

Timetable

Date	[Day 1] December 1 (Sat.)			[Day 2] December 2 (Sun.)			
	Registration Coffee Break Exhibition	Seminar Room	Poster Room	Registration Coffee Break Exhibition	Seminar Room	Poster Room	
Room	Foyer	Akio Suzuki Memorial Hall	Lecture Room 2	Foyer	Akio Suzuki Memorial Hall	Lecture Room 2	
9:00							
9:30				Registration & Exhibition	9:00-9:35 Cerebellar Plasticity 1 F1	Poster Exhibition	
10:00			9:35-10:00 Cerebellar Plasticity 2 F2				
10:30			10:00-10:25 Cerebellar Plasticity 3 F3				
11:00				10:25-10:35 Break			
11:30				Registration & Exhibition	10:35-11:00 Models of Cerebellar Functions 1 G1	Poster Exhibition	
12:00			11:00-11:25 Models of Cerebellar Functions 2 G2				
12:30			11:25-11:50 Models of Cerebellar Functions 3 G3				
13:00	Registration & Exhibition	13:00-13:10 Introduction for Fujihara Foundation 13:10-13:15 Welcome Message 13:15-13:30 Opening Remarks		11:50-13:20 Lunch / Poster Presentation			
13:30		13:00-13:30	Poster Exhibition				
14:00		13:30-14:05 Cerebellar Loops 1 D1					
14:30		14:05-14:30 Cerebellar Loops 2 D2					
15:00		14:30-15:05 Complex Spikes 1 E1		Registration & Exhibition	13:20-13:55 Cerebellar Loops 3 D3	Poster Exhibition	
15:30	15:05-15:40 Coffee Break / Poster Presentation		15:05-15:40 Coffee Break / Poster Presentation				
16:00	Registration & Exhibition	15:40-16:15 Complex Spikes 2 E2	Poster Exhibition	Registration & Exhibition	13:55-14:30 Cerebellar Disorders and Their Evaluation 1 H1	Poster Exhibition	
16:30		16:15-16:40 Evolution and Development of the Cerebellum 1 A1			14:30-15:05 Mechanisms and Models of SCD 1 I1		
17:00		16:40-17:05 Evolution and Development of the Cerebellum 2 A2			15:40-16:15 Complex Spikes 3 E3		
17:30		17:05-17:30 Evolution and Development of the Cerebellum 3 A3					16:15-16:40 Complex Spikes 4 E4
18:00		17:30-17:55 Neurotransmission and Information Processing in the Cerebellum 1 C1					16:40-17:05 Cerebellar Disorders and Their Evaluation 2 H2
18:30	17:55-18:15 Neurotransmission and Information Processing in the Cerebellum 2 C2	17:05-17:30 Mechanisms and Models of SCD 2 I2	17:30-17:55 New Treatments for SCD 1 J1				
19:00	Photography	17:55-18:20 Neurotransmission and Information Processing in the Cerebellum 3 C3					
19:30	18:30-20:30 Get-together Party Venue: Faculty Lounge at 26F, Tokyo Medical and Dental University			18:20-18:40 Neurotransmission and Information Processing in the Cerebellum 4 C4			
20:00							

