

Limin Yu, M.D., M.S.

Assistant Professor, Department of Pathology and Laboratory Medicine
Oakland University William Beaumont School of Medicine

Dermatopathology
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ADDRESS

Corewell Health William Beaumont University Hospital (East)
Research Institute, 2nd Floor
3811 West Thirteen Mile Road
Royal Oak, MI 48073

EDUCATION AND TRAINING

- 2010 – 2011 Fellow, Dermatopathology
University of Michigan Medical Center, Ann Arbor, MI

- 2006 – 2010 Residency, Anatomic and Clinical Pathology
University of Michigan Medical Center, Ann Arbor, MI

- Bachelor of Medicine and Bachelor of Surgery, M.B.B.S. (M.D. equivalent)
Nanjing University, Nanjing, Jiangsu, China

- Master of Science, M.S., Biology
The University of Iowa, Iowa City, IA

- Master of Science, M.S., Computer Science
The University of Iowa, Iowa City, IA

PROFESSIONAL MEMBERSHIPS

- American Medical Informatics Association (AMIA)
- Association for Pathology Informatics (API)
- American Medical Association (AMA)
- American Society of Dermatopathology, Fellow (ASD)
- American Society of Clinical Pathologists (ASCP)
- United States and Canadian Academy of Pathology (USCAP)
- College of American Pathologists (CAP)

PROFESSIONAL, ACADEMIC, ADMINISTRATIVE, CLINICAL, MILITARY POSITIONS

Academic Positions

- 7/2015 – present Assistant Professor, Department of Pathology and Laboratory Medicine
Oakland University William Beaumont School of Medicine, Rochester, MI

7/2011 – 12/2012	Clinical Assistant Professor, Department of Pathology University of New Mexico, Albuquerque, NM
1/2003 – 3/2003	Adjunct Professor, Database Management Devry University, Lisle, IL
9/2001 – 5/2002	Director of Bioinformatics Cornerstone Technology Institute, Kalamazoo, MI
9/2002 – 12/2002	Visiting Lecturer, Chemical and Biological Informatics Ohio State University, Columbus, OH
8/1994 – 7/1996	Clinical Assistant Professor Nanjing University School of Medicine, Nanjing, China

Clinical Positions

7/2018 – present	Medical Director of Pathology Informatics, Department of Anatomic Pathology Corewell Health William Beaumont University Hospital, Royal Oak, MI
7/2015 – present	Dermatopathologist, Department of Anatomic Pathology Corewell Health William Beaumont University Hospital, Royal Oak, MI
4/2013 – 7/2015	Staff Pathologist and Partner Diagnostic Pathology Medical Group, Sacramento, CA
7/2011 – 12/2012	Dermatopathologist, Department of Anatomic Pathology Corewell Health William Beaumont University Hospital, Royal Oak, MI
5/2000 – 2/2003	Research Scientist LeadScope, Inc., Columbus, OH
2/1999 – 5/2000	Research Assistant Department of Internal Medicine, The University of Iowa, Iowa City, IA
9/1996 – 2/1999	Research Assistant Department of Biological Sciences, The University of Iowa, Iowa City, IA

Committees

2011 – 2016	American Society of Dermatopathology, Informatics Committee
2015 – current	American Society of Dermatopathology, Social Media Subcommittee
2015 – current	American Society of Dermatopathology, Social Media Committee
2013 – current	American Society of Dermatopathology, Ad hoc Digital Slide Committee
2008 – 2010	The College of American Pathologists, Diagnostic Intelligence and Health Information Technology (DIHIT) Committee

Technology Positions

2/2003 – 6/2006	Software Developer J. Craig Venter Institute, Rockville, MD
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PUBLICATIONS

Peer Reviewed

Lin HT, **Yu L**. Medical artificial intelligence research: translating artificial intelligence into clinical practice. *Ann Transl Med.* 8: 695 2020

Wu J., Zhong JX., Chen E.Z., Zhang J., Ye J.J., **Yu L**. Weakly- and Semi-supervised Graph CNN for Identifying Basal Cell Carcinoma on Pathological Images. *Graph Learning in Medical Imaging* 2019. *Lecture Notes in Computer Science*, vol 11849.

