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# CURRICULUM VITAE

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**Date of Birth:** October 14, 1963, Vilnius, Lithuania
**Nationality:** Lithuanian

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**Education:**

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| 1987 | M.D. Vilnius University, Faculty of Medicine |
| 1992 | Ph.D. Moscow Medical Academy |
| 1997 | Fellowship in Renal Pathology, Brigham and Women's Hospital, Harvard Medical School |

**Postdoctoral Training / Mobility:**

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| 9-10/1994 | Training in Renal Pathology, Department of Pathology, Lutheran General Hospital, University of Chicago, IL |
| 11/1994-3/1995 | Visiting Scientist, Renal Division, Brigham and Women's Hospital, Harvard Medical School, MA |
| 1-4/1999 | Visiting Scientist, Brigham and Women's Hospital, Harvard Medical School, MA |
| 1-4/1999 | Visiting Scientist, Brigham and Women's Hospital, Harvard Medical School, MA |
| 3/2011 | Visiting Scientist, Francois Baclesse Cancer Centre, Caen, France |
| 7-8/2015 | Visiting Scientist, TissueGnostics, Vienna, Austria |
| 3/2016 | Visiting Scientist, Brigham and Women's Hospital, Harvard Medical School, MA |
| 7/2016 | Visiting Scientist, AstraZeneca, Cambridge, UK |
| 3-4/2017 | Visiting Scientist, AstraZeneca, Cambridge, UK |
| 3/2018 | Visiting Scientist, UC Davis, Sacramento, CA, CA |
| 8/2018 | Visiting Scientist, Marine Biological Laboratory, Woods Hole, MA |
| 8/2019 | Visiting Scientist, Marine Biological Laboratory, Woods Hole, MA |

**Licensures and Certificates:**
Licensed to practice pathology in Lithuania

**Academic Appointments:**

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| 2024 - | Research professor, Translational Health Research Institute, Vilnius University Faculty of Medicine |
| 2016 - | Head of Pathology and Forensic Medicine Department, Vilnius University Faculty of Medicine |
| 2007- | Professor in Pathology, Vilnius University |
| 2003-2006 | Associate Professor in Pathology, Vilnius University |
| 1997- | Course Leader of Pathology, Vilnius University |
| 1992-2003 | Lecturer in Pathology, Vilnius University |
| 1990-1991 | Instructor in Pathology, Moscow Medical Academy |
| 1987-1989 | Instructor in Pathology, Vilnius University |

**Clinical Appointments:**

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|---|---|
| 2011- | Director and Consultant Pathologist, National Center of Pathology, affiliate of Vilnius University Hospital Santaros Klinikos, Lithuania |
| 1993-2011 | Director and Consultant Pathologist, National Center of Pathology, Ministry of Health, Lithuania |

**Other Professional Positions:**

1993-2005 Consultant for Pathology, Ministry of Health, Lithuania

**Major Committee Assignments:**

2015- Member, Editorial Board, *Journal of Pathology Informatics*
2013-2014 Member, Working Group on Biomedical Research and Biobanking Law, Ministry of Health
2011-2012 Member, Working Group on Biomedical Research and Biobanking Regulation, Lithuanian Parliament
2010- Member, Editorial Board, *Diagnostic Pathology*
2009- Vice-Chair, Coordinating Committee for National Cervical Cancer Screening at the Ministry of Health
2007-2008 Chair, Committee on Laboratory Test Data Storage and Exchange, Ministry of Health
2007-2012 Member, Management Board, International Health Terminology Standards Development Organisation (currently, SNOMED International, www.snomed.org)
2007-2009 Chair, Research and Innovation Committee, International Health Terminology Standards Development Organisation (currently, SNOMED International, www.snomed.org)
2006-2007 Chair, Working Group for the Establishment of the SNOMED Standards Development Organization, Ministry of Health, Lithuania
2006-2011 Member, Coordinating Committee for the National E.Health Project
2005-2006 Member, Supervisory Committee for the National E.Health Project
2005-2007 Chair, Committee on Review of Pathologist Licencing Regulations
2004-2008 Member, Coordinating Committee for National Cervical Cancer Screening
2004-2009 Chair, Coordinating Council on Pathology Services Investment Program, Lithuania, Ministry of Health
2003 Chair, Committee on Revision of Deceased Patient's Post-mortem Examination Authorisation Act, Ministry of Health
2003 Member, Committee on Organization of Forensic Medicine Services, Ministry of Health together with other government institutions
2002 Member, Committee on Healthcare Information Systems Development, Ministry of Health
2001 Chair, Committee on Licensing Regulations for Pathology Services, Ministry of Health
2001 Member, Committee on Pathology Services Reimbursement System, Ministry of Health
2000-2001 Member, Academic Commission of the Medical Faculty of Vilnius University
1999-2000 Chair, Committee on Development of the National Quality Requirements for Pathology Services, Ministry of Health
1999-2000 Chair, Committee on Development of Pathology Reimbursement System, Ministry of Health
1999-2003 Chair, Coordinating council on Pathology Equipment Renovation Program, Ministry of Health
1998 Chair, Committee on Death Certificate Regulations, Ministry of Health
1998 Member, Committee on Pathologist Licensure Regulation, Ministry of Health
1994-1995 Chair, Committee on Pathology Reimbursement, Ministry of Health

