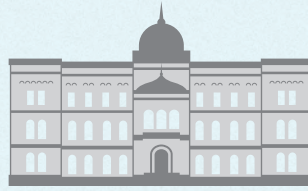


11th BALTIC
**MORPHOLOGY
MEETING**

NOVEMBER 13-15, 2024



ANATOMICUM, RIGA

11th Baltic Morphology Meeting

PROGRAMME

November 13-15, 2024
Rīga, Latvia



RĪGA STRADIŅŠ
UNIVERSITY

Welcome greetings



Dear Distinguished Guests, Colleagues and Participants,

I am honoured to extend a gracious welcome to the Institute of Anatomy and Anthropology of the Rīga Stradiņš University for the 11th International Baltic Morphology Meeting. This event has become a cornerstone in the field of morphology. This meeting brings together leading experts and researchers from various countries and places to share their knowledge and insights.

Today, we stand on the brink of exciting discoveries that will shape the future of morphology. The 11th Baltic Morphology Meeting, with its unique ability to bridge disciplines and foster interdisciplinary collaboration, is not just a key player in this future, but a catalyst for it. By integrating knowledge from various fields, we can achieve a more comprehensive understanding of complex medical fields. I encourage all of you to take full advantage of this opportunity to share your knowledge, exchange ideas, and forge new collaborations. The discussions and interactions during this meeting can potentially lead to significant advancements in our understanding of morphology and its applications across different disciplines, thereby shaping the future of the field in ways we can only begin to imagine.

I wish all the attendees a productive and inspiring meeting. May your time here be filled with insightful discussions, new partnerships, and groundbreaking discoveries.

Thank you for your unwavering dedication, boundless passion, and invaluable contributions. Your efforts are shaping the future of morphology and inspiring others in the field. We are deeply grateful for your commitment and look forward to the groundbreaking discoveries that will emerge from this meeting.

AIGARS PĒTERSONS

Professor, *Dr. med.*, *Dr. habil. med.*,
Rīga Stradiņš University Rector



Dear colleagues and guests,

It is a great honour to welcome you to the 11th Baltic Morphology Meeting, a special gathering that has become a key tradition in our field since the restoration of independence. Riga proudly revived these meetings, and this year marks the fourth time it is hosted in our city, as well as the first time after the Covid-19 pandemic.

We are delighted to have participants from 11 countries, and over the next two intense days, we will enjoy 42 oral presentations and 40 posters. This year's meeting extends its focus beyond the Baltic region, showcasing important European collaborations and advancing morphology research across borders.

I am particularly thrilled to see so many young researchers contributing fresh perspectives and innovation to the field. Their involvement ensures a bright future for morphology.

Thank you for joining us in Riga, and I wish you a successful and inspiring conference.

Warm regards,

JANA PAVĀRE

Professor, *Dr. med.*,
Dean of Faculty of Medicine,
Rīga Stradiņš University



Distinguished Guests, Colleagues, and Friends,

Good afternoon and welcome to the 11th Baltic Morphology Meeting here in the beautiful city of Riga and in the old and modern at the same time Anatomicum! It is my great pleasure to extend a warm welcome to each and every one of you.

First and foremost, I would like to express our deepest gratitude to all who have traveled from near and far to join us for this gathering, that's renewed again after the Covid pandemia. Your commitment to advancing the field of morphology is truly inspiring. This year's meeting promises to be an exciting and enriching experience.

Our gathering is not only about sharing knowledge but also about building connections and strengthening the bonds within our professional community. May this meeting be a source of inspiration, growth, and long (life) lasting connections! May you have time to look also at Riga and our historical expositions of Anatomicum/Museum of Anatomy and enjoy the points where the previous 100 years' values meet the nowadays usage!

Once again, welcome to Riga and the 11th Baltic Morphology Meeting. I wish you a successful and memorable conference.

MĀRA PILMANE

Professor, *Dr. med., Dr. habil. med.*

Director, Institute of the Anatomy and Anthropology

Head, Department of Morphology

Rīga Stradiņš University

Full member, Latvian Academy of Sciences

Organizing committee



Head of the Meeting – Professor **Māra Pilmane**
Director of the Institute of Anatomy and Anthropology,
Rīga Stradiņš University, Full member of the Latvian
Academy of Sciences.