Toushan M, Atodaria A., Lynch, SD, Kanaan HD, **Yu L**, Amin MB, Tahhan M, Zhang PL, Kellerman PS, Swami A: Bilateral Testicular Infarction from IgA Vasculitis of the Spermatic Cords. *Case Reports in Nephrology.* 2017:1-5 2017

Yang H, **Yu L**: Cutaneous and superficial soft tissue CD34-positive neoplasms. *Archive of Pathology and laboratory.* 141:1092-1100 2017

Brown M, **Yu L**, Smidt A: Progressive scalp plaque in a girl with Tuberous Sclerosis. *Pediatr Dermatol.* 31:249 2014

Berry RS, Berry TM, Haney M, Shetty A, **Yu L**, and Smidt AC: Cover Quizlet. Congenital Dermatofibrosarcoma with Associated Hypertrichosis. *J Cutan Pathol.* 40:989 2013.

Lee BA, **Yu L**, Ma L, Lind AC, Lu D: Sebaceous neoplasms with mismatch repair protein expressions and the frequency of co-existing visceral tumors. *J Am Acad Dermatol.* 67:1228-34 2012.

Yu L, Bandhlish A, Fullen DR, Su, LD, Ma L: Cutaneous Richters Syndrome: Report of 3 cases from one institution. *J Am Acad Dermatol.* 67: e187-93 2012.

Kappes F, Khodadoust MS, **Yu L**, Kim D, Chinnaiyan A, Markovitz DM, and Ma L: DEK Expression in Cutaneous Melanocytic Lesions. *Human Pathol.* 42:932-8, 2011.

Bandhlish A, Patel R, Pouryazdanparast P, **Yu L**, Fullen DR: Dermal squamo-melanocytic tumor: metastasizing or not? *J Eur Acad Dermatol Venereol.* 25:734, 2011.

Yu L, Harms P, Pouryazdanparast P, Kim D, Ma L, Fullen DR: Expression of the embryonic morphogen Nodal in cutaneous melanocytic lesions. *Modern Pathol.* 23:1209-14, 2010.

Yu L, Xu H, Wasco MJ, Bourne PA, Ma L: IMP-3 expression in melanocytic lesions *J Cutan Pathol.* 37:316-22, 2010.

Yu L, Galan A, McNiff JM: Caveats in BerEP4 staining to differentiate basal and squamous cell carcinoma. *J Cutan Pathol.* 36: 1074-1076, 2009.

Yu L, Olsen S, Lowe L, Michael C, and Jing X: Fine-Needle Aspiration Cytology of Metastatic Eccrine Porocarcinoma. *Diagnostic Cytopathology.* 37: 755-758, 2009.

Pouryazdanparast P, **Yu L**, Johnson TM, Fullen DR: An unusual squamo-melanocytic tumor of uncertain biologic behavior: a variant of melanoma? *Am J Dermatopathol* 31:457-61, 2009.

Pouryazdanparast P, **Yu L**, Cutlan J, Olsen S, Fullen DR, Ma L: Diagnostic Value of CD163 in Cutaneous Spindle Cell Lesions. *J Cutan Pathol* 36:859-64, 2009.

Pouryazdanparast P, **Yu L**, Dalton V, Haefner H, Cho K, Fullen DR: Intravascular Histiocytosis Presenting With Extensive Vulvar Necrosis. *J Cutan Pathol.* 36 Suppl 1:1-7, 2009.

Wasco MJ, Pu RT, **Yu L**, Su L, Ma L: Expression of γ -H2AX in Melanocytic Lesions. *Human Pathol* 39:1614-1620, 2008.

Blower PE, Yang C, Fligner MA, Verducci JS, **Yu L**, Richman S, Weinstein JN: Pharmacogenomic Analysis: Correlating Molecular Substructure Classes with Microarray Gene Expression Data. *Pharmacogenomics J* 2:259-271, 2002.

Non-Peer Reviewed

Wang Y, Sun S, Yu J, **Yu L**: Skin Lesion Segmentation Using Atrous Convolution via DeepLab v3. arXiv:1807.08891 (<https://arxiv.org/abs/1807.08891>) 7/24/2018

Yu L, Li N, Zhou Z: Reversal of multidrug resistance in renal carcinoma RCC-925 cell line with cyclosporin A. *Chin. J. Urol.* 17: 286-288, 1996.

Yu L, Li N, Zhou Z: Mechanisms of Verapamil on reversing multidrug resistance in renal cancer cells. *J. Jiangsu Medicine* 22: 375-377, 1996.

