

Czech Anatomical Society
Czech Society for Histochemistry and Cytochemistry
Faculty of Medicine and Dentistry Palacký University Olomouc

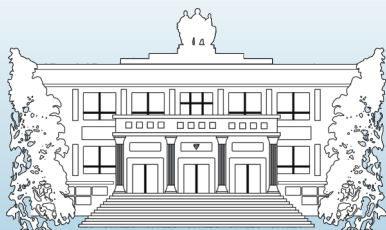
MORPHOLOGY 2025

56th INTERNATIONAL CONGRESS OF CZECH ANATOMICAL SOCIETY
AND 61st LOJDA SYMPOSIUM ON HISTOCHEMISTRY



PROGRAMME

7th - 9th of September 2025
Olomouc
Czech republic



Faculty of Medicine
and Dentistry

Palacký University
Olomouc

Czech Anatomical Society

Czech Society for Histochemistry and Cytochemistry

Palacký University Olomouc, Faculty of Medicine and Dentistry, Department of Anatomy

MORPHOLOGY 2025

56th International Congress of Czech Anatomical Society

61st Lojda Symposium on Histochemistry

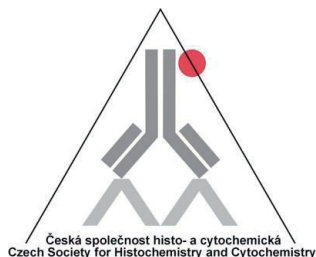
PROGRAMME

7th – 9th September 2025

Olomouc, Czech Republic



Faculty of Medicine
and Dentistry



Under the Auspices of

prof. MUDr. Milan Kolář, Ph.D., Dean of the Faculty of Medicine and Dentistry

Scientific Board

prof. RNDr. Petr Dubový, CSc., prof. MUDr. Ingrid Hodorová, Ph.D.,
prof. MUDr. David Kachlík, Ph.D., doc. RNDr. Petr Mlejnek, Ph.D.,
prof. MUDr. Jaroslav Mokry, Ph.D., prof. MUDr. Ondřej Naňka, Ph.D.,
prof. MUDr. Karel Smetana jr., DrSc.

Organizing Committee

doc. RNDr. Petr Mlejnek, Ph.D., MUDr. Alžběta Beislová, MBA, MUDr. Igor Fargaš,
MUDr. Jiří Charamza, MUDr. Kateřina Kikalová, Ph.D., Mgr. Kristýna Kuchynková,
Bc. Dita Raiskubová

Topics

Neurosciences, Molecular and Cell Biology, Experimental and Developmental
Morphology, Histology, Clinical Anatomy, Anthropology, Teaching and Anatomical
Terminology, Varia

GENERAL INFORMATION

Venue

Theoretical Institutes of the Faculty of Medicine and Dentistry, Palacký University,
Hněvotínská 976/3, 779 00 Olomouc

Contact

Bc. Dita Raiskubová, Department of Anatomy
Palacký University Olomouc, Hněvotínská 976/3, 779 00 Olomouc
Tel.: +420 585 632 202, e-mail: dita.raiskubova@upol.cz

Web Pages

www.morphology2025.upol.cz
www.nan.upol.cz

Registration and Information Desk

Foyer of the old building, Theoretical Institutes, Faculty of Medicine and Dentistry,
Palacký University, Hněvotínská 976/3, 779 00 Olomouc

Registration of the participations: Sunday 15:30 - 17:00
Monday 7:30 - 8:30

Oral Presentations

Invited lectures are scheduled for 30 minutes, regular lectures are scheduled for 10 minutes presentation followed by 5 minutes of discussion. Windows PC with USB port are installed in lecture halls. Your own laptop can be connected via HDMI cable. Speakers with apple devices are kindly requested to bring the necessary adapter for connectivity.