Timetable

Date	[Day 3] December 3 (Mon.)			[Day 4] December 4 (Tue.)	
	Registration Coffee Break Exhibition	Seminar Room	Poster Room	Registration Coffee Break Exhibition	Seminar Room
Room	Foyer	Akio Suzuki Memorial Hall	Lecture Room 2	Foyer	Akio Suzuki Memorial Hall
9:00	Registration & Exhibition	9:00-9:35 B1 Anatomy, Connections and Neuroimaging of the Cerebellum 1	Poster Exhibition	Registration & Exhibition	9:00-9:35 D4 Cerebellar Loops 4
9:30		9:35-10:00 B2 Anatomy, Connections and Neuroimaging of the Cerebellum 2			9:35-10:00 D5 Cerebellar Loops 5
10:00		10:00-10:25 B3 Anatomy, Connections and Neuroimaging of the Cerebellum 3			10:00-10:25 D6 Cerebellar Loops 6
10:30	10:25-10:35 Break			10:25-10:35 Break	
11:00	Registration & Exhibition	10:35-11:00 I3 Mechanisms and Models of SCD 3	Poster Exhibition	Registration & Exhibition	10:35-11:00 J2 New Treatments for SCD 2
11:30		11:00-11:25 I4 Mechanisms and Models of SCD 4			11:00-11:25 J3 New Treatments for SCD 3
12:00		11:25-11:50 I5 Mechanisms and Models of SCD 5			11:25-13:20 Break
12:30	11:50-13:20 Lunch / Poster Presentation			Break	
13:30	Registration & Exhibition	13:20-13:55 E5 Complex Spikes 5	Poster Exhibition	Registration & Exhibition	13:20-13:45 F6 Cerebellar Plasticity 6
14:00		13:55-14:20 E6 Complex Spikes 6			13:45-14:10 F7 Cerebellar Plasticity 7
14:30		14:20-14:45 H3 Cerebellar Disorders and Their Evaluation 3			14:10-14:35 F8 Cerebellar Plasticity 8
15:00		14:45-15:10 H4 Cerebellar Disorders and Their Evaluation 4			14:35-15:00 H7 Cerebellar Disorders and Their Evaluation 7
15:30	15:10-15:40 Coffee Break				15:00-15:20 H8 Cerebellar Disorders and Their Evaluation 8
16:00	Registration & Exhibition	15:40-16:05 F4 Cerebellar Plasticity 4			15:20-15:45 H9 Cerebellar Disorders and Their Evaluation 9
16:30		16:05-16:30 F5 Cerebellar Plasticity 5			15:45-16:10 General Discussion & Closing Remarks
17:00		16:30-16:55 H5 Cerebellar Disorders and Their Evaluation 5			
17:30		16:55-17:20 H6 Cerebellar Disorders and Their Evaluation 6			
18:00		17:20-17:45 G4 Models of Cerebellar Functions 4			
18:30		17:45-18:10 G5 Models of Cerebellar Functions 5			
19:00	18:30-20:30 Main Party				
19:30	Venue: Tokyo Garden Palace Hotel				
20:00					

— Program —

13:00-13:10

Introduction for Fujihara Foundation

13:10-13:15

Welcome Message

[Speaker]

Nobutaka Hirokawa
(The University of Tokyo)

13:15-13:30

Opening Remarks

[Speaker]

Hidehiro Mizusawa
(National Center of Neurology and Psychiatry, Tokyo Medical and Dental University, Japan)

13:30-14:05

Cerebellar Loops 1

D1

[Chair]

Chris I. De Zeeuw
(Netherlands Institute of Neuroscience, Royal Dutch Academy of Arts and Sciences, the Netherlands)

[Speaker]

Peter L. Strick
(Thomas Detre Professor & Chair of Neurobiology, Scientific Director, University of Pittsburgh Brain Institute,
University of Pittsburgh, United States of America)
"The Basal Ganglia and the Cerebellum: Nodes in an Integrated Network."

14:05-14:30

Cerebellar Loops 2

D2

[Chair]

Chris I. De Zeeuw
(Netherlands Institute of Neuroscience, Royal Dutch Academy of Arts and Sciences, the Netherlands)

[Speaker]

Masaki Tanaka
(Department of Physiology, Hokkaido University, Japan)
"Roles of subcortical preparatory signals in self-timing"

14:30-15:05

Complex Spikes 1

E1

[Chair]

Shigeru Kitazawa
(Osaka University, Japan)

[Speaker]

Peter Thier
(Department of Cognitive Neurology, Hertie Institute of Clinical Brain Research, University of Tübingen, Germany)
"Learning from the past: a reverberation of past errors in the cerebellar climbing fiber signal"

15:05-15:40

Coffee Break/Poster Presentation

15:40-16:15

Complex Spikes 2

E2

[Chair]

Shigeru Kitazawa
(Osaka University, Japan)

[Speaker]

Reza Shadmehr
(Biomedical Engineering, Johns Hopkins University, United States of America)
"Population coding in the cerebellum"

