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ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Bioengineering

Publications

PUBLICATIONS

- **Gut microbiota gate host exposure to cholinesterase inhibitors from dietary Solanums.** *bioRxiv : the preprint server for biology*
  Liou, C. S., Louwies, T., Iakiviak, M., Rajniak, J., Murugkar, P. P., Higginbottom, S. K., Weakley, A., Meng, X., Htet, P., Cabrera, A. V., Jasper, M., Dimas, A., Schulman, et al
  2025

- **A PTER-dependent pathway of taurine metabolism linked to energy balance.** *bioRxiv : the preprint server for biology*
  Wei, W., Lyu, X., Markhard, A. L., Fu, S., Mardjuki, R. E., Cavanagh, P. E., Zeng, X., Rajniak, J., Lu, N., Xiao, S., Zhao, M., Moya-Garzon, M. D., Truong, et al
  2024

- **Multiplicity of the Agrobacterium Infection of Nicotiana benthamiana for Transient DNA Delivery** *ACS SYNTHETIC BIOLOGY*
  Carlson, E. D., Rajniak, J., Sattely, E. S.
  2023: 2329-2338

- **N-hydroxy-pipecolic acid is a mobile metabolite that induces systemic disease resistance in Arabidopsis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Chen, Y., Holmes, E. C., Rajniak, J., Kim, J., Tang, S., Fischer, C. R., Mudgett, M., Sattely, E. S.
  2018; 115 (21): E4920–E4929

- **Biosynthesis of redox-active metabolites in response to iron deficiency in plants** *NATURE CHEMICAL BIOLOGY*
  Rajniak, J., Giehl, R. F. H., Chang, E., Murgia, I., von Wiren, N., Sattely, E. S.
  2018; 14 (5): 442-+

- **A new cyanogenic metabolite in Arabidopsis required for inducible pathogen defence.** *Nature*
  Rajniak, J., Barco, B., Clay, N. K., Sattely, E. S.
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- **A new cyanogenic metabolite in Arabidopsis required for inducible pathogen defence.** *Nature*
  Rajniak, J., Barco, B., Clay, N. K., Sattely, E. S.
  2015; 525 (7569): 376-379