Poster Presentation

The recommended size of poster panel is A0 (84.1 cm width × 118.9 cm height). Maximal size is 90 cm (width) × 120 cm (height). Tapes and clips will be available. Posters will be presented during poster session, on Monday, September 8th. Authors are asked to be present at posters during the poster session.

Social events

■ Welcome Evening

will be held immediately after the Opening ceremony on Sunday, September 7th, at the Faculty of Medicine and Dentistry, in the foyer of old building Theoretical institutes. It will include buffet and drinks free of charge.

■ Concert of Women's Choir DUHA

will take place in the Corpus Christi Chapel, Univerzitní 3, 779 00, Olomouc on Monday, September 8th from 18:00.

■ Social Evening

will take place at Long Story Short, Koželužská 945/31, 779 00 Olomouc on Monday, September 8th from 19:00. Please buy a ticket at the registration desk (price 800 CZK).

Coffee Breaks

Refreshments will be served free of charge.

Lunches

will be served at the bistro in the new building of the Theoretical Institutes. Payment will be made on site.

The Meeting of the Society Committee of the CAS

will take place on Monday, September 8th in the Right Lecture Hall from 15:30 to 16:30.

The Meeting of the Society Committee of the CSHC

will take place on Monday, September 8th in the Left Lecture Hall from 15:30 to 16:30.

City Transportation

Transport to the Faculty of Medicine and Dentistry from the Main Railway station:

- Bus No. 21 – bus stop “Lékařská fakulta”, approx. 2 min walk
- Buses No. 12, 19 – bus stop “Dvořákova”, approx. 5 min walk
- Trams No. 1, 4, 6 – tram stop “Výstaviště Flora”, approx. 12 min walk

SUNDAY, SEPTEMBER 7, 2025

■ Opening Ceremony

17:00–19:00

RIGHT Lecture Hall

Words of Welcome

doc. RNDr. Petr Mlejnek, Ph.D.

Invited Lecture

Crossroads – an Encounter

Mgr. Lukáš Šín, Ph.D.

Winner's Lectures

Chairs: prof. MUDr. Ingrid Hodorová, Ph.D., prof. MUDr. David Kachlík, Ph.D. ,
prof. MUDr. Jaroslav Mokrý, Ph.D., prof. MUDr. Ondřej Naňka, Ph.D.

Czech Anatomical Society – Award for the best Original Scientific Publication

Sprouty2 /4 Deficiency Disrupts AER Integrity and ZPA Cell Migration Impacting Chondrogenesis of the Mouse Forelimb

Dalecká L., Hrubá E., Andrasová M., Stekliková K., Pavliková Z., Kučerová K., Szotkowska T., Bartoš M., Buchtová M., Saffron Tucker A., Hovoraková M.

Annual Award of the Czech Anatomical Society (Bochdalek Award CAS)

Variations of the Extrapsoas Course of the Lumbar Plexus with Implications for the Lateral Transpsoas Approach to the Lumbar Spine: a Cadaveric Study

Michal Beneš

Czech Society for Histo- and Cytochemistry – Annual Award for the best scientific publication

The HOX Code of Human Adult Fibroblasts Reflects their Ectomesenchymal or Mesodermal Origin

Pfeiferová L., Španko M., Šáchová J., Hradilová M., Pienta K. J., Valach J., Machoň V., Výmolová B., Šedo A., Bušek P., Szabo P., Lacina L., Gál P., Kolář M., Smetana K. Jr.

Slovak Anatomical Society – Award for the best Original Scientific Publication

Radiation-induced Bystander Effect on the Rat Brain after Fractionated Spinal Cord Irradiation

Báľentová S., Hnilicová P., Baranovičová E., Kalenská D., Muriň P., Hajtmanová E.

■ Welcome Evening

19:00–21:00

MONDAY, SEPTEMBER 8, 2025

■ Invited Lectures

8:30–9:30

RIGHT Lecture Hall

Histological and Functional Adaptations of Tooth Healing

doc. Mgr. Jan Křivánek, Ph.D.

