

SCIENTIFIC PROGRAMME

Explanatory notes:

L1 – L3	invited opening lectures
S1 – S30	invited lectures presented in mini-symposia
O1 – O73	free oral presentations, time for presentation: 10 min. + 5 min. for discussion
P1 – P166	e-posters, time for presentation and discussion: 4 min.

THURSDAY, JULY 5

10.00–17.00 **REGISTRATION**

9.00–15.00 **IFAA BOARD MEETING**

FRIDAY, JULY 6

Great hall (floor P)

8.30 **OPENING CEREMONY**

8.45–10.30 **OPENING LECTURES**

Moderator: Báča Václav

- L1. **History of the Czech morphology**
Kachlák David (Czech Republic)
- L2. **Historical evaluation of implanted biomaterials**
Tonar Zbyněk, Kubíková T, Bartoš M, Jiřík M, Suchý T, Horáková J, Hubálek Kalbáčová M (Czech Republic)
- L3. **EFEM lecture: Desmogleins as signaling hubs regulating cell cohesion and tissue/organ function in skin and heart**
Waschke Jens (Germany)

NEW

EFEM lecture: Desmogleins as signaling hubs regulating cell cohesion and tissue/organ function in skin and heart

Waschke Jens (Germany)

10.30–11.00 **COFFEE BREAK**

10.40–11.00 E-POSTER SESSION 1

STAND 1: MORPHOLOGY (P1 – P5)

STAND 2: MOLECULAR AND CELL BIOLOGY (P24 – P28)

STAND 3: ANATOMY (P47 – P51)

STAND 4: CLINICAL AND SURGICAL ANATOMY (P72 – P76)

STAND 5: NEUROSCIENCE (P95 – P99)

STAND 6: ANTHROPOLOGY (P118 – P122)

STAND 7: IMAGING (P146 – P149)

Great hall (floor P)

11.00–12.45 MINI-SYMPOSIUM 1 – CLINICAL ANATOMY (INTERNATIONAL SYMPOSIUM ON CLINICAL AND APPLIED ANATOMY)

Moderator: Feigl Georg, Institute of Anatomy, Medical University Graz, (Austria)

S1. **Posterior femoral cutaneous nerve at the leg: Surprising facts with great consequences!**

Feigl Georg

Institute of Anatomy, Medical University Graz, Austria

Feigl G, Schmid M, Avila Gonzalves C, Litz R (Austria, Germany)

S2. **Modern Translational, Clinical Anatomy in the 21st century revisited**

Konschake Marko

Division of Clinical and Functional Anatomy, Department for Anatomy, Histology and Embryology, Medical University of Innsbruck (Austria)

S3. **Anatomical landmarks used to prevent iatrogenic injuries in hip surgery**

Apaydin Nihal

Ankara University Faculty of Medicine, Department of Anatomy, Ankara (Turkey)

change

Some tools for clinical anatomy teaching

Báča Václav

Czech Republic

S4. **Surgical neuroanatomy of the middle cerebral artery**

Cömert Ayhan

Department of Anatomy, Ankara University Faculty of Medicine, Ankara (Turkey)

Great hall (floor P)

12.45–13.00 SPONSORED PRESENTATION (ELSEVIER)

Small hall left (floor S1)