16:15-16:40

Evolution and Development of the Cerebellum 1

A1

[Chair]

Masanobu Kano
(Department of Neurophysiology, Graduate School of Medicine, The University of Tokyo /
International Research Center for Neurointelligence (WPI-IRCIN), The University of Tokyo Institutes for
Advanced Study (UTIAS), The University of Tokyo, Japan)

[Speaker]

Yasunori Murakami
(Graduate School of Science and Engineering, Ehime University, Japan)
"Origin and evolution of the cerebellum"

16:40-17:05

Evolution and Development of the Cerebellum 2

A2

[Chair]

Masanobu Kano

(Department of Neurophysiology, Graduate School of Medicine, The University of Tokyo /
International Research Center for Neurointelligence (WPI-IRCIN), The University of Tokyo Institutes for
Advanced Study (UTIAS), The University of Tokyo, Japan)

[Speaker]

Naoyuki Yamamoto

(Laboratory of Fish Biology, Graduate School of Bioagricultural Sciences, Nagoya University, Japan)
"The cerebellum of ray-finned fishes: specific features and diversity"

17:05-17:30

Evolution and Development of the Cerebellum 3

A3

[Chair & Speaker]

Masanobu Kano

(Department of Neurophysiology, Graduate School of Medicine, The University of Tokyo /
International Research Center for Neurointelligence (WPI-IRCIN), The University of Tokyo Institutes for
Advanced Study (UTIAS), The University of Tokyo, Japan)

"Mechanisms underlying climbing fiber synapse elimination during postnatal cerebellar
development"

17:30-17:55

Neurotransmission and Information Processing in the Cerebellum 1

C1

[Chair]

Javier F. Medina

(Department of Neuroscience, Baylor College of Medicine, Houston, TX, United States of America)

[Speaker]

John I. Simpson

(Department Neuroscience & Physiology, NYU Medical School, New York, United States of America)
"Computations in the rabbit's cerebellar flocculus"

17:55-18:15

Neurotransmission and Information Processing in the Cerebellum 2

C2

[Chair]

Javier F. Medina

(Department of Neuroscience, Baylor College of Medicine, Houston, TX, United States of America)

[Speaker]

Mayu Takahashi

(Department of Systems Neurophysiology, Tokyo Medical and Dental University, Japan)

"Input-output organization of posterior vermal and fastigial regions in relation to saccadic
eye and head movements"

9:00-9:35

Cerebellar Plasticity 1

F1

[Chair]

Tomoo Hirano

(Department of Biophysics, Graduate School of Science, Kyoto University, Japan)

[Speaker]

Stephen G. Lisberger

(Department of Neurobiology, Duke University School of Medicine, Durham, NC, United States of America)

"Delving more deeply into the details of cerebellar learning"

9:35-10:00

Cerebellar Plasticity 2

F2

[Chair]

Tomoo Hirano

(Department of Biophysics, Graduate School of Science, Kyoto University, Japan)

[Speaker]

Michisuke Yuzaki

(Department of Physiology, Keio University School of Medicine, Tokyo, Japan)

"New approaches to old problems to understand cerebellar LTD/LTP"

10:00-10:25

Cerebellar Plasticity 3

F3

[Chair]

Tomoo Hirano

(Department of Biophysics, Graduate School of Science, Kyoto University, Japan)

[Speaker]

Soichi Nagao

(Laboratory for Integrative Brain Functions, Nozomi Hospital, Ina, Saitama, Japan)

"Role of cerebellum in acquisition and consolidation of memory of motor learning"

10:35-11:00

Models of Cerebellar Functions 1

G1

[Chair]

Hirokazu Tanaka

(Japan Advanced Institute of Science and Technology, Japan)

[Speaker]

R. Chris Miall

(Behavioural Brain Sciences, School of Psychology, University of Birmingham, Edgbaston, Birmingham, United Kingdom)

"The cerebellum as a predictor in movement and cognition."