Clinical Anatomy in Facial Reconstruction

MUDr. et MDDr. Michal Mozol'a, doc. MUDr. et MUDr. Peter Tvrđý, Ph.D.,

doc. MUDr. et MUDr. Richard Pink, Ph.D.

■ Coffee Break

9:30–10:00

■ Neurosciences I.

10:00–11:30

RIGHT Lecture Hall

Chairs: doc. MVDr. Soňa Bálentová PhD., prof. RNDr. Petr Dubový, CSc.

Functional Replacements in Nerve Tissue Regeneration, an in Vitro Study

*Zamani A., Rabova A., Kocourková K., Kadlečková M., Mikulka F., Minaříková R.,
Emamiaref P., Minařík M., Joukal M., Minařík A.*

Peripheral Nerve Regeneration Using Biocompatible 3D Conduits: in Vivo Evaluation in a Murine Model

*Kubičková L., Pračková I., Kocourková K., Kadlečková M., Minaříková R., Mikulka F.,
Minařík M., Joukal M., Minařík A.*

MRI Morphological Detection of Basal Ganglia Abnormalities in Epileptic Patients: A Narrative Review.

Lahutsina A., Al-Redouan A.

Effect of Amniotic Membrane on Peripheral Nerve Regeneration Using the Nerve Wrap Technique: A Rat Model Study

Kubičková L., Pračková I., Barathi Bahavan., Janeček P., Knotz M., Joukal M.

Chemotherapy Induces Epitranscriptomic Changes in the Choroid Plexus

Dianat M., Brezani V., Kubičková L., Joukal M., Rashad S., Zamani A.

■ Experimental and Developmental Morphology

10:00–11:30

LEFT Lecture Hall

Chairs: prof. MUDr. Marian Adamkov, PhD., prof. MUDr. Karel Smetana, Jr., DrSc.

The Effect of Different Gluten Concentrates and Gluten-free Diet on Ovarian, Testicular, and Thyroid Gland Morphology

Makovický P., Šťastná M., Jabandžiev P., Hrunka M., Jeklová E., Norek A., Straková P., Makovická M., Králová K., Janda L.

Proteomic Analysis of Chick Embryonic Heart in Experimental Hypoxia

Sedmera D., Drobna Krejci E., Nanka O., Eckhardt A.

The Role of LGR5 in Sequential Tooth Development: Insights from Single-Cell Transcriptomics

Olbertová K., Hřčkulák D., Kompaníková P., Bryja V., Křivánek J., Kořínek V., Buchtová M.

Modeling Congenital Heart Disease: Insights from Jagged1 and Notch1 Single Point Variants in Mice

Kolesová H., Neffeová K., Nekvindová E., Olejníčková V., Frontino A.M., Mašek J.

Shh in the Jawbone Formation in Mice

Kindlova M., Dalecka L., Hovorakova M.

Effect of Hyperhomocysteinemia on Heart-brain axis

Kovalská M., Tatarková Z., Kalenská D., Samáš P., Lehotský J.

■ Congress Photo

11:45

■ Lunch

12:00–13:00

■ Neurosciences and Endocrinology

13:00–14:30

RIGHT Lecture Hall

Chairs: RNDr. Miroslav Kutal, CSc., doc. MVDr. Štefan Tóth PhD.

Changes in C3 and C3aR in Glia Limitans Superficialis Astrocytes in the Medial Prefrontal Cortex after Sciatic Nerve Compression

Bretová K., Dubový P.

Altered Morphology of Dopaminergic Neurons in an Autism-like Animal Model: The Potential Role of Oxytocin in Neurite Outgrowth

Havránek T., Bogyova E., Mihalj D., Bačová Z., El Falougy H., Polak S., Bakoš J.

Immunofluorescence Distribution of Atypical Chemokine Receptor ACKR3/CXCR7 in Dorsal Root Ganglion Neurons of a Mouse Model of Neuropathic Pain

Dubový P., Rábová A.

