

# Basic Scientists Summer School



International Parkinson and  
Movement Disorder Society

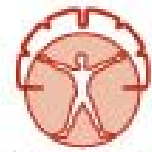
Taipei

July 13-15,  
2014



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## Basic Scientists Summer School

### Important Dates

Registration: From now to June 17<sup>th</sup>, 2014

Dates: July 13 – 15, 2014

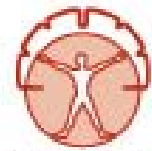
Venue: NTUH International Convention Center

Address: No. 2, Xuzhou Road, Zhongzheng District 101, Taipei City

Website: [www.thcc.net.tw](http://www.thcc.net.tw)

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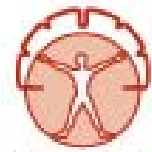
## Basic Scientists Summer School

### Course Description

1. Aim to confront basic scientists and young clinicians with the latest research progress in movement disorders
2. To create a common language and generate ideas among researchers that will allow development of new translational projects developed

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### Learning Objectives

1. Describe the etiology, pathophysiology and mechanisms of neurodegeneration of movement disorders
2. Interact with basic scientists and movement disorders specialists
3. Understand how to write, review and submit a scientific paper
4. Analyze research articles and revise research projects

## Course Directors

Ruey-Meei (Robin) Wu, MD, PhD, Taipei, Taiwan

Carolyn Sue, MBBS, PhD, FRACP, Sydney, Australia

Ryosuke Takahashi, MD, PhD, Kyoto, Japan

Eng-King Tan, MD, Singapore

# Course Program



## Sunday, July 13, 2014

<b>Time</b>	<b>Lecture Topic</b>	<b>Faculty</b>
<b>07:45-08:15</b>	<b>Registration</b>	
08:15-08:30	Welcome	Ruey-Meei Wu
08:30-09:10	Clinical features and diagnosis of Parkinson's disease and atypical parkinsonism	Chin-Song LU
09:10-09:50	Changes of pathology and Biochemistry in Parkinson's disease and parkinsonian syndromes	Pang-Hsien TU
09:50-10:10	How to make a good oral presentation	Eng King TAN
<b>10:10-10:30</b>	<b>Break</b>	
10:30-11:10	Pharmacological treatment including side effects and unmet needs in current therapies	Jee-Young LEE
11:10-11:30	How to find a good mentor	Eng King TAN
11:30-12:00	Research ethics and neuroscience	Daniel Fu-Chang Tsai
<b>12:00-13:00</b>	<b>Lunch (Taipei history)</b>	
13:00-13:40	An overview of molecular neuroscience techniques	Ming-Jen LEE
13:40-14:10	How to write a research grant	Carolyn SUE
<b>14:10-14:30</b>	<b>Break</b>	
<b>14:30-17:00</b>	Comments and critiques of the research projects submitted by the attendees (20' personal presentation + 10' Q)	Rotate groups and faculty
<b>18:00-20:00</b>	<b>Welcome Reception and Dinner</b>	

**Monday, July 14, 2014**

<b>Time</b>	<b>Lecture Topic</b>	<b>Faculty</b>
<b>06:00-09:30</b>	<b>Social Event: Hiking in Beitou Dist.,</b>	<b>English guiders</b>
10:00-10:40	Genetics of PD: FPD and GWA studies	Nobutaka Hattori
10:40-11:20	Cell death mechanisms and prosperous of iPS cell therapy in PD	Ryosuke Takahashi
11:20-11:50	Mitochondria dysfunction in Neurodegenerative disorders	Carolyn Sue
11:50-12:10	Fly model of parkinsonism and drugs screening	Chin- Hsieh LIN
<b>12:10-13:00</b>	<b>Lunch</b>	
13:00-13:30	Zebrafish and elegans models of parkinsonism	Zhong
13:30-14:00	Transgenic mouse model of Aromatic L-amino acid decarboxylase deficiency and gene therapy	Ni-Chung LEE
14:00-14:30	Gene Therapy in PD	Hideki Mochizuki
14:30-15:00	How to submit, review and revise a scientific paper	Eng King Tan
<b>15:00-15:30</b>	<b>Break</b>	
15:30-18:00	Comments and critiques of the research projects submitted by the attendees (20' personal presentation + 10' Q)	Rotate Groups and Faculty
<b>18:30-20:30</b>	<b>Dinner</b>	

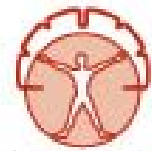
## Tuesday, July 15 , 2014

<b>Time</b>	<b>Lecture Topic</b>	<b>Faculty</b>
08:30-09:00	Pathophysiology of the motor symptoms and levodopa-induced motor complications in PD	Chon-Haw Tsai
09:00-9:30	Mechanism of DBS in the treatment of PD	Chung-Chin Kuo
9:30-10:00	The role of synchronized neural oscillations in the DBS surgery of Parkinson disease	Chiung Chu Chen
<b>10:00-10:30</b>	<b>Break</b>	
10:30-11:00	rTMS in the treatment of PD and dystonia	Yoshikazu Ugawa
11:00-11:30	Image-based biomarkers for the study of cognition in aging: MRI and PET	Joshua Oon Soo GOH
11:30-12:00	Huntington chorea: Pathogenesis and Neuroprotective therapy	YiJuang Chern
<b>12:00-13:00</b>	<b>Lunch</b>	
13:00-14:30	<ol style="list-style-type: none"> <li>1. Cross talk between clinician and scientist</li> <li>2. Opportunities of international collaboration in : presented by the faculties of different countries</li> </ol>	All faculties
14:30-15:50	Group Presentation of the projects selected by each group, 10' presentation for each project	
<b>15:50-16:00</b>	<b>Break and Faculty Discussion</b>	
16:00	Award Presentation (3 best projects)	Ruey-Meei Wu
16:10	Closing Remarks	Ruey-Meei Wu



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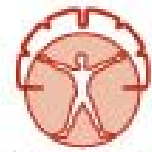
### **Recommended Audience**

young neurology residents, movement disorders fellows, graduate students, post doctoral students and junior scientists under 40 years old.

\*Priority: Submitting research projects or unpublished manuscripts

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## Basic Scientists Summer School

- **More Information**

Visit the course website:

- <http://www.movementdisorders.org/MDS/Education/Upcoming-Courses/Basic-Scientists-Summer-School.htm>

for more information, please contact:

Megan Daniels [mdaniels@movementdisorders.org](mailto:mdaniels@movementdisorders.org)