11.00–13.00 FREE PRESENTATIONS 1 – NEUROSCIENCE 1

Moderators: *Chung Beom Sun, Jameie Seyed Behnamedin*

01. **Whole course of pallidothalamic tract identified on the sectioned images and 3D models of Visible Korean**
Chung Beom Sun, Chung MS, Park JS (Republic of Korea)
02. **The structure and functions of the claustrum**
Druga Rastislav (Czech Republic)
03. **The effects of Deltamethrin and Syringic acid on brainstem evoked auditory potentials**
Akcay Guven, Ogut E, Tas G, Kiyamaz KZ, Sati L, Yildirim FB, Derin N (Turkey)
04. **Marchiafava-Bignami disease in a non-alcoholic patient with drug addiction**
Arslan Harun (Turkey)
05. **FNDC5 expression in Purkinje neurons of adult male rats with acute spinal cord injury following treatment with methylprednisolone**
Hassanzadeh S, Jameie Seyed Behnamedin, Mehdizadeh M, Soleimani M, Namjoo Z, Soleimani M (Iran)
06. **Protective effects of mesenchymal stem cells overexpressing extracellular regulating kinase1/2 against stroke in rats**
Gao N, Dou N, Zhang N, Huang N, Zeng N, Zhang N, Yang N, Yuan Quionglan (China)
07. **Effects of Coenzyme Q10 on the level of TNF- α , IL-10 cytokines and Bax/Bcl2 ratio in menopausal rat model following lumbar spinal cord injury**
Soleimani Maryam, Jameie SB (Iran)
08. **Comparison of the inhibitory cortical system in the transitory neo-alloccortical regions**
Salaj Martin, Druga R, Kubová H, Barinka F (Czech Republic)

Small hall right (floor S1)

11.00–13.00 FREE PRESENTATIONS 2 – MOLECULAR AND CELL BIOLOGY 1

Moderators: *Madekurozwa Mary Cathrine, Arslan Ayse*

09. **T372C polymorphism of the tissue inhibitors of metalloproteinases-1 and colorectal cancer outcome in Iran**
Aghajany Nasab Monireh, Rostami M, Habibipour R, Mansour-Ghanaei F, Bidmeshkipour A (Iran)
010. **Evaluation of lipid peroxidation and some antioxidant activities in patients with primary and metastatic liver cancer**
Arslan Ayse (Turkey)

011. **TNF-alpha G/A308 polymorphism association with polyps in north part of Iran**
Faghani Masoumeh, Keshavars P, Nemati S, Pourgholamali B, Moharami F, Sharafshah AR (Iran)
012. **Demethylation of OY-TES-1 promoter upregulate its protein expression and increased OY-TES-1-specific cytotoxicity of CTL against hepatocellular carcinoma cells**
Ge Ying-ying, Zhang QM, Luo B, Chen F, Li CM, Li XS, Fu J, Liu C, Wu HX, Xiao SW, Xie XX (China)
013. **The regulatory impact of methylation and transcription factor SP1 on OY-TES-1 promoter in hepatocellular carcinoma cells**
Ge Ying-ying, Luo B, Zhang QM, Chen F, Shi L, Fu J, Li XS, Liu C, Wu HX, Xiao SW, Xie XX (China)
014. **Expression and significance of CXC chemokine ligand 3 in renal cell carcinoma tissues**
Qi Ya Ling, Zhao WJ, Wang WQ, Li Y, Lan YH (China)
015. **Cell death in the shell gland of the domestic fowl (*gallus domesticus*)**
Madekurozwa Mary Cathrine, Mpango MM (South Africa)

Hall SP1 (floor SP)

11.00–13.00 EFEM COUNCIL MEETING

13.00–14.00 LUNCH
 EFEM BOARD BUSINESS LUNCH

13.40–14.00 E-POSTER SESSION 2

STAND 1: MORPHOLOGY (P6 – P10)

STAND 2: HISTOLOGY (P29 – P33)

STAND 3: ANATOMY (P52 – P56)

STAND 4: CLINICAL AND SURGICAL ANATOMY (P77 – P81)

STAND 5: NEUROSCIENCE (P100 – P104)

STAND 6: ANTHROPOLOGY (P123 – P127)

STAND 7: IMAGING (P150 – P153)

Great hall (floor P)

14.00–16.00 **MINI-SYMPOSIUM 2 – TERMINOLOGY (FEDERATIVE INTERNATIONAL PROGRAMME ON ANATOMICAL TERMINOLOGY)**

Moderators: ten Donkelaar Hans (Secretary for Communication, FIPAT, Department of Neurology and Donders Center for Neuroscience, Radboud University Nijmegen Medical Center, The Netherlands), Kachlík David (Department of Anatomy, Second Faculty of Medicine, Charles University, Prague, Czech Republic)

