Boston July 6-11, 2014. The World Congress is the premier meeting worldwide in biomechanics and is held once every 4 years. It was last held in the USA in 1990. In total, there were 9 Multiscale Modeling sessions and 4 Multiscale Techniques sessions at Boston, with over 60 podium presentations during the 13 sessions. Dr. Grace Peng from the NIH led off a sequence of four sessions on Multiscale Modeling and Computational Challenges, the first two sessions of which were co-chaired by Drs. Ahmet Erdemir and Shayn Peirce. Also representing the Biomechanics Working Group, Dr. Jay Humphrey served as overall Technical Program Chair for the Congress and coordinated the sequence of 13 multiscale sessions. A Special Issue of the *Journal of the Royal Society Interface* is forthcoming based on a sub-set of papers presented during the multiscale sessions. Drs. Erdemir and Humphrey will serve as two of the four co-editors for this special issue.