



Invited Lectures from International Distinguished Scholars

(Prof. Dr. Thomas A. Rando, Stanford University, CA, USA)

October 16, 2009

4th Floor, International Conference Hall, Informative Technology Services, Kyungpook National University, Daegu City 702-701, Republic of Korea.

Welcome Ceremony

13:30-Opening Remarks(Dr. Kyu-Shik Jeong, Kyungpook National University, Daegu City, Korea)

13:40-Welcome Address(Dr. Dong-II Noh, President, Kyungpook National University, Daegu City, Korea)

Special Lectures

13:50-14:50-Muscle Stem Cell Fate (Dr. Thomas A. Rando, Stanford University, CA, USA)

14:50-15:20-Open Discussion

15:20-Closing Remarks (Dr. Kyu-Shik Jeong, Kyungpook National University, Daegu, Korea)

Organization

Kyungpook National University & Brain Korea 21-"Development of Regenerative Progress on The Aged and Damaged Liver Cells", College of Veterinary Medicine.

BIOGRAPHICAL SKETCH DR. THOMAS A. RANDO



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|------------------------------------|---------|------|
| Harvard College, Cambridge, MA | AB | 1979 |
| Harvard Medical School, Boston, MA | MD | 1987 |
| Harvard University, Cambridge, MA | PhD | 1987 |
| Stanford University, Stanford, CA | Postdoc | 1994 |

Professional Experience

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|----------------|---|
| 1987-1988 | Intern in Medicine, Massachusetts General Hospital, Boston, MA |
| 1988-1990 | Resident in Neurology, UCSF, San Francisco, CA |
| 1990-1991 | Chief Resident in Neurology, UCSF, San Francisco, CA |
| 1991-1994 | Postdoctoral Fellow, Department of Molecular Pharmacology, Stanford University |
| 1995-2002 | Assistant Professor, Department of Neurology and Neurological Sciences, Stanford University |
| 2000-2003 | Founding Director, MDA Clinic, Stanford University Medical Center |
| 2000-2007 | Director, GRECC, Veterans Affairs Medical Center, Palo Alto, CA |
| 1996-present | Chief of Service, Neurology Service, Veterans Affairs Medical Center, Palo Alto, CA |
| 2002-presently | Professor, Department of Neurology and Neurological Sciences, Stanford University |
| 2006-present | Deputy Director, Stanford Center on Longevity, Stanford University |

Honors and Awards

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| 1985 | Grass Fellowship in Neurophysiology |
| 1991-1994 | Dana Fellowship in Neuroscience |
| 1992-1994 | Howard Hughes Medical Institute Postdoctoral Research Fellowship for Physicians |
| 1995 | Junior Faculty Research Award, American Academy of Neurology |
| 1996 | Frederick E. Terman Fellowship, Stanford University |
| 1999 | Paul Beeson Physician Faculty Scholar in Aging, American Federation for Aging Research |
| 2002 | American Neurological Association, Elected member |
| 2004 | Ellison Medical Foundation Senior Scholar Award in Aging |
| 2005 | NIH Director's Pioneer Award |
| 2007 | Schober Award, International Congress on Cardiovascular Ageing |
| 2008 | Breakthroughs in Gerontology (BIG) Award, American Federation for Aging Research |

Selected Peer-Reviewed Publications

- Rando TA, Disatnik M-H, Zhou LZ-H (2000) Rescue of dystrophin expression in mdx mouse muscle by RNA/DNA oligonucleotides. **Proc Natl Acad Sci, USA**, **10**: 5363-5368.
- GM, Rando TA (2003) Notch-mediated restoration of regenerative potential to aged muscle. **Science**, **302**: 1575-1577.
- Sherwood RI, Christensen JL, Conboy IM, Conboy MJ, Rando TA, Weissman IL, Wagers AJ (2004) Isolation of adult mouse myogenic progenitors: Functional heterogeneity of cells within and engrafting skeletal muscle. **Cell**, **119**: 543-554.
- Rando TA (2004) Artificial sweeteners: Enhancing glycosylation to treat muscular dystrophies. **New Eng J Med**, **351**: 1254-1256.
- Conboy IM, Conboy MJ, Wagers AJ, Girma E, Weissman IL, Rando TA (2005) Rejuvenation of aged progenitor cells by exposure to a young systemic environment. **Nature**, **433**: 760-764.
- Rando TA (2005) The adult muscle stem cell comes of age. **Nature Medicine**, **11**: 829-831.
- Bertoni C, Jarrahan S, Wheeler TM, Li Y, Olivares EC, Calos MP, Rando TA (2006) Enhancement of plasmid-mediated gene therapy for muscular dystrophy by directed plasmid integration. **Proc Natl Acad Sci, USA**, **103**: 419-424.
- Rando TA (2006) Stem cells, ageing and the quest for immortality. **Nature**, **441**: 1080-1086.
- Conboy MJ, Karasov AO, Rando TA (2007) High incidence of non-random template strand segregation and asymmetric fate determination in dividing stem cells and their progeny. **PLoS Biology**, **5**: 1120-1126.
- Rando TA (2007) The immortal strand hypothesis: Segregation and reconstruction. **Cell**, **129**: 1239-1243.
- Boutet SC, Disatnik M-H, Chan LS, Iori K, Rando TA (2007) Regulation of Pax3 by proteasomal degradation of mono-ubiquitinated protein in skeletal muscle progenitors. **Cell**, **130**: 349-362.
- Brack AS, Conboy MJ, Lee M, Roy S, Kuo CJ, Keller C, Rando TA (2007) Increased Wnt signaling during aging alters myogenic stem cell fate and increases fibrosis. **Science**, **317**: 807-810.
- Brunet A, Rando TA (2007) Stem to stern. **Nature**, **449**: 288-291.
- Brack AS, Conboy IM, Conboy MJ, Shen J, Rando TA (2008) A temporal switch from Notch to Wnt signaling in muscle stem cells is necessary for normal adult myogenesis. **Cell Stem Cell**, **2**: 50-59.
- Rando TA (2008) Getting personal with gene therapy for muscular dystrophy. **Lancet Neurology**, **7**: 196-198.
- Lim LE, Rando TA (2008) Therapy for Duchenne muscular dystrophy - an opportunity for personalized medicine? **Nature Clinical Practice Neurology**, **4**: 149-158.
- Rando TA (2008) Turning back time: Reversing tissue pathology to enhance stem cell engraftment. **Cell Stem Cell**, **3**: 232-234.