Inflammatory Reaction of the Choroid Plexus Induced by the Diabetes Mellitus

Kročka E., Kubičková L., Joukal M.

Quantitative Profiling of DOR Immunofluorescence at the Plasma Membrane and in the Cytoplasm of Primary Sensory Neurons in the Mouse Spared Nerve Injury Model of Neuropathic Pain

Rábová A., Skoumalová K., Jambrichová A., Kubičková L., Joukal M., Dubový P.

Sex-specific Modulation of Hofbauer Cell Phenotype and Apoptotic Body Accumulation in Diabetic Pregnancies

Tauber Z., Mrstík M., Koubová K., Burianová A., Čížková K.

■ Teaching and Anatomical Terminology

13:00–14:30

LEFT Lecture Hall

Chairs: prof. MUDr. David Kachlík, Ph.D., doc. MUDr. Desanka Výbohá PhD.,

The History of the Term Substantia Alba

Šimon F.

Interdisciplinary Cooperation of Faculties in Teaching Students – an Example of Long-established Good Practice

Orel M., Kikalová K., Kňážek Považanová B.

Basiliensia Nomina Anatomica – 130th Anniversary of the Official Anatomical Terminology

Musil V., Modrý M., Němčíková P., Stingl J., Kachlík D.

Engaging and Motivating Students in Histology and Embryology Through Social Media Content

Tonar Z., Blassová T., Baradulina A., Navrátil M., Dvořáková K., Drobňák E., Macháčková D., Malečková A.

Integration of Educational Tools in the Histology Teaching Leads to a Higher Level of Interactivity

Mokrý J., Čížková D.

Guiding Students Beyond University Walls: Implementing Flipped Classroom in Histology Teaching

Malečková A., Tonar Z.

The Anatomyka App and 3D E-Posters: A New Tool for Students and Anatomists

Kachlík D., Hudák R., Zíval J., Mrkus J.

■ **Workshop**

13:00–14:30

Microscopic Hall

AI in ImageJ – Modern Approaches to Image Analysis

Lecturer: doc. Mgr. Kateřina Čížková, Ph.D.

■ **Coffee Break, Poster Session**

14:30–15:30

■ **Meetings of Society Committees of the CAS,
Plenary Meetings of the CAS**

15:30–16:30

RIGHT Lecture Hall

■ **Meetings of Society Committees of the CSHC,
Plenary Meetings of the CSHC**

15:30–16:30

LEFT Lecture Hall

■ **Concert and Chapel Tour**

18:00

■ **Social Evening**

19:00

TUESDAY, SEPTEMBER 9, 2025

■ Clinical Anatomy

9:00–10:30

LEFT Lecture Hall

Chairs: prof. MUDr. Ingrid Hodorová PhD., doc. MUDr. Stanislav Laichman, CSc.

The Retrocochlear Recess of the Medial Retrotympanum – Radioanatomical Investigation in Children under Five Years Old

Szeliga S., Wojciechowski T., Skadorwa T.

The Significance of Vascular System Visualisation in The Clinical Anatomy

Korim F., Klein R., Gálfiová P., Karamanová M., Kolvek F., Glembová V., Kuricová M., Valocký I.

Do We Have Four or Eight Egyptian Eyes?

Kachlík D., Hnátková G., Francová L., Varga I., Hnátek L.

Anterior Musculocapsular Complex of The Hip and its Relevance for Direct Anterior Approach to the Hip Joint

Beneš M., Barták V., Kachlík D.

The Intersaphenous Veins in the Leg: Anatomical Considerations

Sedlák A., Veselá M., Kachlík D.

The Relationship of the Great Saphenous Vein

Trachtová D., Sedlák A., Abbaspour E., Kachlík D.

