

## Taylor Hanh Nguyen

Ph.D. Student in Bioengineering, admitted Autumn 2019

### Publications

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#### PUBLICATIONS

- **Resource competition predicts assembly of gut bacterial communities in vitro.** *Nature microbiology*  
Ho, P., Nguyen, T. H., Sanchez, J. M., DeFelice, B. C., Huang, K. C.  
2024
- **Chemoproteomic identification of a DPP4 homolog in *Bacteroides thetaiotaomicron*.** *Nature chemical biology*  
Keller, L. J., Nguyen, T. H., Liu, L. J., Hurysz, B. M., Lakemeyer, M., Guerra, M., Gelsinger, D. J., Chanin, R., Ngo, N., Lum, K. M., Faucher, F., Ipock, P., Niphakis, et al  
2023
- **Construction and characterization of a genome-scale ordered mutant collection of *Bacteroides thetaiotaomicron*.** *BMC biology*  
Arjes, H. A., Sun, J., Liu, H., Nguyen, T. H., Culver, R. N., Celis, A. I., Walton, S. J., Vasquez, K. S., Yu, F. B., Xue, K. S., Newton, D., Zermeno, R., Weglarz, et al  
2022; 20 (1): 285
- **Establishment and characterization of stable, diverse, fecal-derived in vitro microbial communities that model the intestinal microbiota.** *Cell host & microbe*  
Aranda-Díaz, A., Ng, K. M., Thomsen, T., Real-Ramírez, I., Dahan, D., Dittmar, S., Gonzalez, C. G., Chavez, T., Vasquez, K. S., Nguyen, T. H., Yu, F. B., Higginbottom, S. K., Neff, et al  
2022
- **Optogenetic Control Reveals Differential Promoter Interpretation of Transcription Factor Nuclear Translocation Dynamics** *CELL SYSTEMS*  
Chen, S. Y., Osimiri, L. C., Chevalier, M., Bugaj, L. J., Nguyen, T. H., Greenstein, R. A., Ng, A. H., Stewart-Ornstein, J., Neves, L. T., El-Samad, H.  
2020; 11 (4): 336-+
- **De novo design of bioactive protein switches** *NATURE*  
Langan, R. A., Boyken, S. E., Ng, A. H., Samson, J. A., Dods, G., Westbrook, A. M., Nguyen, T. H., Lajoie, M. J., Chen, Z., Berger, S., Mulligan, V., Dueber, J. E., Novak, et al  
2019; 572 (7768): 205-+
- **Modular and tunable biological feedback control using a de novo protein switch** *NATURE*  
Ng, A. H., Nguyen, T. H., Gomez-Schiavon, M., Dods, G., Langan, R. A., Boyken, S. E., Samson, J. A., Waldburger, L. M., Dueber, J. E., Baker, D., El-Samad, H.  
2019; 572 (7768): 265-+
- **Multi-directional dynamic model for traumatic brain injury detection.** *Journal of neurotrauma*  
Laksari, K. n., Fanton, M. n., Wu, L. n., Nguyen, T. n., Kurt, M. n., Giordano, C. n., Kelly, E. n., O'Keeffe, E. n., Wallace, E. n., Doherty, C. n., Campbell, M. n., Tiernan, S. n., Grant, et al  
2019
- **MULTI-DIRECTIONAL DYNAMIC INJURY METRIC FOR MILD BRAIN TRAUMA DETECTION**  
Laksari, K., Wu, L., Nguyen, T., Kurt, M., Fanton, M., Ruan, J., Barbat, S., Camarillo, D.  
MARY ANN LIEBERT, INC.2017: A47