S5. **Towards a Terminologia Neuroanatomica: New developments in neuroanatomical terminology**

ten Donkelaar Hans

Department of Neurology and Donders Centre for Neuroscience, Radboud University Medical Centre, Nijmegen (The Netherlands)

S6. **The Terminologia Anthropologica: A formal terminology for anthropologists**

Hutchinson Erin

School of Anatomical Sciences, Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, South Africa

Hutchinson E, Kramer B (South Africa)

S7. **Terminologia Embryologica – Quo Vadis?**

Viebahn Christoph

Institute of Anatomy and Embryology, Georg-August University Göttingen, (Germany)

S8. **The Terminologia histologica after 10 years – personal notes and proposals**

Varga Ivan

Institute of Histology and Embryology, Faculty of Medicine, Comenius University in Bratislava, Slovakia

Varga I, Blankova A, Konarik M, Baca V, Dvorakova V, Musil V (Slovakia, Czech Republic)

S9. **An updated terminology for the sensory organs**

Kachlík David

Department of Anatomy, Second Faculty of Medicine, Charles University, Prague, Czech Republic

Kachlík D, Broman J, Tubbs RS, Baud R, ten Donkelaar HJ

Czech Republic, Sweden, USA, Switzerland, The Netherlands

Small hall left (floor S1)

14.00–16.00 FREE PRESENTATIONS 3 – NEUROSCIENCE 2

Moderators: Filipović Branislav, Pauza Dainius Haroldas

016. **Optophysiology in epileptology research – calcium and voltage imaging brings cell type specific activity data with millisecond time resolution and subcellular spatial resolution in vivo**
Novak Ondrej, Kachlik D, Krsek P, Marusic P, Otahal J, Jiruska P (Czech Republic)
017. **Fractionated irradiation-induced metabolic and histopathological changes in the brain and plasma of rats**
Bálenťová-Soňa, Hnilicová P, Kalenská D, Baranovičová E, Murín P, Bittšanský M, Hajtmanová E, Lehotský J, Adamkov M (Slovakia)
018. **Synchronous sensory cortical processing from ipsilateral and contralateral basal forebrain projections: An anatomical and physiological study in transgenic mice**
Chaves-Coira Irene, Rodrigo-Angulo ML, Nuñez A (Spain)
019. **Are religious people less prone to hypnosis? Brain partially answers**
Filipović Branislav R, Filipović BF (Serbia)
020. **Calcitonin gene-related peptide containing neurons activate nitroergic and VIPergic neurons within myenteric and submucosal plexuses in diverticular disease**
Lukosiene Jaune, Pauza A, Pauziene N, Rysevaite-Kyguoliene K, Kupcinskas J, Saladzinskas Z, Tamelis A (Lithuania)
021. **Investigation of possible protective role of syringic acid on hippocampus after chronic deltamethrin exposure**
Ogut Eren, Sekerci R, Akcay G, Yildirim FB, Derin N, Satı L, Aslan M (Turkey)
022. **Possible origin of nitroergic cardiac innervation**
Navickaite I, Gedminas L, Pauziene N, Pauza Dainius Haroldas (Lithuania)
023. **Ultrastructural remodeling of the myenteric nerve plexus in diverticular disease**
Pauziene Neringa, Alaburda A, Lukosiene J, Tamelis A (Lithuania)
073. **Rno-mir-124-3p negatively regulates slc16a1 in the brain tissue of rats with acute permanent cerebral ischemia**
Xu S, Sun Shanquan (China)

Small hall right (floor S1)

