

# 2017 APPS – Melbourne

## Program

<b>DAY 1 : Friday 20<sup>th</sup> October</b>		
12:00 - 13:00	Registration Opens including poster hanging	
<b>13:00 – 13:10</b>	<b>Opening Remarks</b>	<b>Steven Collins &amp; Katsumi Doh-ura</b>
<b>Keynote Lecture</b> Chairs: Motomasa Tanaka & Kazuo Kuwata		
Time	Presentation Title	Speaker
13:10 – 14:00	Synthetic prions: successes and contentions	Giuseppe Legname
<b>Session 1</b> <b>Theme: Determinants of prion transmission</b> Chairs: Ryuichiro Atarashi & Noriyuki Nishida		
Time	Presentation Title	Speaker
14:00 - 14:20	Understanding the Mechanism of Prion Transmission	Jiyan Ma
14:20 – 14:40	Molecular basis for diversification of yeast prion strain conformation	Motomasa Tanaka
14:40 – 15:00	Mechanisms of intercellular prion transfer by extracellular vesicles	Andrew Hill
15:00 – 15:20	Coffee Break	
<b>Keynote Speaker</b> Chairs: Hidehiro Mizusawa & Victoria Lawson		
Time	Presentation Title	Speaker
15:20 – 16:10	Kinetics of A $\beta$ /PrP <sup>Sc</sup> -amyloid formation and accumulation in subacute Creutzfeldt-Jakob and chronic Alzheimer's disease	Colin Masters
<b>Session 2</b> <b>Theme: Prion-like phenomena and prion pathogenesis</b> Chairs: Nobuo Sanjo & Xiao-Ping Dong		
Time	Presentation Title	Speaker
16:10 – 16:25	Transmission of amyloid beta	Tsuyoshi Hamaguchi
16:25 – 16:40	Control of PrP <sup>Sc</sup> levels by arginine polymers and related peptides	Chongsuk Ryou
16:40 – 16:55	Increased citrullination of myelin basic protein in prion pathogenesis	Eun-Kyoung Choi
16:55 – 17:10	Differential effects of anti-prion treatments highlight differences in the pathogenesis of sporadic and familial forms of prion disease and identifies novel mode of action for pentosan polysulfate	Victoria Lawson
17:10 – 17:25	RT-QuIC of alpha-synuclein	Kazunori Sano
17:25 – 17:40	In vivo acute prion neurotoxicity	Matteo Senesi
17:40 – 18:40	Poster review session – Kenneth Myer Building Foyer	
18:00 – 18:30	APSPR Board member meeting – Level 5 Boardroom	
<b>19:00 – 23:00</b>	<b>Evening function – Melbourne Museum with access to the First Peoples standing exhibition: Bus departing at 18:50 from front of Kenneth Myer Building</b>	

## DAY 2 : Saturday 21<sup>st</sup> October

Session 3-1 Theme: Prion neuropathology and diagnostics		
Chairs: Masahito Yamada & Andrew Hill		
Time	Presentation Title	Speaker
09:00 – 09:15	Pathogenesis and microglial involvement	Motohiro Horiuchi
09:15 – 09:30	Clinicopathology of human prion diseases	Yasushi Iwasaki
09:30 – 09:45	Diagnostic approach for a novel acquired CJD subgroup, acquired CJD-MMiK	Atsushi Kobayashi
09:45 – 10:00	Cerebral organoid models of prion disease	Cathryn Haigh
10:00 – 10:20	Coffee Break	
Session 3-2 Theme: Prion neuropathology and diagnostics		
Chairs: Steven Collins & Katsumi Doh-ura		
Time	Presentation Title	Speaker
10:20 – 10:35	Update on the utility of techniques for CSF biomarkers	Katsuya Sato
10:35 – 10:50	Exosomes as a blood biomarker for CJD	Lesley Cheng
10:50 – 11:05	MRI in the diagnosis of prion diseases	Nicholas Trost
11:05 – 11:10	A global collaboration supporting patients, their families and those at increased risk of developing prion disease.	Suzanne Solvyns
11:10 – 12:05	Poster review session – Kenneth Myer Building Foyer	
12:05 – 13:00	Lunch – Kenneth Myer Building Foyer	
Session 4 Theme: Animal prion diseases		
Chairs: Shirou Mohri & Kevin Keough		
Time	Presentation Title	Speaker
13:00 – 13:20	CWD update	Yoshifumi Iwamaru
13:20 – 13:40	BSE update	Yuichi Matsuura
Poster abstract / Hot Topics Chairs: Naomi Hachiya & Yong-Sun Kim		
Time	Presentation Title	Speaker
13:40 – 13:52	Bovinizated transgenic mouse-passaged CH1641-like scrapie prion shows different properties from both classical and atypical BSE prions	Kohtaro Miyazawa
13:52 – 14:04	Ultra-efficient Amplification of Abnormal Prion Protein by Modified Protein Misfolding Cyclic Amplification with Electric Current	Jeong-Ho Park
14:04 – 14:16	Regulation of RhoA activity by the cellular prion protein.	Hee-Jun Kim
14:16 – 14:28	Analysis of clinical features of patients with lower limb muscle weakness in GSS with P102L mutation	Fumiko Furukawa
14:28 – 14:40	The origin of <i>de novo</i> prions formed during PMCA	Simon Drew
14:40 – 14:55	<b>Prizes/awards - farewell address - announcement of APPS 2018</b>	Steven Collins & Naomi Hachiya
14:55 – 15:10	<b>APSPR General Assembly</b>	