

## **Mini-Symposia**

- 1. Clinical anatomy (ISCAA)**
- 2. Terminology (FIPAT)**
- 3. Experimental morphology (European Federation for Experimental Morphology)**
- 4. Spinal cord injury: Practice in regenerative medicine and transplantational research (Symposium of Chinese Society of Anatomical Sciences)**
- 5. Visualization of the cellular mechanism by modern microscopy (Japanese Delegates of ISMS)**
- 6. Interaction between tumor and microenvironment (Symposium of Chinese Society of Anatomical Sciences)**
- 7. Functional neural circuits related to disorders of the central nervous system (Symposium of Chinese Society of Anatomical Sciences)**

## **Program of Symposia**

### **1. Clinical anatomy (International Symposium on Clinical and Applied Anatomy)**

**July 6, 11.00, Great hall (floor P)**

**Chairperson:** Georg Feigl, Institute of Anatomy, Medical University Graz, Austria

(1) **Speaker No. 1:** Georg Feigl, Institute of Anatomy, Medical University Graz, Austria

**Topic:** Posterior femoral cutaneous nerve at the leg: surprising facts with great consequences!

(2) **Speaker No. 2:** Marko Korschake, Division of Clinical and Functional Anatomy, Department for Anatomy, Histology and Embryology; Medical University of Innsbruck, Austria

**Topic:** Modern, Translational, Clinical Anatomy in the 21st century revisited

(3) **Speaker No. 3:** Nihal Apaydin, Ankara University Faculty of Medicine, Department of Anatomy, Ankara, Turkey

**Topic:** Anatomical landmarks used to prevent iatrogenic injuries in hip surgery

(4) **Speaker No. 4:** Ayhan Cömert, Department of Anatomy, Ankara University Faculty of Medicine, Ankara, Turkey

**Topic:** Surgical neuroanatomy of the middle cerebral artery

### **2. Terminology (Federative International Programme on Anatomical Terminology)**

**July 6, 14.00, Great hall (floor P)**

**Chairpersons:** Hans ten Donkelaar, Secretary for Communication, FIPAT, Department of Neurology and Donders Center for Neuroscience, Radboud University Nijmegen

Medical Center, The Netherlands; and David Kachlík, Department of Anatomy, Second Faculty of Medicine, Charles University, Prague, Czech Republic

(1) **Speaker No. 1:** Hans ten Donkelaar, Department of Neurology and Donders Centre for Neuroscience, Radboud University Medical Centre, Nijmegen, The Netherlands

**Topic:** Towards a Terminologia Neuroanatomica: New developments in neuroanatomical terminology

(2) **Speaker No. 2:** Erin Hutchinson, School of Anatomical Sciences, Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, South Africa

**Topic:** The Terminologia Anthropologica: A formal terminology for anthropologists

(3) **Speaker No. 3:** Christoph Viebahn, Institute of Anatomy and Embryology, Georg-August University Göttingen, Germany

**Topic:** Terminologia Embryologica – Quo Vadis?

(4) **Speaker No. 4:** Ivan Varga, Institute of Histology and Embryology, Faculty of Medicine, Comenius University in Bratislava, Slovakia

**Topic:** The Terminologia histologica after 10 years – personal notes and proposals

(5) **Speaker No. 5:** David Kachlík, Department of Anatomy, Second Faculty of Medicine, Charles University, Prague, Czech Republic

**Topic:** An updated terminology for the sensory organs

### **3. Experimental morphology (European Federation for Experimental Morphology)**

**July 7, 8.30, Great hall (floor P)**

**Chairperson:** Diogo Pais, Anatomy Department, Nova Medical School, Portugal; and José Luis Bueno-López, Department of Neurosciences, School of Medicine and Nursing, The University of the Basque Country (UPV/EHU), Leioa, Spain

(1) **Speaker No. 1:** Friedrich Paulsen, Institute of Anatomy, Friedrich-Alexander-University Erlangen-Nürnberg (FAU), Erlangen, Germany

**Topic:** SFTA3 – a new surfactant protein – is part of the tear film, lowers surface tension and accelerates corneal wound healing

(2) **Speaker No. 2:** David Ceri Davies, Human Anatomy Unit, Department of Surgery and Cancer, Imperial College London, UK

**Topic:** The effect of caecal ligation and puncture induced sepsis on cortical synapses in the rat.

(3) **Speaker No. 3:** José Luis Bueno-López, Department of Neurosciences, School of Medicine and Nursing, The University of the Basque Country (UPV/EHU), Leioa, Spain

**Topic:** Neurons with spiny dendrites and reverse dendritic orientation in the cerebral cortex: their morphology, location, connectivity, and other parameters that make them unique among cortical spiny neurons

(4) **Speaker No. 4:** Ivan Varga, Institute of Histology and Embryology, Faculty of Medicine, Comenius University in Bratislava, Slovakia

**Topic:** Recently discovered interstitial connecting cells “Telocytes” – myth or reality?

(5) **Speaker No. 5:** Diogo Pais, Anatomy Department, Nova Medical School, Portugal  
**Topic:** In depth morphological characterization of the vessels of the abdominal wall of the rat contributed a better understanding of the physiology of unconventional perfusion flaps

#### **4. Spinal cord injury: Practice in regenerative medicine and transplantational research (Symposium of Chinese Society of Anatomical Sciences)**