14.00–16.00 FREE PRESENTATIONS 4 – DEVELOPMENTAL BIOLOGY, EMBRYOLOGY AND ANTHROPOLOGY

Moderators: Palmerini Maria Grazia, Buchtová Marcela

- 024. Sprouty2-deficient mice exhibit craniofacial and skeletal malformations resembling ciliopathies**
Buchtova Marcela, Hrubá E, Dalecká L, Hovoráková M, Kavková M, Zikmund T, Kaiser J (Czech Republic)
- 025. PI3K/AKT/PTEN pathway is involved in motility loss associated with prohibitin downregulation in sperm from infertile men**
Chen Hong, Chai RR, Chen GW, O WS (China)
- 026. Effect of different oxygen concentration on preimplantation mouse embryo: An ultrastructural study of mitochondrial damage**
Belli M, Palmerini Maria Grazia, Zhang L, Liu X, Donjacour A, Ruggeri E, Nottola SA, Rinaudo P, Macchiarelli G (Italy)
- 027. BRE gene is involved in mouse ovarian follicle development and atresia**
Wang G, Yeung CK, Yang Xuesong (China)
- 028. Topological variability and sex differences in fingerprint ridge density in a sample of the Sudanese population**
Ahmed Altayeb Abdalla, Osman S (Saudi Arabia)
- 029. Changes in intracranial volume and cranial shape in modern Koreans over four decades**
Kim YS, Park IS, Kim HJ, Kim D, Lee NJ, Rhyu Im Joo (South Korea)
- 030. Relationship between prevalence of palmaris longus muscle and handedness in women presenting for routine obstetric ultrasonography at Isth Irrua, Nigeria**
Ujaddughe Moses Oriasotie, Anyanwu LC, Abubakar MM (Nigeria)
- 031. Neck circumference: A reliable and cost-effective obesity indicator for developing countries**
Hasan Tabinda, Hasan D (Saudi Arabia)
- 032. Sectioned images of Rhesus monkey whole body**
Park Jin Seo (South Korea)

Hall SP1 (floor SP)

- 15.00 MEET AND GREET: THE EFEM TEAM
- 16.00–16.20 E-POSTER SESSION 3
- STAND 1: MORPHOLOGY (P11 – P15)
- STAND 2: HISTOLOGY (P34 – P38)
- STAND 3: ANATOMY (P57 – P61)
- STAND 4: CLINICAL AND SURGICAL ANATOMY (P82 – P86)
- STAND 5: NEUROSCIENCE (P105 – P108)
- STAND 6: DEVELOPMENTAL BIOLOGY AND EMBRYOLOGY (P128 – P135)
- STAND 7: IMAGING (P154 – P157)

SATURDAY, JULY 7

Great hall (floor P)

- 8.30–10.30 **MINI-SYMPOSIUM 3 – EXPERIMENTAL MORPHOLOGY (EUROPEAN FEDERATION FOR EXPERIMENTAL MORPHOLOGY)**
Moderators: Pais Diogo (Anatomy Department, Nova Medical School, Portugal), Bueno-López José Luis (Department of Neurosciences, School of Medicine and Nursing, The University of the Basque Country (UPV/EHU), Leioa, Spain)
- S10. **SFTA3 – a new surfactant protein – is part of the tear film, lowers surface tension and accelerates corneal wound healing**
Paulsen Friedrich
Institute of Anatomy, Friedrich-Alexander-University Erlangen-Nürnberg (FAU), Erlangen, (Germany)
Paulsen F, Schicht M, Schröder M, Hartjen N, Beileke S, Garreis F, Jacobi C, Holland D, Bräuer L (Germany)
- S11. **The effect of caecal ligation and puncture induced sepsis on cortical synapses in the rat**
Davies David Ceri
Human Anatomy Unit, Department of Surgery and Cancer, Imperial College London (UK)
Davies DC, Brooks HF (UK)

- S12. 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**

Bueno-López José Luis

Department of Neurosciences, School of Medicine and Nursing, The University of the Basque Country (UPV/EHU), Leioa (Spain)

Bueno-López JL, Reblet C (Spain)

- S13. Recently discovered interstitial connecting cells “Telocytes” – myth or reality?**

Varga Ivan

Institute of Histology and Embryology, Faculty of Medicine, Comenius University in Bratislava, Slovakia

Varga I, Kachlik D, Klein M, Galfiova P, Polak S (Slovakia, Czech Republic)