**Memberships, Offices, Committee Assignments in Professional Societies:**

2018- Member, Renal Pathology Society
2014-2018 Chair, Biobank-LT – Lithuanian Research Biobank Consortium
2013-2019 Chair, SVIBI.LT – Lithuanian Association of Health Informatics and Bioinformatics.
2011-2019 Board Member, International Academy of Digital Pathology.
2011-2019 Board Member, Association of Santara Valley
2010 Chair of the Organizing Committee, 10th European Congress of Digital Pathology, Vilnius, Lithuania
2008-2016 Board Member, Association of Innovative Medicine Technologies and Biopharmacy
2003-2018 President, Association of the Santariskes Medical Institutions
2015- Board Member, Lithuanian Society of Pathology
2003-2015 Vice-Chairman, Lithuanian Society of Pathology
2001-2007 Vice-President, Lithuanian Nephrology, Dialysis ant Transplant Association
1998-2008 Affiliate Member, College of American Pathologists
1998-2000 Chairman, Vilnius Society of Pathology
1996-2003 Member, International Society of Nephrology
2018- Member, European Society for Digital & Integrative Pathology
1995-1997, 2013-European Society of Pathology
1994-1996 Member, EDTA/ERA

1993-1995, 1999- Advisor, Students' Scientific Society, Faculty of Medicine, Vilnius University
1992- Member, Lithuanian Association of Nephrology, Dialysis and Transplantation
1987- Member, Lithuanian Society of Pathology