11:00-11:25

Models of Cerebellar Functions 2

G2

【Chair】

Hirokazu Tanaka
(Japan Advanced Institute of Science and Technology, Japan)

【Speaker】

Yutaka Hirata
(Neural Cybernetics Laboratory, Department Robotics Science and Technology, Chubu University College of Engineering, Japan)
“Cerebellar role in predictive control of eye movement in fish and humans.”

11:25-11:50

Models of Cerebellar Functions 3

G3

【Chair】

Hirokazu Tanaka
(Japan Advanced Institute of Science and Technology, Japan)

【Speaker】

Hiroaki Gomi
(NTT Communication Science Laboratories, Japan)
“Contribution of internal models on sensorimotor control”

11:50-13:20

Lunch/Poster Presentation

13:20-13:55

Cerebellar Loops 3

D3

【Chair】

Timothy J. Ebner
(Department of Neuroscience, University of Minnesota, United States of America)

【Speaker】

Yoshikazu Shinoda
(Department of Systems Neurophysiology, Graduate School of Medicine, Tokyo Medical and Dental University, Tokyo, Japan)
“Neural substrates of cerebrocerebellar loop”

13:55-14:30

Cerebellar Disorders and Their Evaluation 1

H1

【Chair】

Hidehiro Mizusawa
(National Center of Neurology and Psychiatry/Tokyo Medical and Dental University, Japan)

【Speaker】

Jeremy D. Schmahmann
(Professor of Neurology, Harvard Medical School / Founding Director, Ataxia Unit / Cognitive Behavioral Neurology Unit / Director, Laboratory for Neuroanatomy and Cerebellar Neurobiology / Department of Neurology, Massachusetts General Hospital and Harvard Medical School, United States of America)
“Systems neuroscience and clinical neurology of cerebellar cognition”

14:30-15:05

Mechanisms and Models of SCD 1

I1

[Chair]

Hidehiro Mizusawa

(National Center of Neurology and Psychiatry/Tokyo Medical and Dental University, Japan)

[Speaker]

Stefan Pulst

(Department of Neurology, University of Utah, United States of America)

“Targeting mutant ATXN2 to restore cerebellar function in the SCA2 mouse”

15:05-15:40

Coffee Break/Poster Presentation

15:40-16:15

Complex Spikes 3

E3

[Chair]

Reza Shadmehr

(Biomedical Engineering, Johns Hopkins University, United States of America)

[Speaker]

Michael Häusser

(Professor of Neuroscience, University College London, United Kingdom)

“Reward signalling in cerebellar cortex”

16:15-16:40

Complex Spikes 4

E4

[Chair]

Reza Shadmehr

(Biomedical Engineering, Johns Hopkins University, United States of America)

[Speaker]

Shigeru Kitazawa

(Graduate School of Frontier Biosciences, Osaka University /

Graduate School of Medicine, Osaka University /

Center for Information and Neural Networks (CiNet), Osaka University, Japan)

“Error signals in the cerebral cortex, the red nucleus and the cerebellum that drive adaptation in reaching”

16:40-17:05

Cerebellar Disorders and Their Evaluation 2

H2

[Chair]

Hitoshi Okazawa

(Department of Neuropathology, Tokyo Medical and Dental University, Japan)

[Speaker]

Catherine J. Stoodley

(Associate Professor, Psychology Director, Undergraduate Program in Neuroscience, American University, Washington, DC, United States of America)

“The cerebellum and autism: From structure to function”

17:05-17:30

Mechanisms and Models of SCD 2

I2

【Chair】

Hitoshi Okazawa

(Department of Neuropathology, Tokyo Medical and Dental University, Japan)

【Speaker】

Keiko Muguruma

(Department iPS Cell Applied Medicine, Kansai Medical University / RIKEN (BDR), Japan)

"In vitro models of cerebellar development and spinocerebellar degeneration utilizing human iPSCs"

17:30-17:55

New Treatments for SCD 1

J1

【Chair】

Yoshitaka Nagai

(Department of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan)

【Speaker】

Phil Hyu Lee

(Department of Neurology, Yonsei University College of Medicine, Seoul, Korea / Severance Biomedical Science Institute, Yonsei University, Seoul, Korea)