- S14. 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**

Pais Diogo

Anatomy Department, Nova Medical School (Portugal)

Pais D, Casal D (Portugal)

Hall SP2 (floor SP)

8.30–10.30

MINI-SYMPOSIUM 4 – SPINAL CORD INJURY: PRACTICE IN REGENERATIVE MEDICINE AND TRANSPLANTATIONAL RESEARCH (CHINESE SOCIETY OF ANATOMICAL SCIENCES)

Moderator: Wang Ting-Hua (Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu, China)

- S15. Effect of governor vessel electro-acupuncture on spinal cord axonal regeneration and underlying mechanism**

Wang Ting-Hua

Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu (China)

- S16. Elf5a promotes injured spinal cord repair via complexin/γ-actin signal**

Xu Yang

Department of Anesthesiology, Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu, China
Xu Y, Liu J, Wang TH (China)

- S17. Role of vof16-miR185-5p-GAP43 network in the repair of transected spinal cord**

Xiong Liu-Lin

Department of Anesthesiology, Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu (China)
Xiong LL, Hu Y, Liu J, Xia QJ, Wang TH (China)

S18. Administration of Panax Notoginseng Saponins improves spinal cord injury via DPYSL2 regulating neural stem cells differentiation

Liu Fei

*Department of Anesthesiology, Institute of Neurological Disease, Translational Neuroscience Center, West China Hospital, Sichuan University, Chengdu (China)
Liu F, Qiu DL (China)*

Small hall left (floor S1)

8.30–10.30 FREE PRESENTATIONS 5 – ANATOMY

Moderators: Dgebuadze Maia, Le Floch-Prigent Patrice

033. Examining the superficial veins in the dorsal region of the hand

Oztürk Derya, Emre E, Akkoc RF, Ogetürk M (Turkey)

034. Architecture of structures in the urogenital triangle of young adult males: Comparison with females

Wu Yi, Lamers WH, Zhang S (China)

035. Evaluation of internal acoustic meatus in relation to gender, body side and age: A CT study

Özer CM, Atalar Kerem, Güneçli S, Barut Ç (Turkey)

036. A morphometric analysis of the shape, position, number and size of mental foramen in dry human mandibles

Nadeem Gulrez (United Arab Emirates)

037. Morpho-functional evaluation of the symmetry-asymmetry condition of “live” and autopsy kidneys in the norm

Dgebuadze Maia (Georgia)

038. A giant, dismantled, human brain in plaster, made in the 20th century

Le Floch-Prigent Patrice, Fromanger M, Gillot J-B (France)

Small hall right (floor S1)

9.00–10.30 FREE PRESENTATIONS 6 – MOLECULAR AND CELL BIOLOGY 2

Moderators: Beyhan Yunus Emre, Zhang Hongquan

039. Src-mediated phosphorylation converts FHL1 from tumor suppressor to tumor promoter

Wang X, Wei Xiaofan, Yuan Y, Sun Q, Zhan J, Zhang J, Tang Y, Li F, Ding L, Ye Q, Zhang H (China)

040. Unconventional Myosin VIIA Promotes Melanoma Progression

Liu Y, Wei X, Guan L, Xu S, Yuan Y, Lv D, He X, Zhan J, Guo J, Zhang Hongquan (China)

041. Exogenous CXC chemokine ligand 12 (CXCL 12) promotes the proliferation of Hela cervical cancer cells through MAPK/ERK pathway

Qi Yaling, Zhao WJ, Wang WQ, Li Y, Lan YH (China)

042. The infestation of *Demodex* spp. and the relationship between skin diseases
Torkamanian Afshar M, Beyhan Yunus Emre (Turkey)

Hall SP1 (floor SP)

- 9.30 ISCAA BOARD MEETING
- 10.30–11.00 COFFEE BREAK
- 10.40–11.00 E-POSTER SESSION 4
- STAND 1: MOLECULAR AND CELL BIOLOGY (P16 – P19)
- STAND 2: HISTOLOGY (P39 – P43)
- STAND 3: ANATOMY (P62 – P66)
- STAND 4: CLINICAL AND SURGICAL ANATOMY (P87 – P89)
- STAND 5: NEUROSCIENCE (P109 – P113)
- STAND 6: EDUCATION (P136 – P140)
- STAND 7: NEUROSCIENCE (P158 – P162)