**Presentations:**

1. *Application of Digital Tools in Renal Pathology*, ISN World Congress of Nephrology, Deli, India, 2025.
2. *President, 20th European Congress on Digital Pathology 2024*, 2024, Vilnius.
3. *Computational Models for Kidney Pathology Assessment*, Bergen Meeting of Nephrology, Norway, 2023.
4. *Digital Transformation in Nephropathology*, 5th International Renal Pathology Conference, Zagreb, Croatia, 2023.
5. *Computational Pathology for Precision Medicine*, AI Lithuania, Vilnius, Lithuania, 2023.
6. *Digital Pathology Biomarkers for Breast Cancer*, Sharing Progress in Cancer Care, online, 2023.
7. *Digital Intelligence for Tissue Pathology*, Molecular Diagnostics & Image Analysis Training School, Vienna 2023
8. *Digital and Computational Pathology: Towards Augmented Intelligence*, Estonian Society of Oncologists conference, Tallinn, Estonia, 2022.
9. *Digital and Computational Pathology: Enabling Pathologists*, European Society of Pathology Academy, Genval, Belgium, 2022.
10. *Computational Pathology Intro*, Eastern European Machine Learning Summer School, Vilnius, 2022.
11. *Digital Data-Driven Kidney Pathology Assessment*, 59TH ERA CONGRESS (European Renal Association), Paryžius, Prancūzija, 2022.
12. *Digital Pathology Biomarkers for Breast Cancer*, ESO-ESP Online Digital Pathology Seminar, online, 2021.
13. *Intratumoral heterogeneity and immune response in breast carcinoma*, 18th European Congress on Digital Pathology, 2021.
14. *Digital Intelligence for Tissue Pathology*, Molecular Diagnostics & Image Analysis Training School 2021, online, 2021.
15. *Immunogradient: lymphocyte density profiles across the tumour-host interface*. Spatial Biology: Revolutionizing Tissue Imaging and Analysis using Spatial profiling (*webinar*), 2021.
16. *Intratumoral heterogeneity and immune response in breast carcinoma*. 17th European Congress on Digital Pathology (ECDP), 2021.
17. *Pathology image analytics: going beyond visual*. Image Analysis Training School (IATS), Vienna, Austria, 2020.
18. *Mining HALO for advanced spatial analytics.* 6th Digital Pathology & AI Congress, London, JK, 2019.
19. *The Immunogradient of CD8+ cell density in the tumour-stroma interface zone predicts overall survival of patients with hormone receptor-positive invasive ductal breast carcinoma*. 31st European Congress of Pathology, Nice, France, 2019.
20. *Prognostic value of CD8 Immunogradient indicators in tumour-stroma interface zone of colorectal cancer.* 31st European Congress of Pathology, Nice, France, 2019.
21. *Deep Context Pathology for Precision Medicine*. 4th International Conference on Digital Pathology, Zurich, Switzerland, 2019.
22. *Automated tumour-stroma interface zone CD8+ Immunogradient indicators predict overall survival of the patients with breast and colorectal carcinoma*. Immuno-Oncology Summit, Boston, USA, 2019.
23. *Benefits of digital pathology*. 15th International Congress for Stereology and Image Analysis, Aarhus, Denmark, 2019.
24. *Pathology image analytics: going beyond visual*. Image Analysis Training School (IATS), Vienna, Austria, 2019.
25. *Deciphering tissue microenvironment with imaging and analytics*. 15th European Congress on Digital Pathology, Warwick, UK, 2019.
26. *Digital Pathology Analytics for Biomarker Assessment.* Cancer Immunotherapy Workshop, Riga, Latvia, 2018.
27. *Tissue Pathology, Mining Deeper with Imaging and Analytics*. 162nd ICB Seminar, Warsaw, Poland, 2018.
28. *Getting Pathology Pixels to Work*. 14th European Congress of Digital Pathology, Helsinki, Finland, 2018.
29. *Tissue Pathology Analytics: Digging Out More*. UC Davis, Pathology Department, Sacramento CA, USA, 2018
30. *Reading IHC Slides: Can Machines Do Better Than Humans?* 10th Joint Meeting of the British Division of the International Academy of Pathology and the Pathological Society of Great Britain & Ireland, Belfast, UK, 2017.
31. *Digital Pathology - Getting Online*. 24th German Baltic Symposium and IAP Baltic Division meeting, Riga, Latvia, 2017.
32. *HPV and cancer.* IncoNet EaP Twinning Grants Project, New Vision University, Tbilisi, Georgia, 2016.
33. *Pathology Online - Ready to Use?* Leeds University Hospital, Department of Pathology, UK, 2017.
34. *Pathology Online – Ready to Use?* 4th Nordic Symposium on Digital Pathology, Linkoping, Sweden, 2016.

35. *Comprehensive Immunohistochemistry: Digital, Analytical and Integrated*. XXXI International Congress of the International Academy of Pathology and 28th Congress of the European Society of Pathology, Cologne, Germany, 2016.
36. *Comprehensive Immunohistochemistry: Digital, Analytical, Integrated*. AstraZeneca, Cambridge, UK, 2016.
37. *Comprehensive Immunohistochemistry: Digital, Analytical, Integrated*. Brigham and Women's Hospital, Department of Pathology, MA, USA, 2016.
38. *Automated Image Analysis of HER2 FISH Enables New Definitions of Genetic Heterogeneity in Breast Cancer Tissue*. 13th European Congress on Digital Pathology, Berlin, Germany, 2016.
39. *Digital Immunohistochemistry for Tissue-Based Diagnosis and Research: What Could and Should be Done?* Digital Pathology Congress, London, UK, 2014.
40. *Digital Immunohistochemistry to Retrieve Novel Information on Biomarker Expression*. 26th European Congress of Pathology, London, UK, 2014.
41. *Digital Immunohistochemistry Platform for the Staining Variation Monitoring Based on Integration of Image and Statistical Analyses with Laboratory Information System*. 12th European Congress on Digital Pathology, Paris France, 2014.
42. *Digital Immunohistochemistry Wizard: Image Analysis-Assisted Stereology Tool to Produce Reference Data Set for Calibration and Quality Control*. 12th European Congress on Digital Pathology), Paris, France, 2014.
43. *Automated Image Analysis Enables Accurate Enumeration of the Ki-67 Labeling Index of Breast Cancer*. 25th European Congress of Pathology, Lisbon, Portugal, 2013.
44. *Digital Image Analysis for Better Accuracy in Pathology*. XXIX Congress of International Academy of Pathology, Cape Town, South African Republic, 2012.
45. *Perspectives of Routine Tissue-Based Diagnosis: Lean and Digital*. 24th European Congress of Pathology, Prague, Czech Republic, 2012.
46. *Digital Immunohistochemistry: New Horizons and Practical Solutions in Breast Cancer Pathology*. 11th European Congress on Telepathology and Virtual Microscopy, Venice, Italy, 2012.
47. *Inter-Observer Variability and Evaluation of Automated Image Analysis Tools.* 23rd European Congress of Pathology, Helsinki, Finland, 2011.
48. *Digital Image Analysis in Pathology: Benefits and Obligations*, 1st Congress of International Academy of Digital Pathology, Quebec, Canada, 2011.
49. *The Results of Automated Image Analysis Workshop at the 10th European Congress on Telepathology and 4th International Congress on Virtual Microscopy*, Pathology Visions, San Diego, CA, USA 2010.