Editorship

Co-editor of special issue of "Medical Artificial Intelligent Research" in *Annals of Translational Medicine* (<http://atm.amegroups.com/>, Impact factor: 3.297)

Co-editor of *Intelligent Medicine*

Abstracts, Preliminary Communications, Panel Discussion

Wu J, Deebajah M, Lai Z, Micale M, **Yu, L**: Utilization of Deep Neural Network in Recognition of BCR/ABL Gene Rearrangements in Fluorescence in Situ Hybridization Images. Poster presentation, USCAP 109th Conference. Los Angeles, Feb. 2020

Chaib O, Lai Z, **Yu, L**: Glial Heterotopia, a Rare Entity of Developmental Abnormality: Possible Pitfalls in Differential Diagnosis. Poster presentation, 31st Congress of the international Academy of pathology, Arab division, Hurgahda, Egypt Oct 24-26, 2019

Chaib O, Li A, Arps, D, **Yu, L**: Cutaneous Ganglioneuroma, Report of Three Cases and Review of Literature. Poster presentation, the American Society of Dermatopathology 56th Annual Meeting, October 2019.

Wu J, Chen Z, Zhang J, Ye J, **Yu, L**: Identification of Basal Cell Carcinoma in Intra-operative Frozen Section using Deep Learning on Smart Phone Images. Oral presentation, Pathology Informatics Summit 2019. Pittsburgh, PA, 5/7/2019

Gjorgova-Gjeorgjievski S, **Yu, L**: "Integrating Facebook into Dermatopathology Education: Our Experience in a Pathology Residency Program", American Society of Dermatopathology Annual Meeting October 2016

Olsen S, **Yu L**, Willman J, Elenitoba-Johnson K, Ma L: Inflammatory Morphea With T Cell Receptor Gamma Gene Clonality. Poster presentation, the United States and Canadian Academy of Pathology 100th Annual Meeting, March 2011.

Yu L, Olsen S, and Fullen DR: A Case of Plexiform Xanthomatous Tumor. Poster presentation, the American Society of Dermatopathology 47th Annual Meeting, October 2010.

Yu L, Fullen DR, and Lieberman R: Placental Nevomelanocytosis and Melanoma Transplacental Metastasis. Poster presentation, the American Society of Dermatopathology 46th Annual Meeting, October 2009.

Yu L, Pouryazdanparast P, Kim D, Ma L, Fullen DR: Evaluation of Nodal in Melanocytic Lesions. Poster presentation, the American Society of Dermatopathology 45th Annual Meeting, October 2008.

Yu L, Olsen S, Pouryazdanparast P, Lowe L, Jing X: Widespread Metastatic Eccrine Porocarcinoma: Histology and Cytology. Poster presentation, the American Society of Dermatopathology 45th Annual Meeting, October 2008.

Pouryazdanparast P, **Yu L**, Dalton V, Haefner H, Cho K, Fullen DR: Intravascular Histiocytosis Presenting with Extensive Vulvar Necrosis. Oral presentation, the American Society of Dermatopathology 45th Annual Meeting, October 2008.

Yu L, Almiski MS, Balis UJ: Just-in-Time Surgical Pathology Specimen Workflow with Comprehensive Barcode Tracking and Lean/Six Sigma Software Design as a Prototypic Next Generation Laboratory Information System for Comprehensive Error Reduction. Poster presentation, the United States and Canadian Academy of Pathology 97th Annual Meeting, March 2008.

Pouryazdanparast P, **Yu L**, Cutlan J, Fullen DR, Ma L: Diagnostic Value of CD163 in Cutaneous Spindle Cell Lesions. Poster presentation, the United States and Canadian Academy of Pathology 97th Annual Meeting, March 2008.

Pouryazdanparast P, **Yu L**, Fullen DR: Squamo-melanocytic Tumor: A case report of an unusual dermal neoplasm and review of histogenesis. Oral presentation, 11th Joint Meeting of the International Society of Dermatopathology, January 2008.

Yu L, Wasco MJ, Bourne P, Xu H, Ma L: Evaluation of K Homology Domain Containing Protein (KOC) in Melanocytic Lesions. Poster presentation, the American Society of Dermatopathology 44th Annual Meeting, October 2007.

Yu L, Pouryazdanparast P, Ma L. Case Series: Cutaneous Richter Syndrome. Poster presentation, the American Society of Dermatopathology 44th Annual Meeting, October 2007.

Wasco MJ, **Yu L**, Ma L: Expression of Gamma-H2AX in Melanocytic Lesions. Poster presentation, the American Society of Dermatopathology 44th Annual Meeting, October 2007.

Yu L, Yang C, Blower PE, Bakshi B, Rathman J: Multiscale Hierarchical Classification of Genes from Microarray HTS Genomics Data. Poster presentation, the Federation of American Societies for Experimental Biology 2002 meeting, April 2002. Mack Award Winner for outstanding publication.

Yang C, Blower PE, **Yu L**, Bakshi B, Rathman J: Multiscale Approaches to Extract Information from High Throughput Screening Genomics Data. Oral presentation, American Institute of Chemical Engineers Annual Meeting, November 2001.

