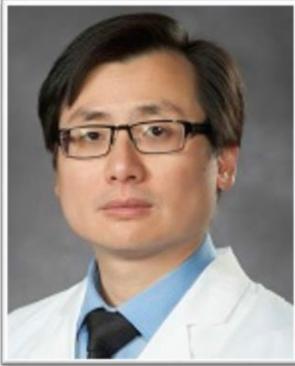


Woon Chow, MD, PhD, MSHA



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Education

- 2024 Virginia Commonwealth University, M.S.H.A.
- 2017 Vanderbilt University Medical Center, Fellowship, Neuropathology
- 2015 VCU Medical Center, Residency, Anatomic and Clinical Pathology
- 2011 Virginia Commonwealth University, Ph.D., Anatomy and Neurobiology
- 2011 Virginia Commonwealth University, M.D.
- 2003 Virginia Commonwealth University, B.S., Physics
- 2003 Virginia Commonwealth University, B.S., Biomedical Engineering

Licenses & Certifications

Medical Licenses

Tennessee, Virginia

Board Certifications

American Board of Pathology (Clinical Informatics)
American Board of Pathology (Neuropathology)
American Board of Pathology (Anatomic and Clinical Pathology)

Other Certifications

2019	Institute for Healthcare Improvement (IHI), Basic Certificate in Quality and Safety
2021	Epic Physician Builder Program, Accredited Pathologist Builder
2022	Epic Physician Builder Program, Accredited Notecraft for Physician Builders
2022, 2024	Healthcare Financial Management Association (HFMA), Certified Revenue Cycle Representative (CRCR), Recertification 2024
2022	Epic Physician Builder Program, Accredited Physician Power User
2022	Epic Physician Builder Program, Accredited Physician Builder
2022	Epic Physician Builder Program, Accredited Physician Builder Analytics

Selected Awards & Honors

2015	Voted "Most Diplomatic When Dealing with Clinicians," Department of Pathology, Virginia Commonwealth University/VCU Health
2017	Anatomic Pathology Fellow Teaching Award, Department of Pathology, Microbiology, and Immunology, Vanderbilt University Medical Center
2020	Top Docs, <i>Richmond Magazine</i>
2022	Top Docs, <i>Richmond Magazine</i>
2023	Top Docs, <i>Richmond Magazine</i>

Recent Grants and Funding

5/31/2019 to 6/2/2020 "Lipid Droplet Accumulation across Histologic Subtypes of Endometrial Carcinoma" Contract for Histopathology Technical Assistance \$39,049.00 Role: Co-Investigator, 75N91019P00230, National Cancer Institute, National Institutes of Health

6/1/2022 to 5/31/2023 "Development of a Light-Releasable Derivative of Cisplatin with Reduced Off-Target Toxicity for the Treatment of Head and Neck Cancer" \$3,000.00 Role: Co-Investigator, DT2022-04, Developmental Therapeutics Program Funding, Massey Cancer Center, VCU

9/1/2022 to 4/30/2027 "Sustained Release of Fenofibrate for the Treatment of Diabetic Retinopathy" \$551,841.00 Role: Co-Investigator, 1% R01EY033477, National Eye Institute, National Institutes of Health

8/3/2023 to 6/30/2024 "Light-Directed Therapy of Squamous Cell Head and Neck Cancer with a Novel, Dual-Acting Therapeutic" \$406,186 Role: Co-Investigator, 2% R41CA281440, National Cancer Institute, National Institutes of Health

6/1/2024 to 5/31/2026 "DSP Nanoparticles for Treating Nitrogen Mustard-Induced Corneal Injury" \$223,495 Role: Co-Investigator, 1% R21EY035974, National Eye Institute, National Institutes of Health

Professional Service (outside)

2022 - present Graduate Medical Education Faculty in Ocular Pathology, ophthalmology Residency, Broward Health, Fort Lauderdale, Florida

2021 - present Member, Ophthalmic Pathology Education System (OPES) American Academy of Ophthalmology (AAO)

2020 - present Member, Executive Committee, International Association of Chinese Pathologists (IACP)