Meeting secretary – **Līga Hartpēga**
Experienced project manager with a demonstrated history of
working in the event industry, Rīga Stradiņš University.



Member of the Meeting organising committee –
Associate professor **Dzintra Kažoka**
Human anatomy tutor and coordinator of the Study (Anatomy)
Division at the Department of Morphology of the Institute of
Anatomy and Anthropology, Rīga Stradiņš University.



Member of the Meeting organising committee –
Assistant professor **Anna Junga**
Researcher at the Institute of Anatomy and Anthropology,
assistant professor of the Department of Morphology and head of
the Laboratory of Morphology, Rīga Stradiņš University.



Meeting coordinator – **Daiga Enkuzena**
Daiga Enkuzena has been holding the office manager's
position at the Institute of Anatomy and Anthropology,
Rīga Stradiņš University.



Meeting coordinator – **Dārta Cīrule**
Dārta Cīrule joined the Department of Morphology,
Rīga Stradiņš University, as a study process coordinator.

Scientific committee



Professor **Māra Pilmane**, *Dr. med, Dr. habil. med.*
Head of the Meeting, Director of the RSU Institute
of Anatomy and Anthropology.
Full member of the Latvian Academy of Sciences.



Professor **Jānis Vētra**, *Dr. habil. med.*
RSU Institute of Anatomy and Anthropology.



Associate professor **Dzintra Kažoka**, *Dr. med.*
Human anatomy tutor and coordinator of the Study (Anatomy)
Division at the Department of Morphology of the RSU Institute
of Anatomy and Anthropology.



Andrejs Ivanovs, MD, MSc, PhD, MRCP(UK), FRCPath
Consultant haematologist at the Edinburgh Cancer Centre, a tertiary
care oncology centre in Scotland. Dr. Ivanovs is specialising in
lymphoid malignancies and cellular immunotherapy.

First day

13/11/2024

Anatomicum Theatre –
Institute of Anatomy and Anthropology
(Blvd. Kronvalda 9, Rīga, Latvia)

18.00 – 18.35

Welcome Greetings and Welcome Lecture

Chairman **Māra Pilmane**
(1st auditorium)

18.00 – 18.15

Welcome Greetings

Aigars Pētersons, Rector of RSU

Jana Pavāre, Dean of RSU Medical faculty

Māra Pilmane, Director of the RSU Institute
of Anatomy and Anthropology,
Head of the meeting

18.15 – 18.35

Welcome Lecture

Ojārs Spārītis,
Academy of Arts of Latvia, Latvia
“*Deus ex Machina*” or moving sculptures
in the interior of Lutheran churches of Latvia

18.40 – 21.00

Welcome buffet
(Anatomicum Chapel Hall)

Second day

14/11/2024

Anatomicum Theatre –
Institute of Anatomy and Anthropology
(Blvd. Kronvalda 9, Rīga, Latvia)

9.00 – 11.10

PLENARY lectures

Chairman **Mara Pilmane**
(1st auditorium)

- 9.00 – 9.30** **Andrejs Ivanovs**, *Edinburgh Cancer Centre, United Kingdom*
Immunophenotype and gene expression analysis of the earliest human haematopoietic stem cells
- 9.30 – 10.10** **Dainius Haroldas Pauža**, *Lithuanian University of Health Sciences, Lithuania*
Neuroanatomy of the heart
- 10.10 – 10.40** **Michal Polgaj**, *Medical University of Lodz, Poland*
Vascular variations at abdomen and thorax – description of three main topics as the important aspects of clinical anatomy
- 10.40. – 11.10** **Pavlo Fedirko**, *National Academy of Sciences of Ukraine, Ukraine*
Fedirko P., Pilmane M., *Rīga Stradiņš University*.
Ionizing radiation and the eye: epidemiological studies and new approaches to correlating functional and morphological damage

11.10 – 11.30

Coffee break
(Anatomicum Chapel Hall)

11.30 – 13.10

ORAL presentations

(Parallel sections)

Chairmen:

Dainius Pauža, Andres Arend
(1st auditorium)

Chairmen:

Valērija Groma, David Kachlik
(2nd auditorium)

- 11.30 – 11.50** **Janina Tutkuviene**,
Vilnius University, Lithuania
Tutkuviene J., Gervickaite S., Tutkus J.,
Stukaite-Ruibiene E., Barkus A.,
Almonaitiene R., Šimkūnaitė-
Rizgelienė R. Secular trend in general
size and shape parameters of head and
face of Lithuanian adolescents during
1965–2015 period
- Kristaps Dambergs**,
Rīga Stradiņš University, Latvia
Dambergs K., Segliņa G., Pilmane M.
Morphological comparison of paediatric
and adult acquired cholesteatoma

- 11.50 – 12.10** **Māra Pilmane,**
Rīga Stradiņš University, Latvia
Facial cleft basic research in Latvia:
search for the best methods and
directions
- 12.10 – 12.30** **Anna Junga,**
Rīga Stradiņš University, Latvia
Junga A., Pilmane M. Evaluation
of TGFβ1, HGF, FGF-2, FGFR1 and
apoptosis in placentas of various
gestational ages
- 12.30 – 12.50** **Jānis Vētra,**
Rīga Stradiņš University, Latvia
Research ethics of morphological
studies
- 12.50 – 13.10** **Mārtiņš Vaivads,**
Rīga Stradiņš University, Latvia
Vaivads M., Akota I., Pilmane M.
Investigation of genes and gene
proteins in cleft affected tissue
- 13.10 – 14.45** **Lunch** (Anatomicum Chapel Hall)
Guided tour in the newly established Museum of Anatomy
(in the Anatomicum backyard)
Common photo of meeting participants
(on the stairs of Anatomicum between the 1st and 2nd floor
opposite the fresca, gathering – 14.30)
- 14.45 – 16.15** **ORAL presentations**
- Chairmen: **Marina Aunapuu, Jānis Vētra**
(1st auditorium)
- 14.45 – 15.00** **Boriss Štrumfs,** *Rīga Stradiņš University, Latvia*
Štrumfs B., Šinkarevs S., Uljanovs R., Štrumfa I. Modern light microscopy
techniques: overcoming the diffraction limit
- 15.00 – 15.15** **Jonas Tutkus,** *Vilnius University, Lithuania*
Tutkus J., Gervickaite S., Barkus A., Tutkuvienė J., Šimkūnaitė-Rizgelienė R.
Dynamics in the eyes, nose and lips areas of Lithuanian men from 4 to 30 years
of age in relation to the size and shape of the craniofacial complex
- 15.15– 15.30** **Romans Uljanovs,** *Rīga Stradiņš University, Latvia*
Uljanovs R., Vidusa L., Štrumfs B., Merkurjeva K., Štrumfa I. Hotspot pattern in
parathyroid pathology: implications for pathogenesis and diagnostics
- 15.30 – 15.45** **Dins Sumerags,** *Cesu Klinika Hospital, Latvia*
Sumerags D., Pilmane M., Segliņa G. Etiopathogenetic mechanisms of vocal
nodules and Reinke's edema development and their morphopathological
manifestations
- Rūdolfs Jānis Viksne,**
Rīga Stradiņš University, Latvia
Viksne R. J., Segliņa G., Pilmane M.
Endotypes of chronic rhinosinusitis
with primary and recurring nasal
polyps in the Latvian population
- David Kachlik,**
Charles University, Czech Republic
Kachlik D., Khadanovich A., Herma T.,
Benes M., Kaiser R. Variations of the
sensory nerves of the dorsal aspect of
the forearm and hand
- Piret Hussar,**
University of Tartu, Estonia
Hussar P., Allmang C., Popvska-
Percinic F., Dūritis I., Jārveots T.
Comparative study of sodium-dependent
glucose co-transporters in kidneys in
norm and in T-2 mycotoxicosis
- Hermanas Inokaitis,** *Lithuanian
University of Health Sciences, Lithuania*
Inokaitis H., Paužiene N., Pauža D. H.
Insights for the usage of rats, rabbits
and pigs as animal models in
the improvement of treatment methods
for heart arrhythmia

