

POSTER PRESENTATION COMPETITION

| POSTER | TITLE | AUTHOR(S) |
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| P1 | Overcoming limitations of conventional fluorescence slide scanning with multispectral approaches | Carla Coltharp, Yi Zheng, Chichung Wang, Kristin Roman, Ryan Dilworth, Linying Liu, Rachel Schaefer, Clifford Hoyt, Peter Miller |
| P2 | Whole-Slide Multispectral Imaging: Workflows and Applications | Peter Miller, Yi Zheng, Darryn Unfricht, Kent Johnson, Carla Coltharp |
| P3 | Pathologists' accuracy and precision rates for PD-L1 immune cell quantitation using a digital pathology image analysis algorithm in urothelial carcinoma samples | Barnes Michael, Bai, Isaac, Nguyen Kien, Bredno Joerg, Fonstad, Rachel, Agarwal Suresh, Patil Suhas, Clements Judith, Jones Carol, Gardner Tracie, Bechert Charles, Ngadiman Sutini, Djalilvand Azita, Guetter Christoph |
| P4 | Artificial Intelligence based Spermatogenesis Staging to aid reproductive toxicology study in Wistar Rat | Rohit Garg, Satish Panchal, Ankit Sahu, Tijo Thomas, Anindya Hajra, Uttara Joshi |
| P5 | Integration of Digital Pathology Documentation Workflow in a large biobank | Vinicius Duval da Silva, Iara V. Santana, Gisele C. de Almeida, Marcus M. Matsushita, Marcelo C. da Cruz, Anne C. Rendeiro, Kelly C. C. da Costa, Lucas S. Vêras, Caio S. Schmidt, Chrissie C. Amiratti, Gustavo R. Teixeira, Márcia M.C.M. Silveira |
| P6 | Annotation of Whole Slide Images Using Touchscreen Technology | Jessica L Baumann, Karl Garsha, Mike S Flores, Faith Ough, Ehab A ElGabry |
| P7 | A Pilot Study of Computer-Aided Focus Score Calculation for Sjogren's Biopsies | Yingci Liu, Liron Pantanowitz |
| P8 | Utilization and Application Trends in Whole Slide Imaging from an Early Adopting Institution | Matthew Gayhart, Steven Christopher Smith |
| P9 | Cross Generational Approval and Demand for Online Digital Cytology Modules | Mariam A. Molani, Maheswari Mukherjee, Ana Yuil Valdes, Amber Donnelly, Elizabeth Lyden, Stanley J. Radio |
| P10 | Visualizing the changes in cytotechnology students' performance in evaluating digital images | Maheswari Mukherjee, Amber Donnelly, Blake Rose, David E. Warren, Elizabeth Lyden, Karyn Varley, Liron Pantanowitz |
| P11 | Advanced Deep Convolutional Neural Network Approaches for Digital Pathology Image Analysis: a comprehensive evaluation with different use cases | Md Zahangir Alom, Theus Aspiras, Tarek M. Taha, Vijayan K. Asari, Dave Billiter, TJ Bowen |
| P12 | A Robust Automated Digital Image Analysis Algorithm for Detecting Thyroid Follicular Neoplasm | Keluo Yao, Xin Jing, Amer Heider, Judy C Pang, Robertson Davenport, Madelyn Lew |
| P13 | Mid-IR Label-Free Digital Pathology for the Identification of Biomarkers in Tissue Fibrosis | Hari Sreedhar, Shaiju Nazeer, David Martinez, Grace Guzman, Jeremy Rowlette, Sanjeev Akkina, Suman Setty, Michael J Walsh |
| P14 | Breast cancer gold-standard using supervised learning based on multiple expert | Violeta Chang |
| P15 | Nagasaki-Kameda digital pathology network – Establishing a role model for primary diagnosis and multidisciplinary team consultation with effective educational attainment | Wataru Uegami, Andrey Bychkov, Kishio Kuroda, Yukio Kashima, Yuri Tachibana, Youko Masuzawa, Kenshin Sunagawa, Takashi Hori, Yoshinori Koyama, Aung Myo Hlaing, Han-Seung Yoon, Junya Fukuoka |
| P16 | Diagnosing effusion fluid cytology using whole slide imaging and multiple instance learning | Zaibo Li, Tongxin Wang, Kun Huang, Anil V. Parwani |

