

Taipei Pediatric Neuro-Oncology Symposium 2017

Date: November 30 – December 1, 2017

Main theme

Input of Molecular Analysis in the Management of Pediatric CNS Tumors

Subthemes

Medulloblastoma and Other Embryonal Tumor

Germ Cell Tumor

Glioma

Venue: 4th Conference Hall, United Medical Building (Front Building)

台北醫學大學醫綜大樓前棟 4 樓誠樸廳

Accommodation Hotel for International Faculty

Howard Plaza Hotel Taipei

No. 160, Ren-ai Rd., Sec. 3, Taipei, Taiwan (Tel: +886-2-2700-2323)

台北福華大飯店

106 台北市大安區仁愛路三段 160 號

Organizing Institutions

Taipei Medical University Hospital

Taipei Cancer Center

Taipei Medical University

Organizing Committee:

Chair: Tai-Tong Wong

Members:

Chen Yang, Hsin-Lun Lee, Hung-Chi Pan, Li-Chun Hsieh, Min-Lan Tsai,
Shu-Mei Chen, Shu-Huey Chen, Sung-Hui Tseng, Yen-Lin Liu, Yi-Shang Yan,
Wen-Cheng Huang,

Austin Changou, Che-Chang Chang, Kuo-Sheng Wu, Meng-En Chao, Ruby Liu,
Shain-Ying Sung, Tsung-Han Hsieh,

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Kwang Tu, Cheg-Yu Chen, Chi-Long Chen, Cheng-Kuei Chang, Sang-Hue Yen,
Yung-Hsiao Chiang, Chien-Min Liu, Tai-Ngar Lui

Sponsors

Taipei Medical University

Taipei Medical University Hospital

Taipei Cancer Center, TMU

Fund of Pediatric Neuroscience in Taipei Medical University

106 年度衛福部科技研究計劃：台灣兒童癌症臨床治療及分子診斷整合研究：兒童腦瘤子計劃

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Social Program:

2017/11/29, 19:00-21:00,

Reception dinner for quest speakers: Regent Taipei (By invitation)

2017/11/30, 19:00-21:30

Banquet: 19:30-21:30 pm: Really Good Seafood Restaurant

Speakers, Moderator, participants, general affair personnel (Total 50 seats)

Address: No. 222, Sec. 1, Fuxing South Road, Taipei City 106, Taiwan

2017/12/1

Dinner for quest speakers leaving on Oct.2 or later

Tianmu Fishman Seafood Restaurant

Faculty

Canada

Michael Taylor

Staff, Pediatric Neurosurgery, The Hospital for Sick Children, Toronto

Associate Professor, Department of Surgery and Laboratory Medicine and Pathology

Principle investigator, The Arthur and Sonia Labatt Brain Tumor Research Centre

Senior Scientist, Developmental and Stem Cell Biology

mdtaylor@sickkids.ca

Title of lectures:

Leptomeningeal Metastases from Medulloblastoma.

Recurrent Medulloblastoma,

Molecular Classification of Ependymoma in 2017

Vijay Ramaswamy

Staff, Neuro-Oncology

Pediatric Brain Tumor Program, Division of Hematology/Oncology,

The Hospital for Sick Children, Toronto

Assistant Professor of Pediatrics

University of Toronto

vijay.ramaswamy@sickkids.ca

Title of lectures:

What is a high risk medulloblastoma in 2017?

Clinical and Translational Biomarkers in Medulloblastoma for 2017

Clinical Correlates of Ependymoma Molecular Subgroups

Florence Cavalli

PhD, European Bioinformatic Institute

Member of Dr. Michael Taylor's Lab

MAGIC Project of Medulloblastoma Analysis

florence.cavalli@gmail.com

Title of Lectures:

Heterogeneity within Medulloblastoma Subgroups: The medulloblastoma subtypes.

Spatial Heterogeneity between Medulloblastoma Biopsies: Implications for Science and Clinical Management.