- 15.45 – 16.00** **Sofija Semenistaja**, *Rīga Stradiņš University, Latvia*
Semenistaja S., Sokolovska L., Studers P., Kadiša A., Groma V., Skuja S.
Cartilage degradation and synovial inflammation in osteoarthritis progression:
morphological and molecular analysis
- 16.00 – 16.15** **Agne Misiute**, *Vilnius University, Lithuania*
Misiute A., Tutkuvienė J., Nedzinskiene L. Comparison of body mass index, body
image and self-esteem among women aged 25–65 before COVID-19,
during the first and second quarantine in Lithuania
- 16.15 – 17.30** **Coffee break** (Anatomicum Chapel Hall)
and

16.15 – 17.30

POSTER viewing

(the 1st or the 2nd floor of Anatomicum;
see the poster number in the Program)

- 1. Asare Lāsma**, *Rīga Stradiņš University, Latvia*
Asare L., Vetra J., Ivanovs A. Analysis of arm span to height ratio in Latvian
residents from different regions based on 1930s data
- 2. Brikune Elizabete**, *Rīga Stradiņš University, Latvia*
Brikune E., Pilmane M. Characterization of the pro-inflammatory, regulatory
and anti-inflammatory cytokines of placenta in different gestation times
- 3. Buile Dace**, *Rīga Stradiņš University, Latvia*
Buile D., Pilmane M., Akota I. Differences of tissue factors in bone and
cartilage between first-time and re-operated patients affected by facial clefts
- 4. Čepulienė Ramune**, *Vilnius University, Lithuania*
Čepulienė R., Miliauskienė Z., Tutkus V., Šimkūnaitė-Rizgelienė R., Vosyliute
R., Nedzinskiene L., Tutkuvienė J. In-person and remote anatomy studies,
application of digital tools in anatomy teaching: a comparative study
- 5. Damanskienė Eligija**, *Lithuanian University of Health Sciences, Lithuania*
Damanskienė E., Balnytė I., Valančiūtė A., Stakišaitis D. Experimental
comparative study of dichloroacetate salts and temozolomide effects
on pediatric glioblastoma in vivo and in vitro
- 6. Diržiuvienė Raminta**, *Lithuanian University of Health Sciences, Lithuania*
Diržiuvienė R., Šlekiene L., Palubinskienė J., Balnytė I., Lasiene K.,
Stakišaitis D., Valančiūtė A. Lung cancer cell tumors respond differently to
the treatment with sodium valproate in the chicken embryo chorioallantoic
membrane model
- 7. Edelmars Edgars**, *Rīga Stradiņš University, Latvia*
Edelmars E., Fišere I. Deep learning-based software for automated cell
detection and counting in whole-slide histological image analysis
- 8. Fedirko Pavlo**, *National Academy of Sciences of Ukraine, Ukraine*
Fedirko P., Pilmane M., *Rīga Stradiņš University*, Babenko T., Garkava N.,
Dorichevska R. Changes in the vitreous body in residents of radiation-
contaminated areas in the early period after a radiation disaster
- 9. Grabčika Arta**, *Rīga Stradiņš University, Latvia*
Grabčika A., Kažoka D., Vētra J. Craniofacial metrics of children aged
1–15 years in Latvia