**Projects, participation / leadership:**

2024-2027 Polychromatic Polarization Microscopy for Machine Learning in Tissue Pathology (PPM4ML), Lithuanian Research Council, Researcher groups project, (199988 Eur)

2024-2026 Development of a clinical multi-omics platform to deliver diagnostic and advanced therapy solutions for oncological diseases (ONCOINTEGRA) (one of "Implementation of Mission-based Science and Innovation Programs" projects, coordinator, , financed by the Economic Recovery and Resilience Plan "Next Generation Lithuania" and the State Budget of the Republic of Lithuania (320000 Eur).

2023-2027 Data Center for Machine Learning and Quantum Computing in Natural and Biomedical Sciences (Project no.: S-A-UAI-23-11)/MF involved in "Center of Excellence in Digital Medicine" (SMEC), LR budget (LMT, ŠMSM), *project section leader* (374000 Eur)

2021-2024 Participant, *Artificial intelligence-driven prediction of BCG immunotherapy response in patients with non-muscle invasive papillary urothelial carcinoma*, Lithuanian Research Council, grant P-MIP-21-249.

2018-2021 Project leader, *Deep-Context Tissue Analytics for Integrated Pathology Modeling in Tumors and Kidney Allografts, Lithuanian Research Council/European Social Fund, Global Grant (598,348 Eur)*

2015-2018 Project Leader, *Novel Biomarkers for Individualized Therapy of Colon Cancer: Proteomics, microRNomics and Clinics*, Lithuanian Research Council (199,990 Eur)

2013-2017 Participant, *Academia and Industry Collaboration for Digital Pathology (AIDPATH)*, FP7-PEOPLE-2013-IAPP, Marie Curie Actions-Industry-Academia Partnerships and Pathways (IAPP) (Total the consortium: 3,021,689 Eur)

2013-2015 Project leader, *Comprehensive Biomarker Intra-Tumour Heterogeneity Evaluation by Digital*

