



CHRISTINA A. KWONG MD, PHD CLINICAL PATHOLOGY

BOARD CERTIFICATIONS

- Medical Microbiology
- Clinical Pathology

FELLOWSHIP

- Medical Microbiology
University of Utah/ARUP Laboratories;
Salt Lake City, UT

RESIDENCY

- Anatomic & Clinical Pathology
Loyola University Medical Center;
Maywood, IL

MEDICAL DEGREE

- Rosalind Franklin University of
Medicine and Science;
North Chicago, IL

DOCTORATE DEGREE

- Microbiology and Immunology
Rosalind Franklin University of
Medicine and Science;
North Chicago, IL

HOSPITAL AFFILIATIONS

PROFESSIONAL SOCIETIES & ASSOCIATIONS

- American Society for Microbiology
- College of American Pathologists
- American Society for Clinical
Pathology
- American Physician Scientist
Association

Dr. Kwong is board certified in clinical pathology and medical microbiology.

Dr. Kwong attended the University of California, Davis, where she graduated with a Bachelor of Science degree in Animal Biotechnology. While pursuing her degree, Dr. Kwong was a research associate for the Department of Internal Medicine's Division of Rheumatology, Allergy, and Clinical Immunology.

She then attended Rosalind Franklin University of Medicine and Science, where she earned both her medical degree and doctorate in Microbiology and Immunology. Dr. Kwong's thesis focus was in Tumor Immunology.

Dr. Kwong completed her residency in anatomic and clinical pathology at Loyola University Medical Center (LUMC). While there, she presented at multiple conferences including the Clinical Pathologic and Autopsy Conferences. She also taught small group sessions in a variety of microbiology and clinical pathology topics.

During her residency, Dr. Kwong did research and coauthored papers with colleagues, including "Mixed acinar-neuroendocrine-ductal carcinoma of the pancreas: A tale of three lineages"; "Immunohistochemical demonstration of blood group antigen expression in intestinal endothelium links blood type and necrotizing enterocolitis"; and "Hemophagocytic lymphohistiocytosis due to classic Hodgkin's lymphoma-type post transplant lymphoproliferative disorder in a liver biopsy".

She was chosen as LUMC Dept of Pathology's Resident of the Year in 2017.

She was also recognized by LUMC for her volunteer and community work with the MAGIS Star Award.

Following residency, Dr. Kwong completed fellowship training in Medical Microbiology at University of Utah/ARUP Laboratories. Similar to her time at Loyola, she pursued teaching opportunities in clinical microbiology and diagnostic methods.

Her clinical interests include antimicrobial stewardship, infection control, molecular diagnostics and appropriate laboratory test utilization.

PUBLICATIONS

- Omman R, Kwong C, Shepherd D, Molnar JA, Velankar MM, Mirza KM. Revisiting Howell-Jolly Body-Like Cytoplasmic Inclusions in Neutrophils: A Report of Two Cases and Confirmation of Nuclear Origin. *J Hematol*. 2017;6(4):101-104.
- Anderson M, Kwong C, Atieh M, Pappas S. Mixed acinar-neuroendocrine-ductal carcinoma of the pancreas: A tale of three lineages. *BMJ Case Rep*. 2016 Jun 2;2016.
- Manuat C, Yong S, DeChristopher P, Kwong C, Glynn L, Habeeb O, Thomson T, Muraskas J. Immunohistochemical demonstration of blood group antigen expression in intestinal endothelium links blood type and necrotizing enterocolitis. *J Neonatal Biol* 2016, 5:1.
- Kwong C, Gilman-Sachs A, Beaman K. An independent endocytic pathway stimulates different monocyte subsets by the $\alpha 2$ N-terminus domain of vacuolar-ATPase. *Oncoimmunology*. 2013 Jan 1;2(1):e22978.
- Jaiswal MK, Mallers TM, Kwong C, Chaouat G, Gilman-Sachs A, Beaman KD. Abortion-prone mating influences alteration of systemic $\alpha 2$ vacuolar ATPase expression in spleen and blood immune cells. *Am J Reprod Immunol*. 2012 May;67(5):421-33.
- Kwong C, Gilman-Sachs A, Beaman K. Tumor-associated $\alpha 2$ vacuolar ATPase acts as a key mediator of cancer-related inflammation by inducing pro-tumorigenic properties in monocytes. *J Immunol*. 2011 Feb 1;186(3):1781-9.
- Ntrivalas E, Levine R, Kwong C, Gilman-Sachs A, Beaman K. The $\alpha 2$ isoform of vacuolar ATPase is a modulator of implantation and feto-maternal immune tolerance in early pregnancy. *J Reproductive Immunology*. 2010 May;85(1):106-11.
- Ashwood P, Kwong C, Hansen R, Hertz-Picciotto I, Croen L, Krakowiak P, Walker W, Pessah IN, Van de Water J. Brief Report: Plasma Leptin Levels are Elevated in Autism: Association with Early Onset Phenotype? *J Autism Dev Disord*. 2008 Jan;38(1):169-75.