Yu L, Yang C, Blower PE: Chemical Data Analysis using RPSA. Poster Presentation, IBC's 6th Annual World Congress Drug Discovery & Development of Innovative Therapeutics, August 2001.

Yang C, Blower PE, **Yu L**, Bakshi B, Rathman J: Multiscale Bayesian approaches to extract gene sets from HTS genomics data. Platform presentation, 222nd American Chemical Society National Meeting, August 2001.

INVITED TALKS, LECTURES

"The Dilemma of Smart Technology in Medical Application." International Intelligent Medicine Summit, Qingdao, China 9/21/2019.

"Image Analysis Using Neural Network." A hands-on workshop for residents and physicians at Beaumont Health, Royal Oak, MI, 6/22/2019.

"Artificial Intelligence for Dermatologists." The 14th Dermatologist Annual Meeting of Chinese Medical Society, Guangzhou, China, 11/9/2018.

"Artificial Intelligence in Medicine from a Physician's Perspective." South San Francisco, Verily, 10/15/2018.

"Significance of Isolated Immunohistochemically Positive Cells in Lymph Nodes in Melanoma Patients." A presentation to surgeons, oncologists and dermatologists at Beaumont Health, Royal Oak, MI 6/26/2018.

"Artificial Intelligence in Medicine." A lecture to residents and physicians at Beaumont Health, Royal Oak, MI, 6/23/2018.

"Image Analysis Using Neural Network." A hands-on workshop for residents and physicians at Beaumont Health, Royal Oak, MI, 6/23/2018.

Host of panel discussion on "Artificial Intelligence in Health Care," at the inaugural ceremony of the conference of Chinese Intelligent Medicine Association (CIMA), Beijing, China, 5/5/2018.

"Will Artificial Intelligence (AI) Move Pathologists' Cheese?" 23rd Congress of Chinese Society of Pathology and 7th Annual Meeting of Chinese Pathologists, Suzhou, China, 10/28 2017.

"Artificial Intelligence and Medicine." National Supercomputer Center in Jinan, Jinan China, 10/25/2017.

"Advances in Sweat Gland Neoplasms." Qianfoshan Hospital of Shandong Province, Jinan, China, 10/23/2017

"Cutaneous Inflammatory Diseases I." Chinese American Pathologists Association Online Education Program, 08/30/2017.

"Future Pathology: Hot and Practical Topics in Diagnostic Pathology." The 3rd Chinese American Pathologists Association Diagnostic Pathology Course, Chicago, IL, 08/19/2017.

"Cutaneous Inflammatory Diseases II." Chinese American Pathologists Association Online Education Program, 08/12/ 2017.

"Cutaneous Melanocytic Lesions." Chinese American Pathologists Association Online Education Program, 07/15/2017.

"Follicular and Sweat Gland Neoplasms." Shanghai Huashan Hospital short course, Shanghai, China, 05/18/2017.

"Practicing Medicine in the Era of Artificial Intelligence." 30th Anniversary Symposium, School of Medicine Nanjing University, Nanjing, China, 05/16/2017.

"Workshop of Sweat Gland Tumors." Tsinghua University, Beijing, China, 05/14/2017.

"Melanocytic Lesions." Jiangsu TCM Hospital, Nanjing, China, 03/29/2017.

“Artificial Intelligence in Medicine: Hype and Myth.” Academy of Chinese Medical Sciences, Institute of Dermatology, Nanjing, China, 03/23/2017.

“Informatics and Dermatopathology.” Chinese Society of Dermatologists Annual Meeting, Xian, China, 11/2016.

“Current Trends in Dermatopathology.” Sino-American Dermatology Conference, Jinan, China, 11/2016.

“Spitzoid Melanocytic Proliferation.” Conference of Guangdong Dermatologic Surgery Society, Shenzhen, China, 11/2016.

“Hot Topics in Dermatopathology.” Annual Conference of Zhejiang Dermatology Society, Hangzhou, China, 11/2016.

“Know Your Limits.” Dermatopathology Conference, Troy, MI, 10/2016.

“Cutaneous Lymphoma and Mimics.” Zhejiang Pathology Summit, Hangzhou, China, 10/2015.

“The Use of BerEP4 in Dermatopathology.” At the first CAPA Annual Conference, New York City, NY, 08/2015.

“Panniculitis and Mimics.” Adicon Pathology Symposium, Hangzhou, China, 1/2015.

“Cutaneous Adnexal Neoplasms.” Zhejiang Pathology Summit, Hangzhou, China, 4/2014.