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| | *Immunohistochemistry Image Analysis*, Lithuanian Research Council/European Social Fund, Global Grant (264,739 Eur). |
| 2012-2014 | Senior researcher, *Complex Molecular Biomarkers for Prostate Cancer*, Lithuanian Research Council (222,515 Eur) |
| 2010 | Project leader, *Human Biological Resource Center* (a comprehensive description of the infrastructure for the Lithuanian Research Council) (6,371 Eur). |
| 2010–2011 | Project leader, *National Centre of Pathology Building Renovation, Increasing Energy Efficiency*, project funded by European Union structural funds (988,744 Eur). |
| 2009–2011 | *Santariškes Medical Staff Training*, funded by European Union structural funds, SMĮA (Grant: |
| 2009–2012 | Santara Valley Education Program (establishment of Joint Innovative Medicine Centre) (Total - 14,770,620 Eur, NCP – 810,936 Eur) |
| 2009–2010 | *Development of Merkel Cell Polyoma Virus Diagnostic Tools*, Lithuanian Research Council (23,169 Eur) |
| 2008–2010 | Project leader, *SNOMED CT Technology Platform Development for Lithuania*, National investment program (724,050 Eur) |
| 2008-2010 | Project leader, *National Centre of Pathology Capacity Building in Early Cancer Diagnostics*, European Economic Area and Norwegian Financial Mechanisms, Oslo University Hospital (426,067 Eur). |
| 2007-2010 | *Telepathology Network in Europe* (COST IC0604), with KTU (Department of Computer Science), 20 countries, 37 partners (28,962 Eur) |
| 2007–2009 | *Analysis of Prognostic Factors of Precancerous Cervical Pathology Using Microarray Technologies* (10,426 Eur) |
| 2007–2009 | *European Pathology Assessment & Learning System* (EUROPALS) 15 countries, 30 partners (European Pathology Departments and Institutes). Development of European Pathologists Certification and Learning System (11,584 Eur) |
| 2007-2009 | *Molecular Breast and Prostate Cancer Markers in Determining the Value of the Disease Process and Treatment Characteristics*, Lithuanian Research Council (Grant: 66,033 Eur) |
| 2005–2008 | *Medical Technologies Physical and Nanophotonics Research and Studies Centre*, VUOI, VUEKMI, VU, VU MF, VU FF, BMTI, VULSK, VU IMI, KMU, KMUK, KMU BTC (Grant: 1,894,939 Eur) |
| 2005-2007 | *Creation of Intracranial Aneurysms Models Angiographic Studies* |
| 2005-2007 | *Fabry Disease on Dialysis, Lithuania Sample Survey Among Men*, LNDTA |
| 2007–2009 | *Creation of Prostate and Breast Cancer Molecular Markers System*, VU, VUOI, VULSK, JSC *Fermentas*, Toronto Mental Health Epigenetics Laboratory, Canada |
| 2006–2009 | *Detection of Cervical Precancerous Changes by PAPSPIN Method*, VUOI, "ThermoShandon" Ltd. |
| 1998-2000 | *Convergence of European Renal Transplant Pathology Assessment Procedures, CERTPAP, EU* |

**Self-report of teaching:**

**Vilnius University, Faculty of Medicine:**

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| 2007- | Pathology for Medical, Odontology, Medical Biology, and Public Health Students, Professor and Course Leader, 300 Students |
| 1997- | Pathology for Medical, Odontology, Medical Biology, and Public Health Students, Lecturer and Course Leader, 150 Students, |
| 1993 | Kidney Biopsy Diagnosis Course, Leader, 5-6 Pathologists, 90 hours/year |
| 1992- | Autopsy and Biopsy Course, Section Leader, 36 5th Year Medical Students, 54 hours/year |
| 1992-1995 | Pathology of Kidney Diseases, Lecturer, 150 Medical Students, 2 hours/year |
| 1992- | Pathology, Instructor, 60 Medical Students (sections), 48 hours/year |
| 1987-1989 | Pathology, Instructor, 12 Medical Students (section), 48 hours/year |

**Moscow Medical Academy:**

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| 1990-1991 | Pathology, Instructor, 14 Medical Students (section), 48 hours/year |

**Harvard Medical School:**

Seminars in Renal Pathology for medical students, pathology residents, nephrology residents and fellows, house officers

**BIBLIOGRAPHY**

https://www.webofscience.com/wos/author/record/F-9039-2012
https://orcid.org/0000-0001-9232-1730
https://www.researchgate.net/profile/Arvydas_Laurinavicius