10. **Jakovļevs Arvīds**, *Rīga Stradiņš University, Latvia*
Jakovļevs A. Histological analysis of chondrosarcoma in an uncommon cranial location: a case report
11. **Juknevičienė Milda**, *Lithuanian University of Health Sciences, Lithuania*
Juknevičienė M., Balnytė I., Valančiūtė A., Stakišaitis D. Effects of long-term treatment with a combination of valproic acid and sodium dichloroacetate in rats
12. **Kažoka Dzintra**, *Rīga Stradiņš University, Latvia*
Kažoka D., Pilmane M. Human olecranon parameters and shapes variability: insights from “Anatmage” study
13. **Kažoka Dzintra**, *Rīga Stradiņš University, Latvia*
Kažoka D., Pilmane M. Variability in ear morphology among virtual human bodies: insights from digital measurements
14. **Lapeikis Ignas**, *Lithuanian University of Health Sciences, Lithuania*
Lapeikis I., Rysevaite-Kyguoliene K., Malinauskas M., Paužiene N. Morphological changes of angiotensin II type 2 receptor at myenteric plexuses of diverticular disease in the human gastrointestinal tract
15. **Lasiene Kristina**, *Lithuanian University of Health Sciences, Lithuania*
Lasiene K., Radzeviciute S., Gasiliunas D., Juodziukyniene N., Zilaitiene B., Dabužinskiene A. Morphometrical parameters of 31–35-year-old men testes
16. **Martinsone-Bērzkalne Liene**, *Rīga Stradiņš University, Latvia*
Martinsone-Bērzkalne L., Umbraško S., Asare L. Results of arterial blood pressure in pre-school aged children in Rīga region
17. **Namm Aimar**, *University of Tartu, Estonia*
Namm A., Arend A., Torga T., Aunapuu M. Spatially and temporally restricted expression of BMP-2 and Shh during early development of human embryo spinal cord
18. **Naumovs Vladimirs**, *“Gintermuiža” Hospital, Latvia*
Naumovs V., Skuja S., Groma V. Expression of NaV1.2 in the hippocampus and cerebellum of epilepsy patients
19. **Palubinskienė Jolita**, *Lithuanian University of Health Sciences, Lithuania*
Palubinskienė J., Gorodetsky M. L., Kilimaitė E., Lekšas M. A pilot study of cells in human plantar fascia exposed to chronic ischemia due to atherosclerosis

17.30 – 18.30

Rīga walking tour(starts from the 1st floor, the Hall of the Anatomicum)

19.00 – 20.00

Singing doctors will enjoy
the meeting dinner participants[\(Restaurant “Gutenbergs”, Doma laukums 1, Centra region\)](#)

20.00 – 23.00

Meeting dinner[\(Restaurant “Gutenbergs”, Doma laukums 1, Centra region\)](#)

Third day

15/11/2024

Anatomicum Theatre –
Institute of Anatomy and Anthropology
(Blvd. Kronvalda 9, Rīga, Latvia)

9.00 – 10.30

PLENARY lectures

Chairman Māra Pilmane
(1st auditorium)

9.00 – 9.30

Ivan Varga, *Comenius University in Bratislava, Slovakia*

Varga I., Lapidis L., Babal P. Exploring the black box of human reproduction: the role of uterine (endometrial) natural killer cells in embryo implantation: from histology, through recurrent implantation failure and to future clinical perspectives

9.30 – 10.00

Andreas Winkelmann, *Medical School Brandenburg, Germany*

Anatomical body donation in Europe – history and ethical challenges

10.00 – 10.30

Selma Yilmazer, *Halic University, Turkey*

Yilmazer S., *Halic University, Turkey*, Gezen Ak. D., Dursun E., *Istanbul University, Turkey*. Alzheimer's disease and vitamin D related pathways

11.10 – 11.30

Coffee break (Anatomicum Chapel Hall)

11.30 – 13.10

ORAL presentations

(Parallel sections)

Chairmen:

Ingrīda Balnytė,
Renata Šimkūnaitė-Rizgelienė
(1st auditorium)

Chairmen:

Dzintra Kažoka,
Janina Tutkuvienė
(2nd auditorium)

11.30 – 11.50

Valērija Groma,

Rīga Stradiņš University, Latvia

Groma V., Naumovs V., Skuja S.

The impact of neuronal ion channels in epilepsy: a current overview

Egle Marija Jakimaviciene,

Vilnius University, Lithuania

Jakimaviciene E. M., Isakova J.,

Stasiunas A., Tutkuvienė J.

