



## Programme at a Glance\*

The Virtual Meeting Hours:

Region	Satellite Symposium	Conjoint Congress
Hong Kong	14 January 2021, Thursday 14:00 – 17:30	15 January 2021, Friday 09:00 – 18:35 16 January 2021, Saturday 09:00 – 15:15
Australia Sydney	14 January 2021, Thursday 17:00 – 20:30	15 January 2021, Friday 12:00 – 21:35 16 January 2021, Saturday 12:00 – 18:15
Central Europe	14 January 2021, Thursday 07:00 – 10:30	15 January 2021, Friday 02:00 – 11:35 16 January 2021, Saturday 02:00 – 08:15
United States California	13 January 2021, Wednesday 22:00 – 01:30 (+1)	14 January 2021, Thursday 17:00 – 02:35 (+1) 15 January 2021, Friday 17:00 – 23:15

\* All communicated times in the Scientific Programme are **Hong Kong Time**. Hong Kong is 8 hours ahead of Greenwich Mean Time (i.e. GMT+8 hours).

	14 Jan 2021 (Thu)	15 Jan 2021 (Fri)		16 Jan 2021 (Sat)	
09:00		<b>Welcome Address</b>		<b>Session 5A:</b> Low-grade Glioma IV – Safe Maximum Surgery	<b>Session 5B:</b> Circuit & Molecular Pathways in Neurodevelopmental & Psychiatric Diseases
09:30		<b>Session 1:</b> Advances in MIS Spine Surgery			
10:00		<i>Intermission</i>		<i>Intermission</i>	
10:30		<b>Session 2:</b> Low-grade Glioma I		<b>Session 6A:</b> Low-grade Glioma V - Networking Meeting (Round Table Discussion)	<b>Session 6B:</b> Innovative Technologies for Tackling Brain Disorders
11:00		<i>Intermission</i>			
11:30	<b>Satellite Symposium:</b> Hong Kong Student Association of Neuroscience	<b>Session 3A:</b> Low-grade Glioma II	<b>Session 3B:</b> Single-cell Genomics of the Brain	Mr Otto Lien Da Wong Visiting Professorial Lecture in Neuro-Oncology	
12:00				<i>Intermission</i>	
12:30		<i>Intermission</i>		Closing Remarks	
13:00		<i>Intermission</i>			
13:30		<i>Intermission</i>			
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## Scientific Programme : Satellite Symposium

14 January 2021 (Thursday)

14:00 - 14:10	Introduction	
<b>Keynote Speech</b>		<b>Webinar A</b>
<i>Chairpersons : Bobby HO &amp; Victor MAK</i>		
14:10 - 14:13	Introduction	
14:13 - 14:53	Proactive Student Engagement in Neuroscience	Nicholas RAWLINS
14:53 - 15:00	Q&A and Conclusion	
<b>Panel Discussion I</b>		<b>Webinar A</b>
<i>Chairpersons : Matthew LING &amp; Oscar CHOU</i>		
<i>Panellists : Roger C.M. HO, Owen H. KO, Zachary Y. H. LAU, Desiree K. K. WONG, Laura L.W. LEUNG, Maxwell C.Y. CHOI</i>		
15:00 - 15:05	Introduction	
15:05 - 15:30	Challenges and Solutions in Neuroscience Research Among Young Researchers	All Panellists
15:30 - 16:15	Panel Discussion & Conclusion	
<b>Panel Discussion II</b>		<b>Webinar A</b>
<i>Chairpersons : Jimmy CHU &amp; Mandy YUEN</i>		
<i>Panellists : Chrystalina ANTONIADES, Michael W.Y. LEE, Jubilent AMALENDRA, Liam S. LEE, Queenie H.W. WONG</i>		
16:15 - 16:20	Introduction	
16:20 - 16:45	Global Advocacy of Neuroscience: Experience from Professionals and Students	All Panellists
16:45 - 17:30	Panel Discussion & Conclusion	

## Scientific Programme : Conjoint Congress

15 January 2021 (Friday)

Opening Address		Webinar A
09:00 - 09:10	Welcome Address by the Organising Committee	