Clarivate Analytics *h*-index: 27

1. Witowski J, Zeng KG, Cappadona J, Elayoubi J, Choucair K, Chiru ED, Chan N, Kang YJ, Howard F, Ostrovnaya I, Fernandez-Granda C, Schnabel F, Steinsnyder Z, Ozerdem U, Liu K, Abdulsattar W, Zong Y, Daoud L, Beydoun R, Saad AM, Thakore N, Sadic M, Yeung F, Liu E, Hill T, Swett B, Rigau D, Clayburn AJ, Speirs V, Vetter M, Sojak L, Muenst S, Baumhoer D, Pan JW, Makmur H, Teo SH, Pak LM, Angel V, Zilenaite-Petrulaitiene D, Laurinavicius A, Klar N, Piening BD, Bifulco C, Jun SY, Yi JP, Lim SH, Brufsky A, Esteva FJ, Pusztai L, LeCun Y, Geras KJ: **Multi-modal AI for comprehensive breast cancer prognostication.** Nat Commun 2026 10.1038/s41467-026-73088-y https://www.ncbi.nlm.nih.gov/pubmed/42161927, https://www.nature.com/articles/s41467-026-73088-y.pdf
2. Lin YC, Drachneris J, Rasmusson A, Fabijonavicius M, Li WM, Lee HY, Chuang CC, Jankevicius F, Wu WJ, Liang PI, Laurinavicius A: **Computational pathology model to predict recurrence-free survival in NMPUC patients on BCG-therapy.** NPJ Precis Oncol 2026 10.1038/s41698-026-01554-3, https://www.ncbi.nlm.nih.gov/pubmed/42277145, https://www.nature.com/articles/s41698-026-01554-3_reference.pdf
3. Kanapeckaite A, Peters CJ, Laurinavicius A, Geris L: **Novel discovery framework: harnessing adaptive learning for breakthroughs in drug development and clinical applications.** Integr Biol (Camb) 2026 10.1093/intbio/zyaf024 https://www.ncbi.nlm.nih.gov/pubmed/41665938, https://orbi.uliege.be/bitstream/2268/346987/1/novel%20discovery%20framework.pdf
4. Hogstrom L, Laurinavicius A, Alvarez MG, Nakken S, Guldvik IJ, Sanchez CM, Papadodima O, Voutetakis K, Maehle PM, Zerbe N, Sekerija M, Fullaondo A, Hovig E: **European cancer data sharing: Analyses of an international survey.** Int J Med Inform 2026. p. 106544, 10.1016/j.ijmedinf.2026.106544 https://www.ncbi.nlm.nih.gov/pubmed/42284829
5. Fabijonavicius M, Garnelyte A, Zilenaite-Petrulaitiene D, Rasmusson A, Drachneris J, Cekauskas A, Jankevicius F, Laurinavicius A: **Spatially-resolved CD8+ and CD34+ computational immunohistochemistry indicators improve post-nephrectomy risk stratification in clear cell renal cell carcinoma.** Hum Pathol 2026. p. 106114, 10.1016/j.humpath.2026.106114 https://www.ncbi.nlm.nih.gov/pubmed/41932509, https://www.sciencedirect.com/science/article/pii/S0046817726000833?via%3Dihub
6. Dapkute A, Niaksu O, Juodakis J, Jankauskiene D, Trinkunas J, Laurinavicius A, Jovaisa T, Ringaitiene D, Atraskeviciene M, Masiliunas R: **Lithuania's National Digital Health System Architecture, Evolution, and Lessons From a Centralized Approach Using Longitudinal Document Analysis: Descriptive National Case Study.** JMIR Form Res 2026. p. e91911, 10.2196/91911 https://www.ncbi.nlm.nih.gov/pubmed/42684811
7. Zilenaite-Petrulaitiene D, Rasmusson A, Valkiuniene RB, Laurinaviciene A, Petkevicius L, Laurinavicius A: **Reproducibility of Ki67 Haralick entropy as a prognostic marker in estrogen receptor-positive HER2-negative breast cancer.** Am J Clin Pathol 2025. pp. 567-80, 10.1093/ajcp/aqaf081, https://www.ncbi.nlm.nih.gov/pubmed/40795826
8. Zilenaite-Petrulaitiene D, Rasmusson A, Besusparis J, Valkiuniene RB, Augulis R, Laurinaviciene A, Plancoulaine B, Petkevicius L, Laurinavicius A: **Intratumoral heterogeneity of Ki67 proliferation index outperforms conventional immunohistochemistry prognostic factors in estrogen receptor-positive HER2-negative breast cancer.** Virchows Arch 2025. pp. 287-98, 10.1007/s00428-024-03737-4 https://www.ncbi.nlm.nih.gov/pubmed/38217716, https://link.springer.com/content/pdf/10.1007/s00428-024-03737-4.pdf
9. Weishaupt H, Besusparis J, Weis CA, Porubsky S, Laurinavicius A, Leh S: **Unsupervised learning for labeling global glomerulosclerosis.** Comput Biol Med 2025. p. 110719, 10.1016/j.compbiomed.2025.110719 https://www.ncbi.nlm.nih.gov/pubmed/40752400, https://www.sciencedirect.com/science/article/pii/S0010482525010704?via%3Dihub
10. Cerkauskaite-Kerpauskiene A, Navickaite M, Savige J, Mazur G, Brazdziunaite D, Azukaitis K, Slazaite G, Laurinavicius A, Miglinas M, Vainutiene V, Strupaite-Sileikiene R, Misevice A, Mickeviciene V, Cerkauskiene R: **Lithuanian Study on COL4A3 and COL4A4 Genetic Variants in Alport Syndrome: Clinical Characterization of 52 Individuals from 38 Families.** Int J Mol Sci 2025 10.3390/ijms26157639 https://www.ncbi.nlm.nih.gov/pubmed/40806767
11. Zilenaite-Petrulaitiene D, Rasmusson A, Valkiuniene RB, Laurinaviciene A, Petkevicius L, Laurinavicius A: **Spatial distributions of CD8 and Ki67 cells in the tumor microenvironment independently predict breast**