Recent Invited Presentations

"The Washing Away of Wrongs—Forensic and Pathologic Practices in Imperial China", 22nd Washington Seminar on U.S.-China Relations, Kellogg Conference Center at Galludet University, Washington, D.C., 2016

Diagnostic Slide Session Case 7, "Cerebral Amyloid Angiopathy-Related Inflammation" 93rd Annual Meeting of the American Association of Neuropathologists, Hyatt Regency Orange County, Garden Grove, California, 2017

Panelist, United Healthcare Network Annual Healthcare Summit, 11/11/2020 (Virtual; Recorded on 10/30/2020)

"Pathology Demystified: A Primer on Specimen Processing in the Clinical Laboratories" 2022 Perioperative Nursing Conference, Sponsored by VCU Health, (Live Virtual), 2022

"The Big Short: Investigating Ocular Nanotechnology" American Association of Ophthalmic Oncologists and Pathologists Companion Society Meeting United States and Canadian Academy of Pathology 113th Annual Meeting, Baltimore Convention Center, Baltimore, Maryland, 2024

Recent Publications

Chow, W.N., Simpson, D.G., Bigbee, J.W., Colello, R.J. (2007). Evaluating Neuronal and Glial Growth on Electrospun Polarized Matrices: Bridging the Gap in Percussive Spinal Cord Injuries. *Neuron Glia Biology*. Vol. 3, no. 2, pp. 119-26.

Wang, J., Li, B., Huang, D., Norat, P., Grannonico, M., Cooper, R.C., Gui, Q., **Chow, W.N.**, Liu, X., Yang, H. (2021). Nano-in-Nano Dendrimer Gel Particles for Efficient Topical Delivery of Antiglaucoma Drugs into the Eye. *Chemical Engineering Journal*. Vol. 425, 130498.

Meng, T., Zheng, J., Chen, M., Zhao, Y., Sudarjat, H., Alex, A., Kulkarni, V., Oh, Y., Xia, S., Ding, Z., Han, H., Anders, N., Rudek, M., **Chow, W.N.**, Stark, W., Ensign, L., Hanes, J., Xu, Q. (2023). Six-Month Effective Treatment of Corneal Graft Rejection. *Science Advances*. Vol. 9, no. 12, eadf4608.

Poudel, S., Kaffash, E., Zhao, L., Pangeni, R., **Chow, W.N.**, Xu, Q. (2024). Dexamethasone Sodium Phosphate-Loaded Nanoparticles for Prevention of Nitrogen Mustard-Induced Corneal Injury. *Experimental Eye Research*. Vol. 243, 109902.

Ingabire, D., Qin, C., Sudarjat, Townsend, E.A., Pangeni, R., Poudel, S., Arriaga, M., Meng, T., Zhao, L., Raynold, A.A.M., **Chow, W.N.**, Banks, M.L., Xu, Q. (2024). Nor-LAAM loaded PLGA Microparticles for Treating Opioid Use Disorder. *Journal of Controlled Release*. Vol. 373, pp. 93-104.

Meng, T., Zheng, J., Shin, C., Gao, N., Bande, D., Sudarjat, H., **Chow, W.N.**, Halquist, M., Yu, F., Acharya, G., Xu, Q. (2024). Combination Nanomedicine Strategy for Preventing High-Risk Corneal Transplantation Rejection. *ACS Nano*. Vol. 18, no. 31, pp. 20679-20693.

Book Chapters and Monographs

Chow, W.N. (2018). Auditory Pathway. In J.S. Kreutzer, J. DeLuca, B. Caplan (eds.) *Encyclopedia of Clinical Neuropsychology*. Cham: Springer. (First edition published in 2010)

Chow, W.N. (2018). Medulla. In J.S. Kreutzer, J. DeLuca, B. Caplan (eds.) *Encyclopedia of Clinical Neuropsychology*. Cham: Springer. (First edition published in 2010).

Patents

Simpson, D.G., Bowlin, G.L., Colello, R.J., **Chow, W.N.**, Jha, B.S. (Issued 2/21/2017). Electrospun Nerve Guides for Nerve Regeneration Designed to Modulate Nerve Architecture. United States Patent 9572909.