

## The 28th International Kumamoto Medical Bioscience Symposium

“The Progress in Neuroscience for Novel Neurological Therapeutics.”

**【November 15th (Thursday)】**

**Session 1: Schizophrenia (9:00–12:00)**

**Chairperson: Prof. Nobuaki Tamamaki**

1. **Toshitaka Nabeshima** (Meijo University, Japan)

“Animal Model of Schizophrenia Induced by Phencyclidine”

2. **Akira Sawa** (Johns Hopkins University School of Medicine, USA)

“Roles for oxidative stress and inflammation in the pathological trajectory”

3. **Nobuaki Tamamaki** (Kumamoto University, Japan)

“Adult neurogenesis in the neocortex ”

**Lunch time (12:00~13:00)**

**Session 2: Visual system (13:00–15:00)**

**Chairpersons: Prof. Hidenobu Tanihara**

1. **Yoshiki Sasai** (RIKEN CDB, Japan)

“Self-organization of neural structures in 3D ES cell culture”

2. **Masayo Takahashi** (RIKEN CDB, Japan)

“Application of iPS cells for retinal degenerative diseases”

**Coffee break (15:00–15:30)**

**Session 3: Basal ganglia (15:30–17:30)**

**Chairperson: Prof. Takaichi Fukuda**

1. **Hitoshi Kita** (Univ. of Tennessee, USA)

“Signal transfer across the cortico-basal ganglia”

2. **Kazuyoshi Yamada** (Kumamoto University, Japan)

“ Deep brain stimulation for movement disorders”

**【November 16th (Friday)】**

**Session 4: Alzheimer's disease (9:00–12:00)**

**Chairperson: Prof Manabu Ikeda**

**1. Masatoshi Takeda** (Osaka University, Japan)

“undecided”

**2. Bart de Strooper** (VIB, Belgium)

“undecided”

**3. Manabu Ikeda** (Kumamoto University, Japan)

“undecided”

**Lunch time (12:00~13:00)**

**Session 5: Auditory system (inner ear) (13:00–15:00)**

**Chairperson: Prof. Eiji Yumoto**

**1. Yehoash Raphael** (Michigan University, USA)

“Novel Approaches for Treating Severe Hearing and Balance Deficits”

**2. Juichi Ito** (Kyoto University, Japan)

“Regeneration medicine for inner ear diseases”

**Coffee break (15:00–15:30)**

**Session 6: Auditory system (auditory cortex) (15:30–17:30)**

**Chairperson: Prof. Wen-Jie Song**

**1. Takao Hensch** (Harvard University, USA)

“Shaping neural circuits by early experience”

**2. Hiroshi Riquimaroux** (Doshisha University, Japan)

“Plasticity and efficiently lazy signal processing in the centralnervous system”

Symposium homepage:

<http://srv02.medic.kumamoto-u.ac.jp/dept/morneuro/28th.html>