■ Molecular and Cell Biology, Histology

9:00–10:30

RIGHT Lecture Hall

Chairs: doc. Mgr. Jan Křivánek, Ph.D., prof. MUDr. Mgr. Zbyněk Tonar, Ph.D

Expression of Sod1-3 and SOD4/CCS Proteins in Rat Uterine Tube During Early Period of Pregnancy

Mihalík J., Krhel'ová A., Solár P., Harvaník P., Petrovová E., Hodorová I.

Novel Soluble Bazedoxifene Formulation with IL-6 receptor Affinity Influences the Properties of Squamous Cell Carcinoma Cells

Lacina L., Pacák T., Koziar Vašáková M., Brábek J., Jakubek M., Smetana K. Jr.

TPPU-Induced Changes in P38 Expression and Nuclear Translocation in Intestinal Cell Lines

Koubová K., Tauber T., Čížková K.

Expression of Superoxide Dismutase 3 in Malignant Pancreatic Tumors: An Immunohistochemical Study

Vrzgula M., Mihalik J., Gaško R., Hodorová I.

Modeling Human Alveolar Architecture using Expandable Lung Progenitors in 3D and ALI Cultures: A Platform for Investigation of Alveolar Differentiation and Fibrosis-Related Pathologies

Herůdková J., Pelková V., Havlíček V., Portakal T., Sedláková V., Štefániková M., Doubková M., Vaňhara P.

Cancer Microenvironment: Key Factor of Tumor Aggressiveness

Szabo P., Lacina L., Kolář M., Mandys V., Gál P., Smetana K. Jr.

■ **Coffee Break**

10:30–11:00

■ **Anthropology, Varia**

11:00–12:00

LEFT Lecture Hall

Chairs: doc. PaedDr. Miroslav Kopecký, Ph.D., Mgr. Lukáš Šín, Ph.D.

Johannes Jessenius: Vel Plagiator Vel Propagator Anatomiae?

Stingl J., Tomečková P., Musil V.

Classification, Morphology and Prevalence of the External Occipital Protuberance Variants in the Paediatric Population

Budziłowski K., Skadorwa T.

“The crypt project”: Interdisciplinary Research of the Human Remains from 17th and 18th Century from Chodov in the Bohemia Anthropology – Radiology – Histology – History – Archaeology

Shbat A., Kvasilová A., Němečková A., Herlová P., Hofmann J., Bělohávek M., Beránek M.

Relation Between the Onset of Puberty and Ossification of Sesamoid Bones – Preliminary Report

Ludew A., Dąbrowski K.

■ **Closing Ceremony**

12:00

■ **Lunch**

12:15

1 venue
2 concert
3 social evening

Map of Olomouc showing the location of the venue (1) at the intersection of Nová Ulice and Hněvotínská. The map includes labels for various streets and landmarks, and a legend indicating the venue, concert, and social evening locations.

- ① venue
- ② concert
- ③ social evening



POSTER SESSION

■ Monday 14:30–15:30

1. **Distinct phenotypes of primary ciliary dyskinesia in monozygotic twins**
Pánska S., Dvořáková P., Pinkas D., Vajsová A., Holeček-Křištofová T., Uhlík J.
2. **Quantification of tumor-infiltrating immune cells as predictive biomarkers of immunotherapy response and toxicity in metastatic melanoma**
Polívka J., Vaňková L., Křížková V., Vokurka S., Fiala O., Holubová M., Pivovarčíková K., Třešková I., Knížková T., Říčař J., Kučera R., Pešta M.
3. **Morphology of Gantzer's muscle: A case report and review of the literature**
Vecanová J., Hvizdošová N., Boleková A., Hodorová I.
4. **Photographic atlas of the human body as a modern tool in anatomy education**
Hvizdošová N., Vecanová J., Boleková A., Hodorová I.
5. **The epigenetic role of chokeberry in a rat model of breast cancer: A natural chemopreventive study**
Lacková L., Mazuráková A., Samec M., Dvorská D., Braný D., Mešťanová V.
6. **Application of geometric morphometry in the evaluation of the foramen supratrochleare from the early bronze age site**
Kalafutová S., Trellová Z., Gaňová J., Petrejčíková E., Trnkus L., Dvončová M., Čurný M., Timura J.
7. **Comparative analysis of the Conjunctiva-Associated Lymphoid Tissue (CALT) and the eyelids in the selected birds of prey from Accipitridae family**
Goździewska-Harłajczuk K., Klećkowska-Nawrot J., Krocak-Zdańkowska A., Urantówka A.
8. **Immunohistochemical analysis of changes in intestinal epithelium of germ-free piglets after Escherichia coli infection**
Fagová Z., Tóth Š., Danková M., Holodová M., Čurgali K., Mechírová E., Kunová A., Marettá M., Nemcová R., Gancarčíková S.
9. **Comprehensive histological examination of the renal corpuscle**
Tóth Š., Fagová Z., Holodová M., Čurgali K., Mechírová E., Eliašová V., Kunová A., Hájovská K.
10. **Glutathione peroxidase 6 in rat oocytes and preimplantation embryos**
Kreheřová A., Mihalík J., Hodorová I.

