

Curriculum vitae

River Charles, MD

Contact: rivercharles860@gmail.com

Education and Training:

- 2024 Renal Pathology Fellowship
Arkana Laboratories, Little Rock, AR
- 2023 Residency, Anatomic and Clinical Pathology (Chief Resident, PGY III)
University of California, San Diego, CA
- 2019 Medical Doctorate
University of Minnesota, Minneapolis, MN
- 2015 Bachelor of Science in Biochemistry/Molecular Biology
University of California, Santa Cruz, CA

Certifications:

- 2023 Board Certified in Anatomic and Clinical Pathology.

Publications:

- Charles, R.**, Murray, S., Gray, E., & Hu, J. (2022). Pulmonary epithelial-myoeepithelial carcinoma (P-EMC) with focal high grade transformation: Molecular and cytologic findings. *Diagnostic Cytopathology*.
- Ricard, J. A., **Charles, R.**, Tommee C., Yohe, S., Bell, W., Flanagan, M. E. (2020). Epstein Virus Barr-Positive Diffuse Large B-Cell Lymphoma Associated with Hemophagocytic Lymphohistiocytosis. *Journal of Neuropathology & Experimental Neurology*.
- Ricard, J. A., Cramer, S. W., **Charles, R.**, Tommee, C. G., Le, A., Bell, W. R., ... & Flanagan, M. E. (2019). Infratentorial Glioblastoma Metastasis to Bone. *World neurosurgery*, 131, 90-94.
- Charles MA, **Charles RC**, Kane JP, Hui G, Wong ND. (2016). Migrational Adaptation and Current Diabetes and Overall Mortality among Various United States and Worldwide Races/Ethnicities. *Austin Diabetes Research*, 1
- Zhang, M., **Charles, R.**, Tong, H., Zhang, L., Patel, M., Wang, F., ... & Ren, G. (2015). HDL surface lipids mediate CETP binding as revealed by electron microscopy and molecular dynamics simulation. *Scientific reports*,5

Abstracts/Posters:

River Charles, Tiffany Caza (2024). Clinicopathologic Characterization of Renal Medullary Angiitis in Pauci-Immune Glomerulonephritis. United States & Canadian Academy of Pathology (USCAP) Annual Meeting.

River Charles, Natalie Ellington, Haiyan Zhang (2023). Hematuria, renal hypoplasia and Alport-like ultrastructural electron microscopy changes in a

patient with trisomy 9p, 13q microdeletion. College of American Pathologists 2023 Annual Meeting.

River Charles, Haiyan Zhang (2023). QUALITY ASSURANCE REVIEW OF RENAL BIOPSY SPECIMENS OBTAINED BY INTERVENTIONAL RADIOLOGY AND NEPHROLOGY. United States & Canadian Academy of Pathology (USCAP) Annual Meeting.

River Charles, Jingjing Hu (2022). Fatal disseminated coccidioidomycosis: A twenty-year academic hospital's experience of autopsy cases. United States & Canadian Academy of Pathology (USCAP) Annual Meeting.

River Charles, Jingjing Hu, Grace Lin, Vera Vavinskaya (2021). Diagnostic challenges of Primary pulmonary salivary gland neoplasms (PSGN) with preoperative biopsies and cytology specimens. UCSD Pathology Research Retreat.

Chetna Pathak, John Rossettie, **River Charles** (2019). Node Out: An Unusual presentation of Metastatic Urothelial Carcinoma. American College of Physicians.

Carolina Gil Tommee, Jocelyn A. Ricard, **River Charles**, Sophia Yohe, W. Robert Bell, Margaret E. Flanagan (2019). Epstein Virus Barr positive Diffuse Large B-cell Lymphoma in the CNS associated with Hemophagocytic Lymphohistiocytosis. American Association of Neuropathologists.

Jocelyn A. Ricard, Carolina Gil Tommee, Samuel Cramer, **River Charles**, An Le, W. Robert Bell, Clark Chen, Margaret E. Flanagan (2019). Infratentorial Glioblastoma Metastasis to Bone. American Association of Neuropathologists.

River Charles, Nobuyuki Sasakawa (2016). Alzheimer's Disease from an epidemiologic and basic sciences perspective. Judd Fellow Poster Symposium, University of Minnesota.

OI project:

- Scanned slide set: Infectious Disease in Surgical Pathology

Talks / Presentations:

1. 8/10/2022: Renal Amyloidosis (UCSD Pathology resident AM lecture series)
2. 8/25/2022: Molecular analysis of kidney transplant rejection (UCSD Molecular pathology team)

Awards/Accomplishments

1. Pathologist-in-Training Best Abstract Award, Renal Pathology Society, 2024
2. Rural Physicians Associate Program Scholarship, 2017
3. Walter H. Judd International Graduate & Professional Fellow Scholarship, 2016
4. Sutter Maternity & Surgery Center Alliance Award, 2015
5. Cum Laude with Highest Honors, University of California, Santa Cruz
6. Doug Drexler Chemistry Scholarship, 2015
7. Dean's List, UCSC - 9 times, 2011 - 2015