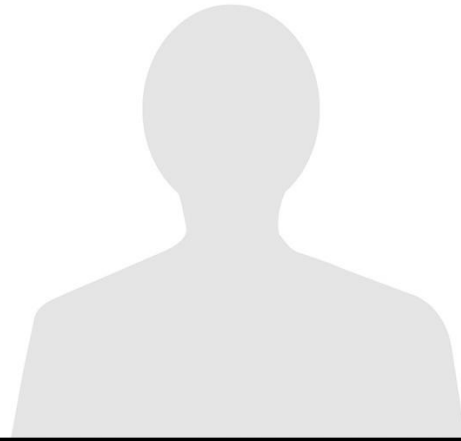


# ERIKA HANDLY, PH.D.

TECHNICAL CONSULTANT

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## OVERVIEW

Erika joined Klarquist in 2023 as a part-time technical consultant.

With a Ph.D. in biological engineering, she is particularly well-suited to advise patent prosecution clients in the biotech field. Her areas of technical expertise include chemical engineering, chemistry, thermodynamics, fluid mechanics, organic chemistry, and spectroscopy.

## PROFESSIONAL EXPERIENCE

- ▶ Octant | New Product Fellow, 2021-Present | Emeryville, CA
- ▶ Brigham Young University | Chemistry Research Assistant, 2011-2013, Chemical Engineering Research Assistant, 2011-2014 | Provo, UT

## PRESENTATIONS & PUBLICATIONS

- ▶ Pitt, W.G., Perez, K.X., Tam, N.K., Handly, E., Chinn, J.A., Liu, X.M. & Maziarz, E.P. 2013, "Quantitation of cholesterol and phospholipid sorption on silicone hydrogel contact lenses", Journal of Biomedical Materials Research Part B: Applied Biomaterials, vol. 101, no. 8, pp. 1516-1523.
- ▶ Tam, N.K., Pitt, W.G., Perez, K.X., Handly, E., Glenn, A.A., Hickey, J.W. & Larsen, B.G. 2014, "The role of multi-purpose solutions in prevention and removal of lipid depositions on contact lenses", Contact Lens and Anterior Eye, vol. 37, pp. 405-414.
- ▶ Grassian, A.R., Parker, S.J., Davidson, S.M., Divakaruni, A.S., Green, C.R., Zhang, X., Slocum, K.L., Pu, M., Lin, F., Vickers, C., Joud-Caldwell, C., Chung, F., Yin, H., Handly, E.D., Straub, C., Growney, J.D., Vander Heiden, M.G., Murphy, A.N., Pagliarini, R. & Metallo, C.M. 2014, "IDH1 mutations alter citric acid cycle metabolism and increase dependence on oxidative mitochondrial metabolism", Cancer research, vol. 74, no. 12, pp. 3317-3331.
- ▶ Mardkhe, M.K., Lawson, J., Huang, B., Handly, E.D. & Woodfield, B.F. 2015, "A statistical approach to control porosity in silica-doped alumina supports", Microporous and Mesoporous Materials, vol. 210, pp. 116-124.

## EDUCATION

Ph.D., Biological Engineering, Massachusetts Institute of Technology, 2021

B.S., *Magna Cum Laude*, Chemical Engineering, Brigham Young University, 2014

## PRACTICE AREAS

Patents

## TECHNOLOGY AREAS

Life Science & Biotechnology  
Chemical

**Klarquist**

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## PRESENTATIONS & PUBLICATIONS

► Krismer, K., Handly, E., Bird, M., Varmeh, S., Gattinger, A., Bernwinkler, T., Anderson, D., Heinzl, A., Joughin, B., Kong, Y.W., Cannell, I., Yaffe, M. 2020, "Transite: A computational motif-based analysis platform that identifies RNA-binding proteins modulating changes in gene expression" Cell Rep. vol 32, no. 8. Dissertation title: Design and synthesis of antimalarial drugs based on a chloroquine scaffold.00