"Mesenchymal stem cells as a potential therapeutic candidate of multiple system atrophy-cerebellar type"

17:55-18:20

Neurotransmission and Information Processing in the Cerebellum 3

C3

【Chair】

John I. Simpson

(Department Neuroscience & Physiology, NYU Medical School, New York, United States of America)

【Speaker】

Javier F. Medina

(Department of Neuroscience, Baylor College of Medicine, Houston, TX, United States of America)

"Signals for motor control and action prediction in Purkinje cells"

18:20-18:40

Neurotransmission and Information Processing in the Cerebellum 4

C4

【Chair】

John I. Simpson

(Department Neuroscience & Physiology, NYU Medical School, New York, United States of America)

【Speaker】

Takahiro Ishikawa

(Movement Disorders Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)

"Neural mechanisms generating cerebellar output in the cerebro-cerebellar communication loop"

9:00-9:35

Anatomy, Connections and Neuroimaging of the Cerebellum 1

B1

[Chair]

Izumi Sugihara

(Department of Systems Neurophysiology, Tokyo Medical and Dental University, Japan)

[Speaker]

Jan Voogd

(Department of Neuroscience, Erasmus, mc Rotterdam, The Netherlands)

"Cerebellar Purkinje cell zones. Where and why."

9:35-10:00

Anatomy, Connections and Neuroimaging of the Cerebellum 2

B2

[Chair]

Izumi Sugihara

(Department of Systems Neurophysiology, Tokyo Medical and Dental University, Japan)

[Speaker]

Dagmar Timmann

(Department of Neurology, Essen University Hospital, University of Duisburg-Essen, Germany)

"Structural magnetic resonance imaging (MRI) of the cerebellar nuclei in hereditary ataxias"

10:00-10:25

Anatomy, Connections and Neuroimaging of the Cerebellum 3

B3

[Chair & Speaker]

Izumi Sugihara

(Department of Systems Neurophysiology, Tokyo Medical and Dental University, Japan)

"The lobular and striped organization of the cerebellar hemisphere in relation to projection patterns of afferent and efferent axons in rodents, with a special focus on crus I"

10:35-11:00

Mechanisms and Models of SCD 3

I3

[Chair]

Keiko Muguruma

(Department of iPS Cell Applied Medicine, Kansai Medical University / RIKEN (BDR), Japan)

[Speaker]

Hirokazu Hirai

(Gunma University Graduate School of Medicine, Japan)

"Mouse models of cerebellar ataxia using AAV-PHP.B, a capsid variant highly permeable to the blood brain barrier"

11:00-11:25

Mechanisms and Models of SCD 4

14

[Chair]

Keiko Muguruma

(Department of iPS Cell Applied Medicine, Kansai Medical University / RIKEN (BDR), Japan)

[Speaker]

Hitoshi Okazawa

(Department of Neuropathology, Tokyo Medical and Dental University, Japan)

“Developmental YAPdeltaC determines adult pathology of spinocerebellar ataxia type 1”

11:25-11:50

Mechanisms and Models of SCD 5

15

[Chair]

Keiko Muguruma

(Department of iPS Cell Applied Medicine, Kansai Medical University / RIKEN (BDR), Japan)

[Speaker]

Christopher E. Pearson

(Senior Scientist, The Hospital for Sick Children, Program of Genetics & Genome Biology /

Full-Professor, University of Toronto, Department of Molecular Genetics, Toronto, Ontario, Canada)

11:50-13:20

Lunch/Poster Presentation

13:20-13:55

Complex Spikes 5

E5

[Chair]

Peter Thier

(Department of Cognitive Neurology, Hertie Institute of Clinical Brain Research, University of Tübingen, Germany)

[Speaker]

Timothy J. Ebner

(Department of Neuroscience, University of Minnesota, United States of America)

“Purkinje cell error and kinematic representations in cerebellar-dependent motor behaviors”

13:55-14:20

Complex Spikes 6

E6

[Chair]

Peter Thier

(Department of Cognitive Neurology, Hertie Institute of Clinical Brain Research, University of Tübingen, Germany)

