50th Anniversary Symposium

Discovery of Serum Creatine Kinase as a Diagnostic Marker of Muscular Dystrophy

Organizers

Ichiro Kanazawa

Shin'ichi Takeda

Shoji Tsuji

Teruo Shimizu

Shinichi Kohsaka

9 and 10, January 2009

TOSHI CENTER HOTEL

2-4-1 Hirakawa-cho, Chiyoda-ku, Tokyo 102-0093, Japan

TEL. 03(3265)8211 FAX. 03(3262)1705

ＣＫ５０周年記念事業

平成２１年１月９日（金）
都市センターホテル

特別講演

会場　　3階 コスモスⅠホール

座長　清水　輝夫
（帝京大学医学部長）

17：00 ～ 17：10

開会挨拶　　金澤　一郎
（日本学術会議会長）

17：10 ～ 17：40

特別講演　　杉田　秀夫
（国立精神・神経センター名誉総長）

演　　題　　「血清CK発見から５０年」

懇親会

会場　　3階 コスモスII ホール

18：00 ～ 20：00

Saturday, 10 January: morning

8:30 Opening remarks **Shin'ichi Takeda**

8:40 - 10:40 Session 1 / Congenital muscular dystrophy and myotonic dystrophy **Shin'ichi Takeda**, chairman

8:40
Tatsushi Toda
Division of Clinical Genetics, Osaka University Graduate School of Medicine, 2-2-B9, Yamadaoka, Suita, Osaka 565-0871, Japan
Fukutinopathy and dystroglycanopathy

9:10
Tamao Endo
Tokyo Metropolitan Institute of Gerontology, Foundation for Research on Aging and Promotion of Human Welfare, Itabashi-ku, Tokyo 173-0015, Japan
Defective glycosylation in congenital muscular dystrophy

9:35
Kiichiro Matsumura, Fumiaki Saito, Yuko Saito-Arai, Miki Ikeda, Teruo Shimizu
Department of Neurology and Neuroscience,Teikyo University School of Medicine, 2-11-1 Kaga, Itabashi-ku, Tokyo 173-8605, Japan
Processing of dystroglycan in physiological and pathological conditions

9:55
Atsushi Suzuki
Department of Molecular Biology, Yokohama City University Graduate School of Medical Science
3-9, Fuku-ura, Kanazawa-ku, Yokohama 236-0004, Japan
A novel regulatory mechanism of the dystroglycan complex in epithelial cell polarity development

10:15
Shoichi Ishiura[1], Yoshihiro Kino[2], Noboru Sasagawa[1], Nobuyuki Nukina[2]
[1]Department of Life Sciences, Graduate School of Arts and Sciences, The University of Tokyo, 3-8-1 Komaba, Meguro-ku, Tokyo 153-8902, Japan
[2]Laboratory for Structural Neuropathology, RIKEN Brain Science Institute, Wako, Saitama 351-0198, Japan
***MBNL and CELF proteins regulate alternative splicing of the skeletal muscle chloride channel* CLC-1/CLCN1**

10:40 - 10:55 Coffee breaks

10:55 - 11:45 Session 2 / Preparing for therapies in inherited neuromuscular diseases

Ichizo Nishino, chairman

10:55

Kate Bushby
Institute of Human Genetics, University of Newcastle upon Tyne, International Centre for Life, Central Parkway, Newcastle upon Tyne NE1 3BZ UK

Accelerating the path to treatments for inherited neuromuscular diseases

11:25

Mitsuru Kawai
Department of Neurology, National Hospital Organization Higashi-saitama Hospital, 4147 Kurohama, Hasuda-shi, Saitama 349-0196, Japan

Muscular dystrophy specific QOL scale MDQoL-60

11:45 – 13:00 Lunch

Saturday, 10 January: afternoon

13:00 - 16:50 Session 3 / Molecular pathogenesis and treatment of muscular dystrophy

Yoshihide Sunada, chairman

13:00

Louis M. Kunkel, Emanuela Gussoni, Peter Kang, Hart Lidov, Genri Kawahara, Basil Darras, Frederic Shapiro, Joanne Kurtzberg, Barbara Bambach

The Department of Pediatrics and Genetics, Harvard Medical School, Howard Hughes Medical Institute, Children's Hospital Boston, Boston, MA 02115, USA

Cord blood transplant in DMD and zebrafish without FKRP

13:30

H. Lee Sweeney

Department of Physiology University of Pennsylvania School of Medicine, 3700 Hamilton Walk, Philadelphia, PA 19104-6085 USA

Premature stop codon suppression: A therapeutic strategy for the treatment of a subset of patients with Duchenne muscular dystrophy and other genetic disorders

14:00

Ryoichi Matsuda

Department of Life Sciences, University of Tokyo, 3-8-1 Komaba, Tokyo 153-8902, Japan

Readthrough therapy of muscular dystrophy using negamycin and negamycin-related molecules

14:25 – 14:40 Coffee breaks

Tatsushi Toda, chairman

14:40

Yoshihide Sunada[1], Yutaka Ohsawa[1], Kunihiro Tsuchida[2] and Sumihare Noji[3]

[1]Division of Neurology, Department of Internal Medicine, Kawasaki Medical School 84-9 Matsushima, Kurashiki-City, Okayama 701-0192 Japan

[2]Division for Therapies against Intractable Diseases, Institute for Comprehensive Medical Science, Fujita Health University, 1-98 Dengakugakubo, Kutsukake-cho, Toyoake-City, Aichi 470-1192 Japan

[3]Department of Biological Science and Technology, Faculty of Engineering, The University of Tokushima, 2-1 Minami-Jyosanjima-cho, Tokushima-City, Tokushima 770-8506 Japan

Development and application of anti-myostatin therapy for muscular dystrophy

15:05

Ichizo Nishino, May Christine V. Malicdan, Satoru Noguchi
Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), 4-1-1 Ogawa-higashi, Kodaira, Tokyo 187-8502, Japan

Sweetening the therapy for distal myopathy with rimmed vacuoles/hereditary inclusion body myopathy

15:30

Masafumi Matsuo
Department of Pediatrics, Kobe University Graduate School of Medicine, 7-5-1 Kusunoki-cho, Chuo-ku, Kobe 650-0017, Japan

Treatment of Duchenne muscular dystrophy with antisense oligonucleotides

15:55

Eric P. Hoffman[1], Toshifumi Yokota[1], Qi-long Lu[2], Terence Partridge[1], Masanori Kobayashi[3], Akinori Nakamura[3], Nobuyuki Urasawa[3], and Shin'ichi Takeda[3]
[1]Research Center for Genetic Medicine, Children's National Medical Center, 111 Michigan Ave, NW, Washington, District of Columbia 20010, USA
[2]McColl-Lockwood Laboratory for Muscular Dystrophy Research, Neuromuscular/ALS Center, Carolinas Medical Center, 1000 Blythe Blvd. Charlotte, NC 28231, USA
[3]Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), 4-1-1 Ogawa-higashi, Kodaira, Tokyo 187-8502, Japan

Efficacy of systemic morpholino exon-skipping in Duchenne muscular dystrophy dogs

16:25

Shin'ichi Takeda
Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), 4-1-1 Ogawa-higashi, Kodaira, Tokyo 187-8502, Japan

Advances of molecular therapy research on dystrophin-deficient muscular dystrophy models

16:50 Closing remarks **Ikuya Nonaka**