**cancer-specific survival in patients with ER+HER2- and triple-negative breast carcinoma.** PLoS One 2024. p. e0314364, 10.1371/journal.pone.0314364 https://www.ncbi.nlm.nih.gov/pubmed/39576843, https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0314364&type=printable
12. Tucci F, Laurinavicius A, Kather JN, Eloy C: **The digital revolution in pathology: Towards a smarter approach to research and treatment.** Tumori 2024. pp. 241-51, 10.1177/03008916241231035 https://www.ncbi.nlm.nih.gov/pubmed/38606831 https://journals.sagepub.com/doi/10.1177/03008916241231035
13. Stulpinas R, Jakiunaite I, Sidabraite A, Rasmusson A, Zilenaite-Petrulaitiene D, Strupas K, Laurinavicius A, Gulla A: **Low CD8+ Density Variation and R1 Surgical Margin as Independent Predictors of Early Post-Resection Recurrence in HCC Patients Meeting Milan Criteria.** Curr Oncol 2024. pp. 5344-53, 10.3390/curroncol31090394 https://www.ncbi.nlm.nih.gov/pubmed/39330022
14. Salto-Tellez M, Eloy C, Laurinavicius A, Fraggetta F: **Integrated diagnostics, complex biomarkers, and a new frontier for tissue pathology.** Histopathology 2024. pp. 562-5, 10.1111/his.15298, https://www.ncbi.nlm.nih.gov/pubmed/39210586
15. Rackauskas R, Luksaite-Lukste R, Stulpinas R, Bausys A, Paskonis M, Kvietkauskas M, Sokolovas V, Laurinavicius A, Strupas K: **The Impact of Chemotherapy and Transforming Growth Factor-beta1 in Liver Regeneration after Hepatectomy among Colorectal Cancer Patients.** J Pers Med 2024 10.3390/jpm14020144 https://www.ncbi.nlm.nih.gov/pubmed/38392578
16. Lengvenis G, Drachneris J, Zurauskas E, Ekkert A, Berukstis A, Kurminas M, Gircius R, Mikelis K, Afanasjev A, Ryliskiene K, Laurinavicius A, Tamosiunas AE: **Association between Left Atrial Appendage Morphology and Clot Histology in Patients with Embolic Ischemic Stroke: An Exploratory Study.** J Clin Med 2024 10.3390/jcm13061734 https://www.ncbi.nlm.nih.gov/pubmed/38541959
17. Gulla A, Stulpinas R, Grigonyte A, Zilenaite-Petrulaitiene D, Rasmusson A, Laurinavicius A, Strupas K: **Overall Survival Prediction by Tumor Microenvironment Lymphocyte Distribution in Hepatocellular Carcinoma After Liver Transplantation.** Journal of Surgical Research 2024. pp. 457-67, 10.1016/j.jss.2023.10.011 <Go to ISI>://WOS:001135307800001
18. Gryguc A, Maciulaitis J, Mickevicius L, Laurinavicius A, Sutkeviciene N, Grigaleviciute R, Zigmantaite V, Maciulaitis R, Bumblyte IA: **Prevention of Transition from Acute Kidney Injury to Chronic Kidney Disease Using Clinical-Grade Perinatal Stem Cells in Non-Clinical Study.** Int J Mol Sci 2024 10.3390/ijms25179647 https://www.ncbi.nlm.nih.gov/pubmed/39273595
19. Drachneris J, Morkunas M, Fabijonavicius M, Cekauskas A, Jankevicius F, Laurinavicius A: **Spatial Distribution of Macrophage and Lymphocyte Subtypes within Tumor Microenvironment to Predict Recurrence of Non-Muscle-Invasive Papillary Urothelial Carcinoma after BCG Immunotherapy.** Int J Mol Sci 2024 10.3390/ijms25094776 https://www.ncbi.nlm.nih.gov/pubmed/38731992, https://mdpi-res.com/d_attachment/ijms/ijms-25-04776/article_deploy/ijms-25-04776.pdf?version=1714207665
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