Session 1 : Advances in MIS Spine Surgery		Webinar A
<i>Chairpersons : Wai-Kit MAK &amp; Daniel W.K. NG</i>		
09:10 - 09:30	Outcome of MIS TLIF with Expandable Cages	David Y.C. CHAN
09:30 - 10:00	Single Position Oblique Lateral Lumbar Interbody Fusion	Joseph M.K. LAM
10:00 - 10:30	Pioneer Technology of Endoscopic Spine – Cervical & Thoracic	Junseok BAE
10:30 - 11:00	Pioneer Technology of Endoscopic Spine – Lumbar	Junseok BAE
11:00 - 11:30	Intermission	

Session 2 : Low-grade Glioma I		Webinar A
<i>Chairpersons : Danny T.M. CHAN, Ho-Keung NG &amp; Wai S. POON</i>		
11:30 - 11:55	Mixed Reality and Connectomics in Glioma Surgery	Tseng-Tsai YEO
11:55 - 12:20	Establishing a Brain Mapping Service (Asleep and Awake Mapping) in a Neurosurgical Unit in Singapore – Experiences and Lessons Learnt	Kejia TEO
12:20 - 12:50	Single-Cell Mapping of Low-grade Glioma Reveals Tumor-Specific Clusters of Tissue-Infiltrated Immune Cells	Tao JIANG
12:50 - 13:20	To Do Genomics or Not Do?	Ho-Keung NG
13:20 - 14:00	Intermission	

Session 3A : Low-grade Glioma II		Webinar A
<i>Chairpersons : Michael W.Y. LEE &amp; Wai S. POON</i>		
14:00 - 14:30	Current Management in Low-grade Glioma	Chae-Yong KIM
14:30 - 15:00	Supratotal Excision of Low-grade Glioma	Lorenzo BELLO
15:00 - 15:30	Treatment of Lower grade Gliomas: Evidence and Controversies	Sith SATHORNSUMETEE
15:30 - 16:00	Science and Surgery of Low-grade Glioma	Hugues DUFFAU
16:00 - 16:15	Intermission	

Session 3B : Single-cell Genomics of the Brain		Webinar B
<i>Chairperson : Owen H. KO</i>		
14:00 - 14:05	Introduction	Owen H. KO
14:05 - 14:50	<b>KEYNOTE LECTURE</b> Transcriptional Reprogramming Promotes Beneficial Microglial Functions in Alzheimer's Disease	Nancy Y.Y. IP
14:50 - 15:20	Neurovascular and Glial Aging: Transcriptomic Readout and Therapeutic Targeting	Owen H. KO
15:20 - 16:00	Intermission	

## Scientific Programme : Conjoint Congress

15 January 2021 (Friday)

Session 4A : Low-grade Glioma III		Webinar A
<i>Chairpersons : Danny T.M. CHAN &amp; Tom C.Y. CHEUNG</i>		
16:15 - 16:45	Imaging for Gliomas	Stephen J. PRICE
16:45 - 17:15	Ultrasonography in Low-grade Glioma	Geirmund UNSGÅRD
17:15 - 17:35	Radiomics on LGG Diagnosis and Clinical Management	Peter Z.F. SHI
17:35 - 18:05	Awake Brain Mapping ---Rolandic, Pre-Rolandic, Insular cortex	Jinsong WU
18:05 - 18:35	Next Generation Operation Theatre for Glioma Surgery – SCOT	Yoshihiro MURAGAKI
Session 4B : Advanced Therapeutics for Brain Diseases		Webinar B
<i>Chairperson : Vincent C.T. MOK</i>		
16:00 - 16:05	Introduction	Vincent C.T. MOK
16:05 - 16:50	<b>KEYNOTE LECTURE</b> GLP-1R Agonists and Other Potential Promising Treatments for Parkinson's Disease in the Clinical Pipeline	Thomas FOLTYNIE
16:50 - 17:20	Neuromodulation for Brain Disorders - Expanding Indications	Xian-Lun ZHU
17:20 - 17:50	Peptidylc and Small Molecule Drugs for Tackling Hereditary Neurological Disorders	Edwin H.Y. CHAN

