

Stanford

Carl Mikael Suomivuori

Postdoctoral Research Fellow, Computer Science

Bio

PROFESSIONAL EDUCATION

- Bachelor of Science, University Of Helsinki (2013)
- Master of Science, University Of Helsinki (2014)
- Doctor of Philosophy, University Of Helsinki (2018)

Research & Scholarship

LAB AFFILIATIONS

- Ron Dror (5/28/2018)

Publications

PUBLICATIONS

- **Conformational transitions of a neurotensin receptor1-Gi1complex.** *Nature*
Kato, H. E., Zhang, Y., Hu, H., Suomivuori, C., Kadji, F. M., Aoki, J., Krishna Kumar, K., Fonseca, R., Hilger, D., Huang, W., Latorraca, N. R., Inoue, A., Dror, et al
2019
- **Absorption shifts of diastereotopically ligated chlorophyll dimers of photosystem I** *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*
Suomivuori, C., Fliegl, H., Starikov, E. B., Balaban, T., Kaila, V. I., Sundholm, D.
2019; 21 (13): 6851–58
- **Absorption shifts of diastereotopically ligated chlorophyll dimers of photosystem I.** *Physical chemistry chemical physics : PCCP*
Suomivuori, C., Fliegl, H., Starikov, E. B., Balaban, T. S., Kaila, V. R., Sundholm, D.
2019
- **Energetics and dynamics of a light-driven sodium-pumping rhodopsin** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Suomivuori, C., Gamiz-Hernandez, A. P., Sundholm, D., Kaila, V. I.
2017; 114 (27): 7043–48
- **Tuning the Protein-Induced Absorption Shifts of Retinal in Engineered Rhodopsin Mimics** *CHEMISTRY-A EUROPEAN JOURNAL*
Suomivuori, C., Lang, L., Sundholm, D., Gamiz-Hernandez, A. P., Kaila, V. I.
2016; 22 (24): 8254–61
- **Exploring the Light-Capturing Properties of Photosynthetic Chlorophyll Clusters Using Large-Scale Correlated Calculations** *JOURNAL OF CHEMICAL THEORY AND COMPUTATION*
Suomivuori, C., Winter, N. C., Haettig, C., Sundholm, D., Kaila, V. I.
2016; 12 (6): 2644–51
- **Coupled-Cluster Studies of Extensive Green Fluorescent Protein Models Using the Reduced Virtual Space Approach** *JOURNAL OF PHYSICAL CHEMISTRY B*
Send, R., Suomivuori, C., Kaila, V. I., Sundholm, D.
2015; 119 (7): 2933–45

- **The role of solvent exclusion in the interaction between D124 and the metal site in SOD1: implications for ALS** *JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY*

Mera-Adasme, R., Suomivuori, C., Fierro, A., Pesonen, J., Sundholm, D.

2013; 18 (8): 931–38