Shortening of the gestational age of newborns during 1995–2020 period: analysis of Lithuanian medical data of births

- 11.50 – 12.10** **Dalia Ranceviene,**
Lithuanian University of Health Sciences, Lithuania
Ranceviene D., Rysevaite-Kyguoliene K., Sabeckis I., Paužiene N. Understanding the impact of chronic hypertension on cardiac autonomic innervation from the end of life perspective
- 12.10 – 12.30** **Renata Šimkūnaitė-Rizgelienė,**
Vilnius University, Lithuania
Šimkūnaitė-Rizgelienė R., Laurinavičiūtė G., Reivytytė R., Virbauskytė V., Semenkovaite J., Šlažaitė G., Strelčenko J., Vosyliūtė R., Žalgevičienė V., Čepulienė R., Bartuškienė V., Tutkuvienė J.
Role of maternal undernutrition: comparison of histomorphological changes in visceral organs and retinas of two-generation rat offspring
- 12.30 – 12.50** **Inga Saburkine,**
Lithuanian University of Health Sciences, Lithuania
Saburkine I., Rysevaite-Kyguoliene K., Ranceviene D., Rekke K., Paužiene N., Khmel O., Pauža D. Comparative anatomy of the epicardial ganglionated nerve plexus in two pig breeds
- 12.50 – 13.10** **Ilze Štrumfa,**
Rīga Stradiņš University, Latvia
Štrumfa I., Šinkarevs S., Štrumfs B., Sperga M. Tumour microenvironment in solid and haematological malignancies
- 13.10 – 14.30** **Lunch** (Anatomicum Chapel Hall)
and
Guided tour in the Anatomicum historical collection

14.30 – 16.00 **ORAL presentations**

Chairmen: **Liāna Pļavina, Silvija Umbraško**
(1st auditorium)

- 14.30 – 14.45** **Darius Batulevičius,** *Lithuanian University of Health Sciences, Lithuania*
Batulevičius D., Skripkiene G., Levin D., Skripka V. Cholinergic and adrenergic nerve fibers in frog heart
- 14.45 – 15.00** **Kristīne Merkurjeva,** *Rīga Stradiņš University, Latvia*
Merkurjeva K., Vidusa L., Štrumfs B., Uljanovs R., Štrumfa I. The Association of Neutrophil-to-lymphocyte Ratio with In-hospital Mortality in COVID-19 Patients

- 15.00 – 15.15** **Kirsten Rekke**, *Lithuanian University of Health Sciences, Lithuania*
Rekke K., Rysevaite-Kyguoliene K., Onashko Y., Sabeckis I., Pauža D. H., Khmel O.
Nerve supply of aorta in rats
- 15.15 – 15.25** **Edgars Edelmērs**, *Rīga Stradiņš University, Latvia*
3D Gaussian Splatting for Real-Time Radiance Field Rendering in Anatomy
Education and 3D Model Creation
- 15.25 – 15.35** **Kaiva Zīle Zariņa**, *Rīga Stradiņš University, Latvia*
Zariņa K. Z., Pētersons A., Pilmane M. Evaluation of Immunomodulatory Tissue
Factors in Gallbladders of Pediatric Patients With Calculous Cholecystitis
- 15.35 – 15.45** **Matīss Zicāns**, *Rīga Stradiņš University, Latvia*
Zicāns M., Kažoka D., Skride A., Pilmane M. A Case Study on the Pulmonary
Arterial Tree: Detailed Anatomical and Topographical Analysis
- 15.45 – 16.00** **Laura Ozola**, *Rīga Stradiņš University, Latvia*
Ozola L., Pilmane M. Characterization of Tissue Immunity Defense Factors
of the Lip in Primary Dentition Children with Bilateral Cleft Lip Palate
- 16.00 – 17.30** **Coffee break** (Anatomicum Chapel Hall)
and

16.00 – 17.30

POSTER viewing

(the 1st and 2nd floor of Anatomicum;
see the poster number in the Program)