- 11. Arteriolar density in myocardia of patients with the right ventricular dysfunction**
Kučera T., Kuzárová L., Melenovský V.
- 12. Shank3 deficiency induces region-specific alterations in presynaptic protein levels in dopaminergic brain areas**
Bodorová B., Havránek T., Ševčíková Tomašková Z., Mihalj D., Bačová Z., Bakoš J.
- 13. Odontometric analysis in the Early Bronze Age population**
Petrejčíková E., Gaňová J., Kalafutová S., Kmeťová L., Zigová M.
- 14. Assessment of pro-angiogenic properties of polyhydroxybutyrate/chitosan-based scaffolds using an ex ovo quail cam model**
Demčíšáková Z., Giretová M., Medvecký L., Luptáková L., Štulajterová R., Petrovová E.
- 15. Nestin and connexin43 co-expression in cardiomyocytes of spontaneously hypertensive rats**
Artykov T., Čížková D., Žurmanová J. M., Galatík F., Šilhavý J., Pravenec M., Mokrá J.
- 16. Effects of E. coli infection on intestinal mucosal renewal in germ-free piglets – histological analysis**
Tóth Š., Fagová F., Holodová M., Čurgali K., Mechírová E., Kunová A., Marettá M., Nemcová R., Gancarčíková S., Danková M.
- 17. BeWo cells as an in vitro model of trophoblast for studying diabetes mellitus**
Burianová A., Čížková K., Tauber Z.
- 18. Monitoring the effects of geographical location on the embryotoxicity of Vipera Ammodytes venom originating from different regions of the Balkan peninsula**
Petrilla V., Polláková M., Pavelka J., Petrillová M., Petrovová E., Sopková D., Legáth J.
- 19. Modeling the ocular toxicity of Spitting Cobra venom on the chorioallantoic membrane of chicken embryos**
Polláková M., Demčíšáková Z., Petrilla V., Petrillová M., Petrovová E., Sopková D., Legáth J.
- 20. Interaction of FTO rs9939609 polymorphism and physical activity on body composition in women: a bioimpedance-based study**
Šlebodová M., Hodorová I.
- 21. Immunohistochemical detection of GPx5 and GPx7 in human colorectal adenocarcinoma**
Pavliuk-Karachevtseva A., Šlebodová M., Benetinová Z., Bohuš P., Mihalik J., Hodorová I.
- 22. Potential of new plausible biomarkers in the differential diagnosis of cervical lesions**
Krajňáková B., Výbohá D., Mešťanová V., Hurta Csizmár S., Adamkov M.