[Speaker]

Takayuki Michikawa

(Biotechnological Optics Research Team, RIKEN Center for Advanced Photonics, Japan)

“Distributed population coding by cerebellar complex spikes”

14:20-14:45

Cerebellar Disorders and Their Evaluation 3

H3

[Chair]

Sheng-Han Kuo

(Department of Neurology, Columbia University, United States of America)

[Speaker]

Hidehiro Mizusawa

(National Center of Neurology and Psychiatry, Japan / Tokyo Medical and Dental University, Japan)

"Prism adaptation test: A practical and quantitative method to evaluate cerebellar function"

14:45-15:10

Cerebellar Disorders and Their Evaluation 4

H4

[Chair]

Sheng-Han Kuo

(Department of Neurology, Columbia University, United States of America)

[Speaker]

Osamu Onodera

(Department of Neurology, Clinical Neuroscience Branch, Brain Research Institute, Niigata University, Japan)

"Single strand DNA break repair and ataxias: lesson from Ataxia with oculomotor apraxia 1 / Early-onset ataxia with ocular motor apraxia and hypoalbuminemia (AOA1/EAOH)"

15:10-15:40

Coffee Break

15:40-16:05

Cerebellar Plasticity 4

F4

[Chair]

Soichi Nagao

(Laboratory for Integrative Brain Functions, Nozomi Hospital, Ina, Saitama, Japan)

[Speaker]

Tomoo Hirano

(Department of Biophysics, Graduate School of Science, Kyoto University, Japan)

"Contribution of excitatory and inhibitory synaptic plasticity in a Purkinje neuron to oculomotor learning paradigms"

16:05-16:30

Cerebellar Plasticity 5

F5

[Chair]

Soichi Nagao

(Laboratory for Integrative Brain Functions, Nozomi Hospital, Ina, Saitama, Japan)

[Speaker]

Germund Hesslow

(Associative Learning Group, Department of Experimental Medical Science, Lund University, Sweden)

"Temporal memory in cerebellar Purkinje cells"

16:30-16:55

Cerebellar Disorders and Their Evaluation 5

H5

[Chair]

Shinji Kakei

(Tokyo Metropolitan Institute of Medical Science, Japan)

[Speaker]

Sheng-Han Kuo

(Department of Neurology, Columbia University, United States of America)

"Essential Tremor and the Cerebellum"

16:55-17:20

Cerebellar Disorders and Their Evaluation 6

H6

[Chair]

Shinji Kakei

(Tokyo Metropolitan Institute of Medical Science, Japan)

[Speaker]

Hiroshi Mitoma

(Department of Medical Education, Tokyo Medical University, Tokyo, Japan)

"Cerebellar reserve and immune-mediated cerebellar ataxias"

17:20-17:45

Models of Cerebellar Functions 4

G4

[Chair]

Hiroaki Gomi

(NTT Communication Science Laboratories, Japan)

[Speaker]

Hirokazu Tanaka

(Japan Advanced Institute of Science and Technology, Japan)

"Neural evidence of the cerebellum as a state predictor"

17:45-18:10

Models of Cerebellar Functions 5

G5

[Chair]

Hiroaki Gomi

(NTT Communication Science Laboratories, Japan)

[Speaker]

Tadashi Yamazaki

(Graduate School of Informatics and Engineering, The University of Electro-Communications, Tokyo, Japan)

"Computer simulation of a monkey-scale cerebellum with 8 billion spiking neurons in realtime and its applications"

9:00-9:35

Cerebellar Loops 4

D4

[Chair]

Michisuke Yuzaki

(Department of Physiology, Keio University School of Medicine, Tokyo, Japan)

[Speaker]

Chris I. De Zeeuw

(Netherlands Institute of Neuroscience, Royal Dutch Academy of Arts and Sciences, the Netherlands)

"How the cerebellum can help us the way we think"

9:35-10:00

Cerebellar Loops 5

D5

[Chair]

Michisuke Yuzaki

(Department of Physiology, Keio University School of Medicine, Tokyo, Japan)

