

# ERIKA HANDLY, PH.D.

TECHNICAL CONSULTANT

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## OVERVIEW

Erika has a Ph.D. in biological engineering and is particularly well-suited to advise patent prosecution clients in the biotech field. Her areas of technical expertise include high throughput screening, CRISPR, DNA damage cell signaling, and cancer biology.

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

## PROFESSIONAL EXPERIENCE

- ▶ Octant | New Product Fellow, 2021-Present | Emeryville, CA
- ▶ Merrimack | Intern, 2016 | Cambridge, MA

## 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