- 23. Pancreatic lipase secretion in the pancreas and its production in duodenal enterocytes following fecal microbiota transplantation, probiotics, and prebiotic administration in a pseudo germ-free animal model**
Rodáková K., Andrejčáková Z., Vlčková R., Gancarčíková S., Lauko S., Spišáková D., Kozioł K., Koziorowska A., Demečková V., Ryniková M., Strompfová V., Sashova Tomova A., Ostatníková D., Sopková D.
- 24. Potential prognostic value of Galectin-3 and Rac1 in cervical lesions**
Mešťanová V., Hurta Csizmár S., Krajňáková B., Kajo K., Adamkov M.
- 25. Experimentally induced histological and cognitive changes in the brain after exposure to ionizing radiation**
Rendvanský J., Bálentová S., Kalenská D., Borbélyová V., Filová B., Muriň P., Kecskés I.
- 26. Immunohistochemical methods to demonstrate the structure of enteric nervous system in intestinal wall of germ-free piglets**
Kunová A., Danková M., Tóth Š., Holodová M., Fagová Z., Čurgali K., Mechírová E., Marettá M., Nemcová R., Gancarčíková S., Polák Š.
- 27. Effect of high methionine diet on testicular morphology in experimental conditions**
Samáš P., Kalenská D., Lehotský J., Kovalská M.
- 28. The game element and its place in anatomy teaching**
Hylmarová M., Janoušek T., Štefková K.
- 29. Using ChatGPT and AI as an anatomical assistant in medical education**
Štefková Š., Morávek A.
- 30. Testing the inhibitory efficacy of synthesized mPTP inhibitors**
Kozlov D., Endlicher R., Halečková A., Benek O., Zemanová L.
- 31. Choroid plexus in Alzheimer's disease and neuroinflammation**
Orviská P., Jeřábková K., Emamiaref P., Zareravasan A., Brázda V., Dianat M., Joukal A., Zamani E.
- 32. Analysis of caspase-3 non-apoptotic functions in astrocytes using a neurosphere-derived in vitro model**
Pačut L., Dečmanová V., Holota R., Daxnerová Z., Ševc J., Košuth J., Alexovič Matiašová A.
- 33. Database of digital radiological images of All modalities for teaching and testing anatomy in SmartZoom**
Rejtarová O., Kuchař M., Štefková K., Rejtar P.
- 34. Incidence of dental pathologies on skeletal remains from Middle Age population, Eastern Slovakia**
Gaľová J., Kalafutová S., Petrejčíková E., Konečná M., Sedlák V., Tajkov P.

- 35. Mapping the abdominal vasculature of the Prestice Black Pied Pig: Implications for human translational research**
Kunčarová K., Sbiroli C. M. C., Mik P., Jiřík M., Mírka H., Eberlová L., Hošek P., Hamoudi C., Liška V.
- 36. Immunohistochemical detection of GPX7 in normal kidney tissue and Clear cell renal cell carcinoma: A preliminary study**
Kolesár D., Cigan J. G., Hodorová I.
- 37. Compression-related transient ischemia of the foot during sport climbing**
Kovářová M., Kikalová K.
- 38. Structural remodeling of the atria during atrial fibrillation**
Kvasilova A., Ameen A., Noronha D. A., Sedmera D.
- 39. Hydroxyapatite cylinders in the bone regeneration process**
Krešáková L., Vdovíaková K., Humeník F., Totkovič R., Rusnák P., Kadáši M., Medvecký Ľ.
- 40. 3D anatomical models for medical education**
Janoušek T., Kuchař M.
- 41. Comparative analysis of 3D reconstruction technologies for anatomical models**
Donyawie P., Struenck S.M., Mimler B., Thumfart V., El Hassoun Secanska O., Havranek T., Polak S., El Falougy H.
- 42. Evaluation of novel mitochondrial permeability transition pore inhibitors in liver mitochondria**
Endlicher R., Štefková K., Kozlov D., Halečková A., Benek O., Zemanová L., Drahotka Z., Kučera O., Červinková Z.
- 43. Bones before chromosomes: How skeletal traits reveal sex**
Salavova S., Kachlik D.
- 44. Type 2 diabetes mellitus and its influence on the distribution of volume of adipocytes in different adipose tissue compartments—preliminary result**
Šrámek J., Kučera T., Kolín V., Jakša R.
- 45. BoneDat, a database of standardized bone morphology for in silico analyses**
Kuchař M., Henyš P.
- 46. Role of Jagged1-Notch signaling in cardiac development**
Neffeová K., Nekvindová E., Olejníčková V., Kolesová H.
- 47. Retrospective 3D segmentation of temporal bone HRCT scans in patients with chronic otitis media with cholesteatoma: focus on morphological and functional changes**
Belohrad C., Homolac M., Svejdoва A., Dedkova J., Chrobok V.