Nada Jabado

Pediatric Hematologist and Neuro-Oncologist

Professor, Department of Pediatrics, McGill University, Montreal

Principal Investigator, Research Institute of the McGill University Health Center

nada.jabado@mcgill.ca

Title of Lecture:

The molecular revolution in AT/RT and PNET: impact on classification, diagnosis and therapy

Advances in pediatric gliomas: novel entities, classification and impact on therapy

China (Hong Kong)

Ho-Keung Ng, MB, ChB (Edin.), MD, FRCPath, FRCPA, FCAP,

FFPathRCPI, MIAC, FHKC Path

Chair Professor, Department of Anatomical and Cellular Pathology

Associate Dean (Education),

The Chinese University of Hong Kong, Hong Kong, China

hkng@cuhk.edu.hk

Title of lecture:

Can pediatric low grade gliomas be diagnosed by histology?

Wai-Sang Poon, MBChB (Glasg.), FRCS

Chair Professor and Chief of the Division of Neurosurgery,
Department of Surgery, Prince of Wales Hospital,
the Chinese University of Hong Kong, Hong Kong
wpoon@surgery.cuhk.edu.hk
Chairman of Session

Matthew Ming Kong Shing

Consultant Clinical Associate Professor (Honorary), CUHK
Prince of Wales Hospital, New Territories East Cluster
Hospital Authority
Lady Pao Children's Cancer Center,
30-32 Ngan Shing Street, Shatin, N.T., Honk Kong
Fax: (852)2632 1019
Email: mk-shing@cuhk.edu.hk
Moderator of Session

Dennis Ku Tak Loi

Pediatric Oncology, Tuen Mun Hospital
Hong Kong
dennisku@hotmail.com
Moderator of Session

China

Chao Ke

Department of Neurosurgery/Neuro-Oncology,
Sun Yat-Sen University Cancer Center, Guangzhou, China
kechao@sysucc.org.cn

Title of lecture:

Screening of candidate cancer predisposing genetic variations in familial
medulloblastoma

Wenjun Shen

Staff, Division of Pediatric Neurosurgery
Fudan University Affiliated Pediatric Hospital, Shanghai
doc_albert@163.com

Title of lecture:

The expression of FAT1 is associated with overall survival in children with medulloblastoma

Japan

Akihide Kondo, MD, PhD

Professor, Department of Neurosurgery,
Juntendo University School of Medicine, Tokyo
knd-aki@juntendo.ac.jp

Title of lectures:

Intra-operative molecular diagnosis for embryonal tumors
Diffuse midline glioma, H3K27M-mutant, Bench and Clinic

Koichi Ichimura

Chief, Division of Brain Tumor Translational Research
National Cancer Center Research Institute, Tokyo
kichimur@ncc.go.jp

Title of lectures:

Molecular diagnosis system for pediatric brain tumors in Japan
Molecular pathogenesis of CNS GCTs

Singapore

Sharon Yin Yee Low, MBBS, MRCSEd, MMed (Surg)

Neurosurgery,
National Neuroscience Institute, Singapore
sharon.low.y.y@singhealth.com.sg

Title of lecture:

Molecular profiling of medulloblastoma as a translational platform: experience from a Singapore children's hospital

Taiwan

Alex Lu

Staff, Neurosurgery, Department of Neurosurgery,
Linkow Chang Gung Memorial Hospital, Chang Gung University College of
Medicine
alexlu0416@gmail.com

Title of lecture:

Evaluating the role of Anti-GD2 for diffuse intrinsic pontine glioma

Kevin Hsieh

Title of lecture:

Radiogenomic study of medulloblastoma

Kuo-Sheng Wu, PhD

Postdoctoral researcher

Pediatric Brain Tumor Program

Taipei Cancer Center, Taipei Medical University

abel1063@gmail.com

Title of Lecture:

Comparison of the results of RNA-Seq Analysis in 52 cases of pediatric medulloblastoma clustered in TMUH and Sickkids

