

# Stanford

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## Yasser Gidi

- Postdoctoral Scholar, Radiology
- Research Engineer, Rad/Canary Center at Stanford for Cancer Early Detection

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, McGill University (2020)
- Licenciado, Universidad De Chile (2011)
- Ph.D., McGill University , Chemistry, Chemical Biology, Biophysics (2020)
- B. Sc., University of Chile , Chemistry (2011)

#### STANFORD ADVISORS

- H. Tom Soh, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Modular Aptamer Switches for the Continuous Optical Detection of Small-Molecule Analytes in Complex Media.** *Advanced materials (Deerfield Beach, Fla.)*  
Hariri, A. A., Cartwright, A. P., Dory, C., Gidi, Y., Yee, S., Thompson, I. A., Fu, K., Yang, K., Wu, D., Maganzini, N., Feagin, T., Young, B. E., Afshar, et al  
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- **Binding and Sliding Dynamics of the Hepatitis C Virus Polymerase: Hunting the 3' & PRIME; Terminus** *ACS INFECTIOUS DISEASES*  
Gidi, Y., Robert, A., Tordo, A., Lovell, T. C., Ramos-Sanchez, J., Sakaya, A., Gotte, M., Cosa, G.  
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- **Superior Photoprotection of Cyanine Dyes with Thio-imidazole Amino Acids.** *Journal of the American Chemical Society*  
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2023; 145 (36): 19571-19577
- **Fluorescence-Amplified Detection of Redox Turnovers in Supported Lipid Bilayers Illuminates Redox Processes of alpha-Tocopherol.** *ACS applied materials & interfaces*  
Sakaya, A., Durantini, A. M., Gidi, Y., Sverko, T., Wieczny, V., McCain, J., Cosa, G.  
2022; 14 (11): 13872-13882
- **Unifying Mechanism for Thiol-Induced Photoswitching and Photostability of Cyanine Dyes** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*  
Gidi, Y., Payne, L., Glembockyte, V., Michie, M. S., Schnermann, M. J., Cosa, G.  
2020; 142 (29): 12681-89
- **Hepatitis C Virus Helicase Binding Activity Monitored through Site-Specific Labeling Using an Expanded Genetic Code** *ACS INFECTIOUS DISEASES*  
Ablenas, C. J., Gidi, Y., Powdrill, M. H., Ahmed, N., Shaw, T. A., Mesko, M., Gotte, M., Cosa, G., Pezacki, J.  
2019; 5 (12): 2118-26
- **A High-Throughput Image Correlation Method for Rapid Analysis of Fluorophore Photoblinking and Photobleaching Rates** *ACS NANO*

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Sehayek, S., Gidi, Y., Glembockyte, V., Brandao, H. B., Francois, P., Cosa, G., Wiseman, P. W.

2019; 13 (10): 11955–66

- **Efficient One-Step PEG-Silane Passivation of Glass Surfaces for Single-Molecule Fluorescence Studies** *ACS APPLIED MATERIALS & INTERFACES*  
Gidi, Y., Bayram, S., Ablenas, C. J., Blum, A., Cosa, G.  
2018; 10 (46): 39505–11
- **Intense White Molecular Fluorescence from Naphthoxazole-Quinoline Derivatives** *PHOTOCHEMISTRY AND PHOTOBIOLOGY*  
Zanocco, R. P., Valdebenito, S., Gidi, Y., Zapata-Torres, G., Lemp, E., Nonell, S., Zanocco, A. L.  
2018; 94 (6): 1092–99
- **Tris-N-Nitrotriacetic Acid Fluorophore as a Self-Healing Dye for Single-Molecule Fluorescence Imaging** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*  
Glembockyte, V., Wieneke, R., Gatterdam, K., Gidi, Y., Tampe, R., Cosa, G.  
2018; 140 (35): 11006–12
- **DNA Nanotubes with Hydrophobic Environments: Toward New Platforms for Guest Encapsulation and Cellular Delivery** *ADVANCED HEALTHCARE MATERIALS*  
Rahbani, J. F., Vengut-Climent, E., Chidchob, P., Gidi, Y., Tuan Trinh, Cosa, G., Sleiman, H. F.  
2018; 7 (6): e1701049
- **Conformational Changes Spanning Angstroms to Nanometers via a Combined Protein-Induced Fluorescence Enhancement-Förster Resonance Energy Transfer Method** *JOURNAL OF PHYSICAL CHEMISTRY B*  
Gidi, Y., Goette, M., Cosa, G.  
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- **Stepwise growth of surface-grafted DNA nanotubes visualized at the single-molecule level** *NATURE CHEMISTRY*  
Hariri, A. A., Hamblin, G. D., Gidi, Y., Sleiman, H. F., Cosa, G.  
2015; 7 (4): 295–300
- **Naphthoxazole-Based Singlet Oxygen Fluorescent Probes** *PHOTOCHEMISTRY AND PHOTOBIOLOGY*  
Ruiz-Gonzalez, R., Zanocco, R., Gidi, Y., Zanocco, A. L., Nonell, S., Lemp, E.  
2013; 89 (6): 1427–32