

## **ISN symposium on “Axon homeostasis and diseases”**

**Organizer: Hiroshi Kiyama (Osaka City Univ., Osaka Japan)**

### **The content of symposium:**

This symposium will focus on recent advances and novel concepts in mechanisms underlying axonal homeostasis and its dysfunction. As described above, this is one of the major areas of basic neurochemistry and neural cell biology which is directly connected to clinical research. The symposium will include 4 distinguished speakers in this field and will provide attendees with the state-of-the-art understanding on neuron-glia interaction for axon maintenance, role of mitochondria in axon stability, significance of axonal transport for axon homeostasis, failure of axon homeostasis leading to axon degeneration, and so on. Also plenty of time will be arranged for the attendees to discuss with speakers in the session as well as after sessions.

### **Presentators and titles**

**Michael Coleman** (The Babraham Institute, Cambridge, UK)

Molecular regulation of Wallerian degeneration of axons

**Kozo Kaibuchi** (Nagoya University Graduate School of Medicine, Japan)

Axon formation and polarized transport

**Zu-Hang Sheng** (NINDS, NIH, USA)

Control of axonal mitochondrial mobility and its impact on axonal homeostasis and degeneration

**Anthony Brown** (Ohio State University, Columbus, USA)

Transport and assembly dynamics of axonal neurofilaments

### **About ISN symposium**

The ISN Conference Committee (ISN-CC) provides financial support for the organization of small conferences on specialised neurochemical topics and sponsors neurochemistry symposia within meetings of other scientific societies or groups. Applications are examined by the ISN-CC and are granted on a competitive basis according to the guidelines. The present ISN symposium entitled “axon homeostasis and diseases” has been selected by the ISN-CC and supported by ISN.