



Matthew J. Ruppel

Law Clerk

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Professional Overview

Matt Ruppel is a law clerk in the firm's life sciences practice group where he focuses his time on the drafting of patent applications for chemistry related innovations.

Matt is currently a 1L at Seattle University School of Law, with an expected graduation date of May 2024. He has a Bachelor of Science in chemistry and a Master of Science in analytical chemistry. Prior to attending law school, Matt was a high school teacher for six years, teaching the subjects of chemistry, earth sciences, physics, and English. Matt is a co-author of 13 peer-reviewed publications in the areas of science and technology. He also has experience with basic software programming, is a professional photographer, and is basic conversational in Japanese.

Education

- Seattle University School of Law, 1L
- Science Teaching Credential, San Diego State University, 2015
- M.S., Analytical Chemistry, University of California, San Diego, 2012
- B.S., *cum laude with distinction*, Chemistry, University of Washington, 2010

Professional Experience

- Christensen O'Connor Johnson Kindness^{PLLC}
Law Clerk, Seattle, WA, 2022 - present

Technical Experience

- Redmond High School
Chemistry Teacher, 2019 – 2021



- High Tech High North County
Chemistry, Physics, English, and Yearbook Teacher, 2015 – 2018
- Innovation Middle School and Health Sciences High School
Student Teacher, 2014 – 2015
- UC San Diego COSMOS
Teacher Fellow, July 2014 and 2015
- US San Diego Chemistry
Graduate Student Researcher, 2010 – 2014

Presentations & Publications

Scientific Publications

- "Drinking the Sea," *ChemMatters Magazine*, pp. 12 - 13 (April/May 2018).
- "Sea spray aerosol as a unique source of ice nucleating particles," *Proceedings of the National Academy of Sciences*, Vol. 113, No. 21, pp. 5797-5803, 2016, DeMott, P.J., Hill, T.C.J., ..., Ruppel, M.J., ... & Franc, G. D.
- "Hemilability of P(X)N-type ligands (X = O, N-H): rollover cyclometalation and benzene C-H activation from (P(X)N)PtMe₂ complexes," *Dalton Transactions*, Vol. 43, Issue 31, pp. 12018-12025, 2014, Scheuermann, M. L., Grice, K. A., Ruppel, M. J., Roselló-Merino, M., Kaminsky, W., & Goldberg, K. I.
- "A Marine Aerosol Reference Tank system as a breaking wave analogue for the production of foam and sea-spray aerosols," *Atmospheric Measurement Techniques*, Vol. 6, Issue 4, pp. 1085-1094, 2013, Stokes, M. D., Deane, G. B., ..., Ruppel, M. J., ... & Zhao, D.
- "Do clouds need passports?" *Science in the Classroom*, Vol. 339, No. 6127, pp. 1572–1578, 2013, Stacey Brydges, Robert Pomeroy, Matthew J. Ruppel, Kimberly Prather.
- "Size-Dependent Changes in Sea Spray Aerosol Composition and Properties with Different Seawater Conditions." *Environmental Science & Technology*, Vol. 47, Issue 11, pp. 5603-5612, 2013, Ault, A. P., Moffet, R. C., Baltrusaitis, J., Collins, D. B., Ruppel, M. J., ... & Grassian, V. H.
- "Bringing the ocean into the laboratory to probe the chemical complexity of sea spray aerosol," *Proceedings of the National Academy of Sciences*, Vol. 110, No. 19, pp. 7550-7555, 2013, Prather, K. A., Bertram, T. H., ...Ruppel, M.J., ... & Zhao, D.