Great hall (floor P)

- 11.00–13.00 MINI-SYMPOSIUM 5 – VISUALIZATION OF THE CELLULAR MECHANISM BY MODERN MICROSCOPY (JAPANESE DELEGATES OF ISMS)
Moderator: Ushiki Tatsuo (Division of Microscopic Anatomy, Graduate School of Medical and Dental Sciences, Niigata University, Japan)
- S19. Scanning ion conductance microscopy for cell and tissue research
Ushiki T
Division of Microscopic Anatomy, Graduate School of Medical and Dental Sciences, Niigata University (Japan)
Ushiki T, Mizutani Y, Iwata F (Japan)
- S20. Mitophagic isolation membrane visualized by CLEM analysis
Waguri Satoshi
Department of Anatomy and Histology, Fukushima Medical University, School of Medicine, Fukushima, Japan
Arai R, Yamashita SI, Kanki T, Waguri S
- S21. Biom mineralization imaging of bone development and healing by analytical electron microscopy
Sasano Yasuyuki
Division of Craniofacial Development and Regeneration, Tohoku University Graduate School of Dentistry, Sendai (Japan)

S22. Mechanisms of motoneuron death in the developing cervical spinal cord

Yaginuma Hiroyuki

Department of Neuroanatomy and Embryology, Fukushima Medical University

School of Medicine, Fukushima (Japan)

Yaginuma H, Mukaigasa K (Japan)

Hall SP2 (floor SP)

11.00–13.00 MINI-SYMPOSIUM 6 – INTERACTION BETWEEN TUMOR AND MICROENVIRONMENT (CHINESE SOCIETY OF ANATOMICAL SCIENCES)

Moderator: Zhang Hongquan (Professor and Head, Department of Anatomy, Histology and Embryology, Peking University Health Science Center, Beijing, China)

S23. Role of Novel integrin-interacting protein in cancer cell invasion and metastasis

Zhang Hongquan

Professor and Head, Department of Anatomy, Histology and Embryology, Peking University Health Science Center, Beijing (China)

S24. CCR7 high expression leads to Cetuximab resistance by cross-talking with EGFR

Liang Chunmin

Lab of Tumor Immunology, Department of Anatomy and Histology & Embryology, Shanghai Medical College of Fudan University, Shanghai, (China)

Gao LL, Xu JT, Wei Y, Xu WY, Wang YR, Huang J, Xu PP, Zheng P, Zhang YY, Qin J, Liu BB, Gao Q, Ren Li, Xu JM, Liang C (China)

S25. Post-transcriptional regulational mechanisms in mouse intestinal stem cells and colorectal cancer

Yu Zhengquan

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)

Tian Y, Yu Z (China)

S26. HOXB9 acetylation at 27 is responsible for its suppression of colon cancer progression

Zhan Jun

Department of Anatomy, Histology and Embryology, Peking University Health Science Center, Beijing (China)

Song J, Wang T, Xu W, Wang P, Wan J, Wang Y, Zhan J, Zhang H (China)

Small hall left (floor S1)