PDX of AT/RT

Kung-Hao Liang, PhD

Associate researcher, Department of Medical Research,

Taipei Veterans General Hospital

kunghao@gmail.com

Title of lecture:

Uncovering the roles of the glycosyltransferase GalNac-T14 in neuroblastoma and hepatocellular carcinoma

Muh-Lii Liang

Staff, Division of Pediatric Neurosurgery, Neurological Institute

Taipei Veterans General Hospital

National Yang Ming University School of Medicine

Email: Liang4617@hotmail.com

Title of lecture:

Ependymoma (Title, pending)

Pin-Yuan Chen, MD, PhD

Staff, Department of Neurosurgery,

Chang Gung Memorial Hospital, Chang Gung University College of Medicine

pinyuanc@adm.cgmh.org.tw

Title of lecture:

Drug delivery for CNS tumor

Tai-Tong Wong

Professor, Pediatric Neurosurgery
Department of Neurosurgery, Taipei Medical University Hospital
Director of Pediatric Brain Tumor Program
Taipei Cancer Center, Taipei Medical University
ttwong99@gmail.com

Title of lectures:

Metastatic medulloblastoma: Correlation of RNA-Seq Analysis, Clinical Parameters,
and preliminary animal model studies in TMUH/TMU
Input of molecular analysis in the management of CNS GCTs

Wan-Ru Huang, MS

Psychologist,
Department of Physical Medicine and Rehabilitation
Taipei veterans General Hospital
ryouchibaby@hotmail.com

Title of lecture:

QOL in survivors of medulloblastoma and a case demonstration the recovery of
cerebellar mutism after resection of medulloblastoma

Yen-Lin Liu

Staff, Pediatric Hematology Oncology
Department of Pediatrics
Taipei Medical University Hospital
yll.always@gmail.com

Title of lecture:

Chemotherapy for pediatric embryonal brain tumors: The current TMU approaches

Yi-Wei Chen

Staff, Division of Radiation Oncology, Cancer Center
Taipei Veterans General Hospital
National Yang Ming University School of Medicine
chenyw@vghtpe.gov.tw

Title of lecture:

Radiation strategies of CNS embryonal tumors in children

Yi-Yen Lee

Staff, Pediatric Neurooncology
 Division of Pediatric Neurosurgery
 Neurological Institute
 Taipei Veterans General Hospital
 National Yang Ming University, Taipei, Taiwan
yylee62@gmail.com
 Title of lecture:
 Management of recurrent medulloblastoma

Scientific Program

Time	Program
Nov 30, 2017	
8:00-8:10	Opening Remarks Chien-Huang Lin, Jacqueline Whang-Pen, Alice Lin-Tsing Yu, Yong-Kwang Tu
Session 1	Medulloblastoma (1)
Moderator	Chi-Long Chen, Shain-Ying Sung, Wai-Sang Poon, Yung-Hsiao Chiang, Nan-Chang Chiu
8:10-8:40	Heterogeneity within Medulloblastoma Subgroups: The medulloblastoma subtypes. Florence Cavalli
8:40-9:00	Comparison of the results of RNA-Seq Analysis in 52 cases of pediatric medulloblastoma clustered in TMUH and Sickkid Kuo-Sheng Wu
9:00-9:30	Clinical and Translational Biomarkers in Medulloblastoma for 2017 Vijay Ramaswam
9:30-9:50	Molecular profiling of medulloblastoma as a translational platform: experience from a Singapore children's hospital Sharon Yin Yee Low
9:50-10:10	Radiogenomic study of medulloblastoma Kevin Hsieh
10:10-10:20	Coffee Break
Session 2	Medulloblastoma (2)
Moderator	Ching-Shiang Chi, Kou-Chen Wei, Kang-Hsi Wu, Matthew Ming Kong Shing, Meng-Fai Kuo,
10:20-10:0	Leptomeningeal Metastases from Medulloblastoma Michael Taylor