48. **Liver endothelial sinusoidal cells activation and inflammatory response to liver injury in MASH and DDC animal model**
Nemeckova I., Eissazadeh S, Mohammadi Seyedeh N., Igreja Sa I. C., Nachtigal P.
49. **Morphological evaluation of experimentally created articular cartilage defects in sheep after application of composite biocement c.**
Šimaiová, V.
50. **The impact of anatomy course duration on academic performance: A comparative study of three-semester and two-semester anatomy curriculum**
Výbohová D., Hešková G., Mazuráková A.
51. **The use of micro-CT in the paleopathology**
Vaňátková K., Vymazalová K., Vargová L., Vopálenský M., Adámková I.
52. **Traditional vs. digital anatomy education: Slovak medical students' perspectives**
Mazuráková A., Hurta Csizmár S., Lešková K., Výbohová D.
53. **Serum markers of bone regeneration process – a review**
Korim F., Vdoviaková K., Krešáková L.
54. **Ectopic bone in the aortic valve in a mare – accidental finding**
Korim F., Pettenello M., Čriepoková Z., Valocký I., Šimaiová V., Štammová E., Blichárová A., Benetinová Z., Verbóová Ľ.
55. **Horse as an animal model for research and therapy of temporomandibular joint osteoarthritis – a review.**
Šimaiová, V., Korim, F.
56. **Lectin based detection method used for quantitative analysis of endothelial glycocalyx in renal glomeruli**
Weishaupt D., Čížková D., Bezrouk A., Hána L., Astapenko D.
57. **A rare course of the superior trunk of the brachial plexus through the anterior scalene muscle: A case report**
Musilová Z., Kročka, E., Račanská, M.
58. **Beyond treatment: Paclitaxel's impact on blood-cerebrospinal fluid barrier integrity.**
Vlček V.
59. **The asymmetry of bone mineral density in human mandibles**
Morávek A., Martinková K., Kuchař M., Henyš P.

Schedule at a glance

Schedule at a glance				
	Right Lecture Hall		Left Lecture Hall	Microscopic Hall
Sunday 7. 9.	15:30–17:00	Registration		
	17:00–19:00		Opening ceremony, Invited lecture Awarded lectures	
	19:00–21:00	Welcome evening		
	7:30–8:30	Registration		
	8:30–9:30		Invited Lectures 1, 2.	
Monday 8. 9.	9:30–10:00	Coffee Break		
	10:00–11:30		Neurosciences I.	Experimental and Developmental Morphology
	11:45	Congress Photo		
	12:00–13:00	Lunch		
	13:00–14:30		Neurosciences II.	Teaching and Anatomical Terminology
	14:30–15:30	Coffee Break, Poster Session		Workshop: AI in ImageJ – Modern approaches to image analysis
	15:30–16:30		Meeting of society committee of the CSHC Plenary meetings of the CSHC	
Tuesday 9. 9.	18:00	Corpus Christi Chapel, concert		
	19:00–23:00	Social evening		
	9:00–10:30		Molecular and Cell Biology, Histology	Clinical Anatomy
	10:30–11:00	Coffee Break		
	11:00–12:00			Anthropology, Varia
	12:00	Closing ceremony		
	12:15	Lunch		

The organizers reserve the right to change the programme.

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