

# APPS 2013 Program

## Day 1: Sunday July 21

- 11:30            Doors Open
- 12:30 – 12:40    Opening address by Susumu Shirabe (Nagasaki Univ.)
- 12:40 – 13:30    Keynote Lecture 1 Chair: Noriyuki Nishida (Nagasaki Univ.)  
David A. Harris (Boston Univ.)  
**THE CELLULAR PRION PROTEIN:  
A RECEPTOR FOR NEUROTOXIC PROTEIN OLIGOMERS**
- 13:30 – 14:20    Keynote Lecture 2 Chair: Suehiro Sakaguchi (Univ. of Tokushima)  
Joaquín Castilla (CIC bioGUNE)  
**Recombinant prions. A new method for studying prions**
- 14:20 – 14:40    Coffee break
- 14:40 – 15:30    Oral Presentation of Selected Posters (1)  
*(Presentation & Audience participation: 10 min per person)*  
Chair: Ryuichiro Atarashi (Nagasaki Univ.)
1. Yasushi Iwasaki (Aichi Medical Univ.), Poster 13  
**Neuropathological investigation of the olfactory bulb and olfactory tract in sporadic Creutzfeldt-Jakob disease**
  2. Yun-Jung Lee (Hallym Univ.), Poster 41  
**Defining Korean Creutzfeldt-Jakob disease strains and their transmissible properties**
  3. Hanae Takatsuki (Nagasaki Univ.), Poster 42  
**Quantitative analysis of seeding activity in human prion disease materials using end-point RT-QUIC**
  4. Motohiro Horiuchi (Hokkaido Univ.), Poster 12  
**Analysis of microglial activation state in brains of prion-infected mice**
  5. Suehiro Sakaguchi (Univ. of Tokushima), Poster 24  
**Prions impair post-Golgi trafficking of membrane proteins**

- 15:30 – 17:00 Round Table 1: Diagnosis of Prion diseases  
(*Presentation & Audience participation: 30 min per person*)  
Chairs: Steven John Collins (Univ. of Melbourne)  
&  
Yong Sun Kim (Hallym Univ.)
1. Alison J. E. Green (Univ. of Edinburgh)  
**Cerebrospinal fluid RT-QuIC in the diagnosis of sporadic Creutzfeldt-Jakob disease**
  2. Makoto Sasaki (Iwate Medical Univ.)  
**Current concepts in MR imaging of prion diseases**
  3. Nobuyuki Okamura (Tohoku Univ.)  
**Imaging prion and other misfolded protein deposits using PET**
- 17:00 – 18:30 Poster Session
- 18:00 – 18:30 Executive APSPR Committee Meeting
- 19:00 – Dinner, Hotel Europe (Rembrandt Hall)

## Day 2: Monday July 22

- 8:00 – 8:50 Oral Presentation of Selected Posters (2)  
(Presentation & Audience participation: 10 min per person)  
Chair: Motohiro Horiuchi (Hokkaido Univ.)
1. Shigeo Fukuda (Hokkaido Animal Research Center), Poster 5  
**Detection specificity of salivary BSE PrP<sup>Sc</sup> by PMCA**
  2. Takehiro Nakagaki (Nagasaki Univ.), Poster 23  
**FK506 reduces abnormal prion protein through the activation of autolysosomal degradation and prolongs survival in prion-infected mice**
  3. Yuji Sakasegawa (Tohoku Univ.), Poster 25  
**Glycerol enhances the PrPres production via a PI3K signaling pathway in prion-infected neuroblastoma cells**
  4. Genjiro Suzuki (RIKEN), Poster 32  
**The mechanism of asymmetric distribution of prion proteins in the yeast cell**
  5. Hideki Taguchi (Tokyo Institute of Technology), Poster 34  
**Mechanism underlying difference between transmissible prions and nontransmissible amyloids**
- 8:50 – 10:05 Special Symposium on non-prion amyloid  
(Presentation & Audience participation: 25 min per person)  
Chair: Motomasa Tanaka (RIKEN)
1. Yuji Goto (Osaka Univ.)  
**Toward a comprehensive understanding of protein folding and misfolding**
  2. Keiichi Higuchi (Shinshu Univ.)  
**Prion-like transmission of systemic amyloidoses**
  3. Tsuyoshi Hamaguchi (Kanazawa Univ.)  
**Propagation of cerebral  $\beta$ -amyloidosis**
- 10:05 – 10:30 Poster Session and Coffee break
- 10:30 – 11:00 APSPR General Assembly

- 11:00 – 12:15 Round Table 2: Prospective Drug discovery in prion  
(*Presentation & Audience participation: 25 min per person*)  
Chairs: Hidehiro Mizusawa (Tokyo Medical and Dental Univ.)  
&  
Masahito Yamada (Kanazawa Univ.)
1. Katsumi Doh-ura (Tohoku Univ.)  
**Drug discovery for prion diseases: dream and reality**
  2. Kazuo Kuwata (Gifu Univ.)  
**Medical chaperone- a novel strategy for the logical drug design for prion diseases**
  3. Tsuyoshi Hamada (Nagasaki Univ.)  
**in silico screening on DEGIMA supercomputer**
- 12:15 – 12:30 Awarding Ceremony by Yong-Sun Kim & Noriyuki Nishida
- 12:30 – 12:40 Closing Remarks by Susumu Shirabe