11.00–13.00 FREE PRESENTATIONS 7 – SURGICAL AND CLINICAL ANATOMY

Moderators: *Bilge Okan, Tuli Anita*

- 043. Volumetric study of maxillary sinuses using Cone Beam Computed Tomography: An in vivo study**
Bernardi Sara, Rastelli E, Bianchi S, Antonouli S, Palmerini MG, Belli M, Continenza MA, Macchiarelli G (Italy)
- 044. Position and dimensions of the mental foramen using Cone Beam Computed Tomography**
Ahmed Altayeb Abdalla, Mohamed Ahmed R (Saudi Arabia)
- 045. Myrtiformis muscle**
Yegin ME, Kocer IB, Celik S, Tiftikcioglu YO, Bilge Okan (Turkey)
- 046. Subthalamic nucleus deep brain stimulation and mydriasis: A case report**
Duman Fatma, Yilmaz A, Yucekaya B, Oral S (Turkey)
- 047. For filling the missing fragments of complex mosaic of liver regeneration**
Tsomaia K, Inauri N, Kordzaia Dimitri (Georgia)
- 048. Can unilateral kyphoplasty provide bilateral vertebral body filling?**
Yilmaz A, Duman F, Yucekaya Bircan, Kaya ME (Turkey)
- 049. A cadaver study: Accessory meningeal artery and its clinical significance**
Boduç Erengül, Bilge O (Turkey)
- 050. Study of sutural (wormian) bones of orbit with their clinical implications and embryological basis**
Tuli Anita, Mahajan R, Raheja S, Tomer S, Beri S (India)

Small hall right (floor S1)

11.00–13.00 FREE PRESENTATIONS 8 – EDUCATION AND HISTORY

Moderators: *Smith Claire, Brenner Erich*

- 051. The history of anatomical research of lymphatics – from the ancient times to the European Renaissance**
Irschick R, Brenner Erich (Austria)
- 052. Free regional anatomy textbook, full of schematics and mnemonics**
Chung Min Suk, Chung BS (South Korea)
- 053. Interactive form of studying topographic anatomy**
Šmahelová Eva, Doubková B, Fillipský T, Lisková K, Pös M, Vařková K, Hájek P (Czech Republic)
- 054. Creating core anatomy syllabi**
Smith Claire F, Connolly S, Hennessy C, Finn GM (Great Britain)

- O55. **Memorix Histology – a revolutionary compromise between a textbook, an atlas, and students' excerpts**

Balko Jan, Tonar Z, Varga I, Kachlik D, Hudak R (Czech Republic)

- O56. **Memorix anatomy quiz – an effective way to repeat anatomy using a mobile app**

Hudak Radovan, Bartl E, Novysedlak R, Kachlik D (Czech Republic)

Hall SP1 (floor SP)

11.00 ICSMS MEETING

13.00–14.00 LUNCH

13.40–14.00 E-POSTER SESSION 5

STAND 1: MOLECULAR AND CELL BIOLOGY (P20 – P23)

STAND 2: HISTOLOGY (P44 – P46)

STAND 3: CLINICAL AND SURGICAL ANATOMY (P67 – P71)

STAND 4: COMPARATIVE ANATOMY (P90 – P94)

STAND 5: NEUROSCIENCE (P114 – P117)

STAND 6: EDUCATION (P141 – P145)

STAND 7: VARIA (P163 – P166)

Great hall (floor P)

14.00–16.00 **MINI-SYMPOSIUM 7 – FUNCTIONAL NEURAL CIRCUITS RELATED TO DISORDERS OF THE CENTRAL NERVOUS SYSTEM (CHINESE SOCIETY OF ANATOMICAL SCIENCES)**

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

- S27. **Novel cerebellar circuitry mechanisms of limbic epilepsy and paroxysmal kinesigenic dyskinesia**

Tan Guo-He

Department of Human Anatomy, Guangxi Key Laboratory of Regenerative Medicine & Guangxi Collaborative Innovation Center of Biomedicine, Guangxi Medical University, Nanning (China)

Tan GH, Liu YY, Wang L, Li K, Xiong ZQ (China)

- S28. Whole-brain monosynaptic afferents to adenosine A_{2A} receptor neurons in nucleus accumbens core mediating sleep regulation**

Li Rui-Xi

*Department of Anatomy, Histology and Embryology, School of Basic Medical Sciences, Fudan University Shanghai Medical College, Shanghai (China)
Li RX, Yuan XS, Wei HH, Huang ZL (China)*

- S29. The role of aquaporin-4 in the impairment of interstitial fluid drainage system in the brain following subarachnoid haemorrhage**