PRESENTATIONS

- Harrington A. and Kwong C. "Keeping Up with Current Concepts in Clinical Microbiology." American Society for Clinical Pathology Annual meeting. Sept 6-8, 2017. Chicago, IL.
- Kwong C. Dept. of Pathology Grand Rounds. Loyola University Medical Center. Feb. 2017. Maywood, IL.
- Kwong C, Ding X, Pambuccian S, Kini A. "Hemophagocytic lymphohistiocytosis due to classic Hodgkin's lymphoma-type post transplant lymphoproliferative disorder in a liver biopsy. Illinois Registry of Anatomic Pathology." Nov. 17, 2014. Chicago, IL.
- Kwong C, Gilman-Sachs A, Beaman K. "Mechanism of $\alpha 2$ V-ATPase in Sterile Inflammation." 38th Annual Autumn Immunology Conference. Nov. 20-23, 2009. Chicago, IL.
- Kwong C, Ramu S, Ntrivalas E, Gilman-Sachs A, Beaman K. "Regulation of IL-1 β Secretion in Response to Cellular Stress." 36th Annual Autumn Immunology Conference. Nov. 16-19, 2007. Chicago, IL.

ABSTRACTS

- Graue, C, et al. "Clinical Evaluation of the BioFire FilmArray® Pneumonia Panel." Clinical Virology Symposium. (Submitted 03/2018).
- Naccache, S, et al. "Molecular Prevalence of *Pneumocystis jirovecii* in a Multi-site Prospective Evaluation of the FilmArray Pneumonia Panel." MICROBE. (Submitted 01/2018)
- Kerr S, et al. "Clinical Evaluation of the BioFire FilmArray® Pneumonia Panel." MICROBE. (Submitted 01/2018).
- Kerr S, et al. "Clinical Evaluation of the BioFire FilmArray® Pneumonia Panel." ECCMID. (Submitted 12/2017).
- Kwong C, Harrington A, Schreckenberger S. "Multi-drug Resistant *Pseudomonas aeruginosa*: Susceptibility to Ceftolazane/tazobactam and Ceftazidime/avibactam." MICROBE (American Society for Microbiology). Jun 1-5, 2017.
- Kwong C, Ding X, Kini A, Pambuccian S. "Hemophagocytic lymphohistiocytosis due to classic Hodgkin's lymphoma-type post transplant lymphoproliferative disorder in a liver biopsy." College of American Pathologists annual meeting. Sept 25-28, 2016.
- Kwong C and Schreckenberger P. "GI panel testing of Inpatients detects Organisms missed by Routine Stool Testing." MICROBE (American Society for Microbiology). Jun 16-20, 2016.
- Kwong C, Mirza M, Essendrop R, Gagermeier JP, Lowery EM, Dixon E, Ananthanarayanan V. "Histomorphology of Transbronchial Biopsies is a Poor Predictor of Antibody-Mediated Rejection in Lung Transplant Recipients." The International Society for Heart & Lung Transplantation Annual Meeting. Apr 27-30, 2016.

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- Kwong C, Al Diffalha S, Pambuccian S, Barkan GA. "Tracking changes in major discrepancies between Cytotechnologist and Cytopathologist in gynecologic cytopathology: An observational study of 2 years." American Society of Cytopathology annual meeting. Nov 14-17, 2014.
- Abdallah R, Kumar S, Kwong C, Duan X. "Not your usual pulmonary embolism." Oct 25-30, 2014. CHEST.
- Kwong C and Borys D. "Benign osteoblastic tumor of the left distal phalanx in the 3rd toe of an 11 year old female." College of American Pathologists annual meeting. Sept 7-10, 2014.
- Jaiswal M, Kwong C, Gilman-Sachs A, Chaouat G, Beaman K. "Abortive-prone matings alters the expression of $\alpha 2V$ -ATPase in mouse spleen." 43rd Annual Society for the Study of Reproduction Meeting. Jul 30-Aug 3, 2010.
- Patel K, Chandran K, Kwong C, Sharma-Walia N. "Leukotrienes: Emerging Connection with Kaposi's sarcoma Associated Herpesvirus (KSHV) Pathogenesis." 5th Annual All School Research Consortium. Mar 17, 2010.
- Kwong C, Gilman-Sachs A, Beaman K. "Mechanism of $\alpha 2V$ -ATPase in Sterile Inflammation." 96th Annual American Association of Immunologists meeting. May 8-12, 2009.
- Levine R, Kwong C, Beaman K. "Expression of $\alpha 2V$ -ATPase following addition of ATP leads to cell death." 96th Annual American Association of Immunologists meeting. May 8-12, 2009.
- Kwong C, Ramu S, Ntrivalas E, Gilman-Sachs A, Beaman K. "Regulation of IL-8, MMP-9 and MCP-1: A Mechanism for Successful Pregnancy." 4th Annual All School Research Consortium. Mar 18, 2009.
- Kwong C, Ramu S, Ntrivalas E, Gilman-Sachs A, Beaman K. "Regulation of IL-8, MMP-9 and MCP-1: A Mechanism for Successful Pregnancy." 28th Annual American Society for Reproductive Immunology Meeting. Jun 11-14, 2008.
- Kwong C, Ramu S, Ntrivalas E, Gilman-Sachs A, Beaman K. "Regulation of IL-1 β Secretion in Response to Cellular Stress: A Mechanism for Sterile Inflammation." Experimental Biology Conference. Apr 5-9, 2008.