

## Attending FASEB Science Research Conference (SRC) on Skeletal Muscle Satellite & Stem Cells

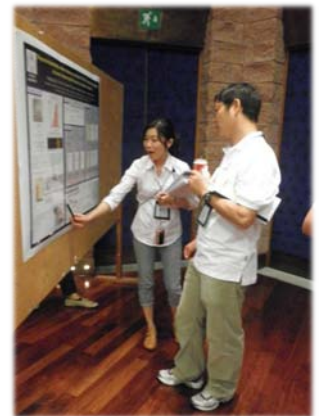
Venue: *Renaissance Tuscany Il Ciocco Resort and Spa, Barga, Italy*

Duration: *August 12th ~ 17th, 2012*

Conference: *FASEB Science Research Conference (SRC) on Skeletal Muscle Satellite & Stem Cells*

This year the FASEB congress on skeletal muscle satellite & stem cells attracted more than a hundred of researchers come from USA, Italy, Canada, Japan, Spain, France, Australia, Singapore, India, Poland. It scheduled 44 talks and 61 posters focusing on epigenetic and post-transcriptional control of satellite cells (9%), satellite cell activation/quiescence/self-renewal (13%); satellite cell lineage progression & differentiation (19%); the molecular control of satellite cells in growth, hypertrophy and regeneration (18%), non-myogenic cells in muscle that influence satellite cell biology (14%), non-limb satellite cells (5%), satellite cell in aging and disease (14%), skeletal muscle fiber and tissue biology and physiology (8%). Our laboratory, the only research group from Kyushu University, attended the congress with 1 oral presentation (Dr. Ryuichi Tatsumi) and 3 poster presentations including one of mine.

In poster section I on August 13<sup>th</sup>, I presented the poster entitled "heparan/chondroitin sulfate chains may mediate HGF/FGF2-induced up-regulation of neural chemorepellent Sema3A in satellite cell cultures". I received many comments and questions from Dr. Bradley Olwin, University of Colorado, USA, Dr. Shihuan Kuang, Purdue University, USA. Dr. Helena Escobar-Fernandez, Universitaetsmedizin Berlin, Germany, Dr. Monica Suelves, Institute of Predictive and Personalized Medicine, Spain, Ms. Areta M. Czerwinska, University of Warsaw, Poland. I also had a very-interesting discussion with Dr. Judy E. Anderson, University of Manitoba, Canada who gave many good advices to deepen the research. Moreover, I did enjoy a lot of presentations during the conference. Especially, I got much impression with many latest findings on satellite cells and muscle fibers such as satellite cells from extraocular muscles (Dr. Linda K. Mcloon, University of Minnesota, USA), pharyngeal muscles (Dr. Grace Pavlath, Emory University, USA); phenomena of muscle branching in mdx, aging, and regenerating mice (Dr. Christophe Pichavant, Emory University, USA) and central nuclei during muscle regeneration (Dr. Judy E. Anderson, University of Manitoba, Canada); roles of Eph/Ephrins in muscle regeneration (Dr. D. Cornelison, University of Missouri, USA) which is closed to my research target molecule, Sema3A. Besides, it was a good chance to make friendships with international researchers such as Ms. Melanija Posavec, Ms. Laura Garcia-Prat, Ms. Elvira Carrio, and Dr. Monica Suelves, Spain.



In addition to the conference, I also enjoyed the beauty of Italy including Colosseum in Rome, an ancient city with the wall of the renaissance era in Lucca, Italian food and drink culinary art, especially a fancy conference-ending dinner with the European style. Finally, I would like to show my sincere gratitude to my supervisor, *Associate Professor*. Dr. Ryuichi Tatsumi for his invaluable support and other Lab staffs and colleagues for their kind help during the trip. It is also an honor to me to receive JSPS financial funding for overseas travel expense.