## Scientific Programme : Conjoint Congress

16 January 2021 (Saturday)

<b>Session 5A : Low-grade Glioma IV - Safe Maximum Surgery</b>		<b>Webinar A</b>
<i>Chairpersons : Danny T.M. CHAN &amp; Tak-Lap POON</i>		
09:00 - 09:15	Hong Kong Surgical Experience in Safe or/and Maximum Resection of Low-grade Glioma	Tak-Lap POON
09:15 - 09:30	Technique in Safe and Maximum Surgery - Taiwan Experience	Sanford P.C. HSU
09:30 - 09:45	Surgical Technique for Maximal Resection of Low-grade Glioma	Chottiwat TANSIRISITHIKUL
09:45 - 10:00	Surgical Techniques and Strategies for Low-grade Glioma in Malaysia	Vairavan NARAYANAN
10:00 - 10:15	Surgery of Low-grade Glioma - The Technique and the Experience	Jong Hee CHANG
10:15 - 10:30	The Impact of Intraoperative Awake Mapping on Overall Survival and Extent of Resection of Adult Glioma - A Retrospective Propensity Score-matched Analysis: Awake Craniotomy <i>versus</i> Surgery under General Anesthesia for Adult Glioma	Atsushi FUKUI
10:30 - 10:45	Optimizing Signals in Cortico-subcortical Mapping and Monitoring	Ryan P. HAMER
10:45 - 11:00	Panel Discussion & Conclusion	
11:00 - 11:15	Intermission	
<b>Session 5B : Circuit and Molecular Pathways in Neurodevelopmental and Psychiatric Diseases</b>		<b>Webinar B</b>
<i>Chairperson : Jacque P.K. IP</i>		
09:00 - 09:05	Introduction	Jacque P.K. IP
09:05 - 09:50	<b>KEYNOTE LECTURE</b> Visualizing the Rapid and Long-lasting Actions of Drugs in the Brain	Alex C. KWAN
09:50 - 10:20	Low-density Lipoprotein Receptor-related Protein 6 Cell Surface Availability Regulates Fuel Metabolism in Astrocytes	Hei-Man CHOW
10:20 - 10:50	Dissecting the Roles of Synaptic Plasticity in Neurodevelopmental Disorders	Jacque P.K. IP
10:50 - 11:10	Intermission	

## Scientific Programme : Conjoint Congress

16 January 2021 (Saturday)

<b>Session 6A : Low-grade Glioma V - Networking Meeting – Round Table Discussion</b>		<b>Webinar A</b>
<i>Chairpersons : Danny T.M. CHAN &amp; Peter Y.M. WOO</i>		
11:15 - 11:20	Introduction	Danny T.M. CHAN
11:20 - 11:35	Management of Low-grade (II/ III) Glioma in Hong Kong – Strength & Deficit	Peter Y.M. WOO
11:35 - 11:50	Neuropsychological Evaluations for Adult Brain Tumour	Venus Y.H. TANG
11:50 - 12:05	International Adaptation of the Dutch Linguistic Intraoperative Protocol: Experiences and Recommendations	Djaina SATOER
12:05 - 12:20	How Glioma is Managed in Myanmar?	Kyi HLAING
12:20 - 12:35	Management of Low-grade Glioma in Thailand	Sith SATHORNSUMETEE
12:35 – 12:50	Management of Low Grade Glioma in Philippines – The System Gaps and Standard of Care	Gerardo D. LEGASPI
12:50 – 13:05	Management of Low Grade Glioma in Pakistan – The System Gaps and Standard of Care	S. Ather ENAM
13:05 - 13:20	Standard of Care in the Management of Low-grade Glioma in Taiwan	Kuo-Chen WEI
13:20 - 13:35	Panel Discussion & Conclusion	
13:35 – 14:00	Intermission	
<b>Session 6B : Innovative Technologies for Tackling Brain Disorders</b>		<b>Webinar B</b>
<i>Chairperson : Hei-Ming LAI</i>		
11:10 - 11:15	Introduction	Hei-Ming LAI
11:15 - 12:00	<b>KEYNOTE LECTURE</b> Making New Neurons to Replenish Lost Ones in Neurodegenerative Disease	Xiang-Dong FU
12:00 - 12:30	Next-generation High-throughput Three-dimensional Histology Pipeline for Neuropathology	Hei-Ming LAI
12:30 – 14:00	Intermission	
<b>Session 7 : Mr Otto Lien Da Wong Visiting Professorial Lecture in Neuro-oncology</b>		<b>Webinar A</b>
14:00 - 15:00	Recent Advances in Low-grade Glioma Surgery	Hugues DUFFAU
15:00 - 15:15	Closing Remarks	