- Pilmane Māra**, *Rīga Stradiņš University, Latvia*
Pilmane M., Kažoka D., Vētra J., Gardovskis J., Pētersons A. Body donation
in Latvia during the last 30 years
- Pilmane Māra**, *Rīga Stradiņš University, Latvia*
Pilmane M., Lohova E., Melderis I., Gontar L., Kochanski M., Drutowska A.,
Prieto-Simon B. Comparison of healthy and diseased free-stall barn cow milk
microbiota, cytokines and antimicrobial proteins in seasonal aspect
- Pivrika Evelīna**, *Rīga Stradiņš University, Latvia*
Pivrika E., Petersons A., Junga A., Pilmane M. Distribution of genes and their
proteins in Ladd's band tissue
- Pļaviņa Liāna**, *Rīga Stradiņš University, Latvia*
Pļaviņa L. Effect of multi-stressor training on the antioxidative system
- Rysevaite-Kyguoliene Kristina**, *Lithuanian University of Health Sciences,
Lithuania*
Rysevaite-Kyguoliene K., Novikova J., Paužienė N. Changes in neuropeptides
expression in the jugular and nodose ganglion of the vagus nerve in arterial
hypertension during the age
- Rone Alise Elizabete**, *Rīga Stradiņš University, Latvia*
Rone A. E., Pilmane M. Galectin-10 characterization in cleft lip palate (CLP) -
affected palatal tissue
- Sabeckis Ignas**, *Lithuanian University of Health Sciences, Lithuania*
Sabeckis I., Rysevaite-Kyguoliene K., Pauža D. H. Abundance, morphology
and innervation of cardiac small intensely fluorescent cells
- Sėrikovaitė Evita**, *Vilnius University, Lithuania*
Sėrikovaitė E., Alčauskaitė J., Paulikaitė E., Aukštikalnienė R., Skujienė G.,
Žalgevičienė V. Effects of environmentally relevant concentrations of phthalates
on first generation rat embryo body and bone length

9. **Skredenienė Ruta**, *Lithuanian University of Health Sciences, Lithuania*
Skredenienė R., Stakišaitis D., Valančiūtė A., Balnytė I. A comparative study of effectiveness of sodium dichloroacetate and temozolomide on glioblastoma xenograft growth
10. **Šlekiene Lina**, *Lithuanian University of Health Sciences, Lithuania*
Green T., Šlekiene L., Gunhaga L. CAM-Delam – an in vivo assay to visualize and quantify the delamination and invasion capacity of human cancer cells
11. **Torga Taavi**, *University of Tartu, Estonia*
Torga T., Suutra S., Kisand K., Aunapuu M., Arend A. The expression of collagen neopeptide C2C in the articular cartilage and its relation with joint tissue damage in patients with knee osteoarthritis
12. **Umbraško Silvija**, *Rīga Stradiņš University, Latvia*
Umbraško S., Martinsone-Bērzkalne L., Edelmers E., Asare L. Analysis of indices of children's physical development in a longitudinal study
13. **Vaivads Mārtiņš**, *Rīga Stradiņš University, Latvia*
Vaivads M., Pilmane M. Distribution of immunomodulation, protection and regeneration factors in cleft affected bone and cartilage
14. **Vosyliūtė Rūta**, *Vilnius University, Lithuania*
Vosyliūtė R., Anchahbar Charki H., Šimkūnaitė-Rizgelienė R., Bikulčienė I., Baleišis J., Rudys R., Tutkuvienė J. Chronic stress impact on pancreas morphology in type 1 diabetes mellitus
15. **Apele Zane**, *Rīga Stradiņš University, Latvia*
Apele Z., Pilmane M. Differences in expression of defensin-3, defensin-2, LL-37, Galectin-10, CD163 in oral mucosa of control group and patients with chronic periodontitis
16. **Bode Mārtiņš**, *Rīga Stradiņš University, Latvia*
Bode M., Strance Ģ., Kažoka D. Mastering epoxy resin for educational model creation
17. **Derbeņeva Darja**, *Rīga Stradiņš University, Latvia*
Derbeņeva D., Pilmane M., Pētersons A. Growth factors in the wall of anomalies-affected gallbladder of children
18. **Kuļibaba Georgijs**, *Rīga Stradiņš University, Latvia*
Kuļibaba G., Kažoka D. Exploring the diverse branching patterns of arbor vitae
19. **Pauliņš Arvis**, *Rīga Stradiņš University, Latvia*
Pauliņš A., Pilmane M. Morphopathogenic factors of neonate intra-abdominal adhesions: a pilot study
20. **Trošins Daniils**, *Rīga Stradiņš University, Latvia*
Trošins D., Kratovska A., Kažoka D., Pilmane M. Radiological insights into chronic pelvic congestion syndrome and May-Thurner syndrome: a comparative study of selected cases in Latvia

17.30 – 18.00

End of sessions and conclusions.
Awards ceremony.
Baltic morphologist business meeting.
(1st auditorium)



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