10:50-11:10	Metastatic medulloblastoma: Correlation of RNA-Seq Analysis, clinical Parameters, and preliminary animal model studies in TMUH/TMU Tai-Tong Wong
11:10-11:30	Screening of candidate cancer predisposing genetic variations in familial medulloblastoma Chao Ke
11:30-11:50	The expression of FAT1 is associated with overall survival in children with medulloblastoma Wenjun Shen
11:50-12:20	Spatial Heterogeneity between Medulloblastoma Biopsies: Implications for Science and Clinical Management. Florence Cavalli
12:20—14:00	Lunch
Session 3	Medulloblastoma (3)
Moderator	Kai-Ping Chang, Shiann-Tarng Jou, Tang-Her Jaing, Tsui-Fang Yang,
14:00-14:30	What is a high risk medulloblastoma in 2017? Vijay Ramaswamy
14:30-15:00	Recurrent Medulloblastoma Michael Taylor
15:00-15:20	Management of recurrent medulloblastoma Yi-Yen Lee
15:20-15:40	Outcome of psychosocial and quality of life in survivors of medulloblastoma in children and a case analysis of recovery from cerebellar mutism after radical tumor resection Wan-Ru Huang
15:40-16:00	Chemotherapy for pediatric embryonal brain tumors: The current TMU approaches Yen-Lin Liu
16:00-16:20	Radiation strategies of CNS embryona tumors in children Yi-Wei Chen
16:10-16:20	Coffee Break
Session 4	Molecular diagnosis and biomarkers of Pediatric Brain Tumor CNS Germ Cell Tumors
Moderator	Che-Chang Chang, Dennis Ku Tak Loi, Ruby Liu, Wang-Tso Lee
16:20-16:50	Molecular diagnosis system for pediatric brain tumors in Japan Koichi Ichimura

16:50-17:10	Intra-operative molecular diagnosis for embryonal tumors Akihide Kondo
17:10-17:20	Uncovering the roles of the glycosyltransferase GalNac-T14 in neuroblastoma and hepatocellular carcinoma Kung-Hao Liang
17:20-17:40	Drug delivery for CNS tumor Pin-Yuan Chen
17:40-18:10	Molecular pathogenesis of CNS GCTs Koichi Ichimura
18:10-18:30	Clinical and translational biomarkers in CNS GCTs Tai-Tong Wong
19:00	Banquet Dinner Really Good Seafood Restaurant 真的好海鮮餐廳 Sponsored by TMUH/TMU

Time	Program
December 1, 2017	
Session 5	Astrocytic tumor and AT/RT
Moderator	Donald Ming-Tek Ho, Huei-Shong Wang, Kun-long Hung,
8:00-8:30	Can pediatric low grade gliomas be diagnosed by histology?" Ho-Keung Ng
8:30-9:00	Advances in pediatric gliomas: novel entities, classification and impact on therapy Nada Jabado
9:00-9:30	Diffuse midline glioma, H3K27M-mutant, Bench and Clinic Akihide Kondo
9:30-9:50	Evaluating the role of Anti-GD2 for diffuse intrinsic pontine glioma Alex Lu
9:50-10:10	BNCT for recurrent high grade glioma Yi-Wei Chan
10:10-10:40	The molecular revolution in AT/RT and PNET: impact on classification, diagnosis and therapy Nada Jabado
10:40-10:50	PDX of AT/RT Kuo-Sheng Wu
10:50-11:00	Coffee Break

Session 6	Ependymoma
Moderator	Chieh-Tsai Wu, Shih-Hung Yang, Yu-Cheng Chou
11:00-11:30	Molecular Classification of Ependymoma in 2017 Michael Taylor
11:30-12:00	Clinical Correlates of Ependymoma Molecular Subgroups Vijay Ramaswamy
12:00-12:20	Ependymoma Muh-Lii Laing
12:30	Adjourn
19:00	Farewell Dinner Tianmu Fishman Seafood Restaurant 天母漁店 台北市士林區東山路 3 號 / (02)2871-6057