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| P17 | Verification of deep learning to detect adenocarcinoma in TBLB using HALO AI® | Tomoi Furukawa, Tomoya Oguri, Kishio Kuroda, Hoa Pham, Junya Fukuoka |
| P18 | Double-step of deep learning algorithm decrease error in detection of lymph node metastasis in lung cancer patients. | Hoa H.N. Pham, Mitsuru Futakuchi, Tomoi Furukawa, Andrey Bychkov, Kishio Kuroda, Junya Fukuoka |
| P19 | A novel multidimensional texture analysis approach for automated grading of invasive breast carcinoma | Kosmas Dimitropoulos, Panagiotis Barmpoutis, Christina Zioga, Athanasios Kamas, Kalliopi Patsiaoura, Nikolaos Grammalidis |
| P20 | An AI-based Quality Control System in a Clinical Workflow Setting | Judith Sandbank, Daphna Laifenfeld, Joseph Mossel, Chaim Linhart |
| P21 | Hierarchical Crowdsourcing for Generating Large-Scale Annotations of Histopathology | Mohamed Amgad, Habiba Elfandy, Hagar H. Khallaf, Jonathan Beezley, Deepak R. Chittajallu, David Manthey, David A. Gutman, Lee A.D. Cooper |
| P22 | Survey of basic knowledge and attitude toward autopsy of the first-year residents in Faculty of Medicine Ramathibodi Hospital | Supasan Sripodok, Duangkamon Wattanatrakon |
| P23 | Application of live dynamic whole slide imaging to support telepathology in intraoperative frozen section diagnosis | Ifeoma Onwubiko, Lynn Mazanka, Bruce Jones, J. Mark Tuthill |
| P24 | Concordance between light microscopy and whole slide imaging in determining presence of tumor in cutaneous en face frozen sections | Anh Khoa Pham, Stephanie A. Castillo, Nahid Y. Vidal |
| P25 | Validation of Telepathology for the Assessment of Adequacy of Renal Biopsies | Daniel Gonzalez, David B. Thomas, Paul Taylor-Smith, Laura Barisoni |
| P26 | Troubleshooting a Common Scanning Error in Digital Pathology | Michelle Bower, Lisa Stephens, Scott Mackie; Mollie Smeker, Linda McDonald, Scott Kilpatrick |
| P27 | Joint project of health check facilities in Vietnam, one business model of international telepathology | Ichiro Mori |
| P28 | StoolTool: Development of a Machine Learning Tool to Detect Fecal Parasites | Jessica Kohan, Blaine Mathison, Skyler Harrison, Mohamed Salama, Marc Couturier, Orly Ardon |
| P29 | Design and Use of a Digital Slide Library for Pathology Resident Education | Brenda Galbraith, Mary Melnyk, Roland Maier, Will Chen |
| P30 | How to Increase Lab Revenue with an Effective TCPC Program | Joseph Nollar, Diana Brooks, Michael Lorenzo |
| P31 | Classification of melanocytic lesions in selected and whole slide images via convolutional neural networks | Steven Hart, Andrew Norgan, William Flotte, Kabeer Shah, Zach Buchan, Taofic Mounajjed, Thomas Flotte |
| P32 | Segmentation of Lymphoid Aggregates in Kidney Histological Images with Deep Convolutional Neural Networks | Sung Jik Cha, Ruizhe Cheng, Dejan Dobi, Zoltan Laszik, Dexter Hadley, Jae Ho Sohn, Dmytro Lituiev |
| P33 | Workflows and Technologies for Multiplexed IHC Analysis | Timothy Baradet, Vipul Baxi, Dimple Pandya, Pinky Bautista, Darren Locke |
| P34 | Pre-Analytical Segmentation: Automated ROI suggestions learned through interactive viewing patterns | Tammy A. Schwalb, Edward M. Schwalb |
| P35 | Pathology AI | Holger Lange, Cris Luengo |
| P36 | Web Application for Management & Visualization of Highly Multiplexed Imaging Data | Dana Case, Jay Tarolli, Jessica Finn, Murat Aksoy, Rachel Finck |