**July 7, 8.30, Hall SP2 (floor SP)**

**Chairperson:** Ting-Hua Wang, Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu, China

(1) **Speaker No. 1:** Ting-Hua Wang, Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu, China

**Topic:** Effect of governor vessel electro-acupuncture on spinal cord axonal regeneration and underlying mechanism

(2) **Speaker No. 2:** Yang Xu, Department of Anesthesiology, Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu, China

**Topic:** Elf5a promotes injured spinal cord repair via complexin/ $\gamma$ -actin signal

(3) **Speaker No. 3:** Liu-Lin Xiong, Department of Anesthesiology, Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu, China

**Topic:** Role of vof16-miR185-5p-GAP43 network in the repair of transected spinal cord.

(4) **Speaker No. 4:** Fei Liu, Department of Anesthesiology, Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu, China

**Topic:** Administration of Panax Notoginseng Saponins improves spinal cord injury via DPYSL2 regulating neural stem cells differentiation

## **5. Visualization of the cellular mechanism by modern microscopy (Japanese Delegates of ISMS)**

**July 7, 11.00, Great hall (floor P)**

**Chairperson:** Tatsuo Ushiki, Division of Microscopic Anatomy, Graduate School of Medical and Dental Sciences, Niigata University, Japan

(1) **Speaker No. 1:** Tatsuo Ushiki, Division of Microscopic Anatomy, Graduate School of Medical and Dental Sciences, Niigata University, Japan

**Topic:** Scanning ion conductance microscopy for cell and tissue research

(2) **Speaker No. 2:** Satoshi Waguri, Department of Anatomy and Histology, Fukushima Medical University, School of Medicine, Fukushima, Japan

**Topic:** Morphological analyses on stress-induced selective autophagy

(3) **Speaker No. 3:** Yasuyuki Sasano, Division of Craniofacial Development and Regeneration, Tohoku University Graduate School of Dentistry, Sendai, Japan

**Topic:** Biomineralization imaging of bone development and healing by analytical electron microscopy

(4) **Speaker No. 4:** Hiroyuki Yaginuma, Department of Neuroanatomy and Embryology, Fukushima Medical University School of Medicine, Fukushima, Japan

**Topic:** Mechanisms of motoneuron death in the developing cervical spinal cord

## **6. Interaction between tumor and microenvironment (Symposium of Chinese Society of Anatomical Sciences)**

**July 7, 11.00, Hall SP2 (floor SP)**

**Chairperson:** Hongquan Zhang, Professor and Head, Department of Anatomy, Histology and Embryology, Peking University Health Science Center, Beijing, China

(1) **Speaker No. 1:** Hongquan Zhang, Professor and Head, Department of Anatomy, Histology and Embryology, Peking University Health Science Center, Beijing, China

**Topic:** Role of Novel integrin-interacting protein in cancer cell invasion and metastasis

(2) **Speaker No. 2:** Chunmin Liang, Professor  
Department of Anatomy, Histology and Embryology, Fudan University Shanghai Medical School, Shanghai, China

**Topic:** CCR7 high expression leads to Cetuximab resistance by cross-talking with EGFR

(3) **Speaker No. 3:** Zhengquan Yu, Beijing Advanced Innovation Center for Food Nutrition and Human Health and State Key Laboratories for Agrobiotechnology, College of Biological Sciences, China Agricultural University, Beijing, China  
**Topic:** Stress responsive miR-31 is a major modulator of mouse intestinal stem cells during regeneration and tumorigenesis.

(4) **Speaker No. 4:** Jun Zhan, Department of Anatomy, Histology and Embryology, Peking University Health Science Center, Beijing, China  
**Topic:** HOXB family transcription factors and cancer progression.

## **7. Functional neural circuits related to disorders of the central nervous system (Symposium of Chinese Society of Anatomical Sciences)**

**July 7, 14.00, Great hall (floor P)**

**Chairperson:** Yun-Qing Li, Professor, Department of Anatomy and KK Leung Brain Research Centre, School of Basic Medical Sciences, The Fourth Military Medical University, Xi'an, China

(1) **Speaker No. 1:** Guo-He Tan, Department of Human Anatomy, Guangxi Key Laboratory of Regenerative Medicine & Guangxi Collaborative Innovation Center of Biomedicine, Guangxi Medical University, Nanning, China  
**Topic:** Novel cerebellar circuitry mechanisms of limbic epilepsy and paroxysmal kinesigenic dyskinesia.

(2) **Speaker No. 2:** Ruixi Lee, Department of Anatomy, Histology and Embryology, School of Basic Medical Sciences, Fudan University Shanghai Medical College, Shanghai, China  
**Topic:** Whole-brain monosynaptic afferents to adenosine A<sub>2A</sub> receptor neurons in nucleus accumbens core mediating sleep regulation.

(3) **Speaker No. 3:** Jun-Hao Yan, Department of Anatomy and Histology, School of Basic Medical Sciences, Peking University, Beijing, China  
**Topic:** The role of aquaporin-4 in the impairment of interstitial fluid drainage system in the brain following subarachnoid haemorrhage

(4) **Speaker No. 4:** Yun-Qing Li, Professor, Department of Anatomy and KK Leung Brain Research Centre, School of Basic Medical Sciences, The Fourth Military Medical University, Xi'an, China  
**Topic:** Indirect pathway from thalamus to midbrain facilitating neuropathic pain.