[Speakers]

Hirohisa Watanabe, Gen Sobue,

(Nagoya University Graduate School of Medicine, Brain and Mind Research Center, Japan)

"Involvement of cerebello-cerebral functional networks and cognitive decline in multiple system atrophy"

10:00-10:25

Cerebellar Loops 6

D6

[Chair]

Michisuke Yuzaki

(Department of Physiology, Keio University School of Medicine, Tokyo, Japan)

[Speaker]

Mario Manto

(Service des Neurosciences, Université de Mons, Belgium. / Service de Neurologie, CHU-Charleroi, Belgium)

"The three cornerstones of cerebellar ataxia"

10:35-11:00

New Treatments for SCD 2

J2

[Chair & Speaker]

Yoshitaka Nagai

(Department of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan)

"Molecular-targeted therapy for polyglutamine diseases."

11:00-11:25

New Treatments for SCD 3

J3

[Chair]

Yoshitaka Nagai

(Department of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan)

[Speaker]

Bing-Wen Soong

(Department of Neurology, Taipei Medical University-Shuang-Ho Hospital, Taipei, Taiwan)

"Introduction to a clinical trial with mesenchymal stem cell transplantation for SCA"

11:25-13:20

Break

13:20-13:45

Cerebellar Plasticity 6

F6

[Chair]

Germund Hesslow

(Associative Learning Group, Department of Experimental Medical Science, Lund University, Sweden)

[Speaker]

Jennifer L Raymond

(Department of Neurobiology, Stanford School of Medicine, United States of America)

"Heterogeneity of cerebellar plasticity rules"

13:45-14:10

Cerebellar Plasticity 7

F7

[Chair]

Germund Hesslow

(Associative Learning Group, Department of Experimental Medical Science, Lund University, Sweden)

[Speaker]

Kazuhiko Yamaguchi

(Laboratory for Behavioral Genetics, CBS RIKEN, Japan)

"Mechanisms of long-term synaptic plasticity in the cerebellar Purkinje cell"

14:10-14:35

Cerebellar Plasticity 8

F8

[Chair]

Germund Hesslow

(Associative Learning Group, Department of Experimental Medical Science, Lund University, Sweden)

[Speaker]

Moritoshi Hirono

(Laboratory of Ion Channel Pathophysiology, Graduate School of Brain Science, Doshisha University, Kyoto, Japan / Laboratory for Motor Learning Control, RIKEN BSI, Wako, Japan)

"Perineuronal nets in the deep cerebellar nuclei regulate GABAergic transmission and delay eyeblink conditioning"

14:35-15:00

Cerebellar Disorders and Their Evaluation 7

H7

【Chair】

Osamu Onodera

(Department of Neurology, Clinical Neuroscience Branch, Brain Research Institute, Niigata University, Japan)

【Speaker】

Kinya Ishikawa

(Department of Neurology and Neurological Science / Department of Personalized Genomic Medicine for Health, Tokyo Medical and Dental University, Japan)

“Molecular pathogenesis of SCA6 and SCA31”

15:00-15:20

Cerebellar Disorders and Their Evaluation 8

H8

【Chair】

Osamu Onodera

(Department of Neurology, Clinical Neuroscience Branch, Brain Research Institute, Niigata University, Japan)

【Speaker】

Takeru Honda

(Motor Disorders Project, Tokyo Metropolitan Institute of Medical Science / Laboratory for Behavioral Genetics, RIKEN Center for Brain Science / Department of Advanced Neuroimaging, IBIC, National Center of Neurology and Psychiatry, Japan)

“Tandem Internal Models Fulfill Precise Motor Control”

15:20-15:45

Cerebellar Disorders and Their Evaluation 9

H9

【Chair】

Osamu Onodera

(Department of Neurology, Clinical Neuroscience Branch, Brain Research Institute, Niigata University, Japan)

【Speaker】

Shinji Kakei

(Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan.)

“Contribution of the Cerebellum to Predictive Motor Control and its Evaluation in Cerebellar Ataxia”

15:45-16:10

General Discussion & Closing Remarks