Yan Jun-Hao

*Department of Anatomy and Histology, School of Basic Medical Sciences, Peking University & Beijing Key Lab of Magnetic Resonance Imaging Technology, Beijing (China)
Liu E, Zhang Y, Teng Z, Wang W, Li Y, Han H, Yan JH (China)*

- S30. Indirect pathway from thalamus to midbrain facilitating neuropathic pain**

Li Yun-Qing

Professor, Department of Anatomy and KK Leung Brain Research Centre, School of Basic Medical Sciences, The Fourth Military Medical University, Xi'an (China)

Small hall left (floor S1)

14.00–16.00 FREE PRESENTATIONS 9 – HISTOLOGY

Moderators: Kotzé Sanet, Varga Ivan

- O57. Endothelial cells of the human spleen in scanning electron microscope**

Gálfiová Paulína, Varga I, Mikušová R, Lorencová M, Majeský M, Kosnáč D, Polák Š (Slovakia)

- O58. Tenascin-C and type 3 collagen expression in calcaneal (Achilles) tendon therapy**

Sekerci Rahime, Acar Aydemir N, Ogut E, Aksu K, Keles-Celik N (Turkey)

- O59. Beneficial effect of apple vinegar on reproductive parameters in male rat model of non-alcoholic fatty liver disease**

Mohammadghasemi Fahimeh, Aghajani Nasab M (Iran)

- O60. The diversity of tubal epithelium. How many types of epithelial cells form the lining epithelium of human uterine tubes?**

Varga Ivan, Kachlik D, Žišková M, Polák Š, Miko M (Slovakia)

- O61. Mast cells infiltrate the submucosal plexus in diverticular disease**

Alaburda Paulius, Lukosiene J, Tamelis A, Pauziene N (Lithuania)

- O62. Neurochemistry of the rabbit atrial ganglia**

Inokaitis Hermanas, Rysevaite-Kyguoliene K, Pauziene N, Pauza DH (Lithuania)

- O63. Regarding the ductular reaction on the late stages of common bile duct ligation in rats**

Azmaiparashvili E, Goishvili Nana, Kakabadze M, Makaridze D, Kordzaia D (Georgia)

064. The comparative morphology of the gastrointestinal tract of four African murid rodent species

Henke Z, Sahd L, Matthee S, Kotzé Sanet H (South Africa)

Small hall right (floor S1)

14.00–16.00 FREE PRESENTATIONS 10 – IMAGING

Moderators: Kavková Michaela, Duman Fatma

065. Evaluation of internal carotid artery malposition with multi-slice computer tomography: Complication analysis of pharyngeal surgery

Arslan Harun (Turkey)

066. Neuroimaging manifestations of Behcet's disease: A retrospective study from Eastern Mediterranean of Turkey

Burakgazi G, Duman Fatma (Turkey)

067. Anatomical orientation with 3D neurovascular models in posterior cranial fossa

Karakas Asli Beril, Ozer MA, Kesici O, Bedre O, Govsa F (Turkey)

068. High-resolution 3D imaging of mouse brain by X-ray computed microtomography

Kavková Michaela, Zikmund T, Tesařová M, Novotná M, Kaucká M, Szarowska B, Adameyko I, Buchtová M, Kaiser J (Czech Republic)

069. Differential analysis of brain structure volume associated with Parkinson's disease based on nuclear MR T1 imaging

Liu G, Shi Y, Li Wensheng (China)

070. Implementation of industrial approach of X-ray computed microtomography in developmental biology

Tesařová Markéta, Kaucká M, Adameyko I, Novotná M, Zikmund T, Kaiser J (Czech Republic)

071. Homarus gemmarus (European lobster): Seriated CT-scan and reconstructions: Horizontal, sagittal and 3D

Le Floch-Prigent Patrice, Verdeille S (France)

072. Prionace glauca (pole shark): Seriated CT-scan and reconstructions: Horizontal, sagittal and 3D

Le Floch-Prigent Patrice, Verdeille S (France)

Great hall

16.10 CLOSING CEREMONY