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Bio

STANFORD ADVISORS

- Eric Appel, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Use of a biomimetic hydrogel depot technology for sustained delivery of GLP-1 receptor agonists reduces burden of diabetes management.** *Cell reports. Medicine*
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2023; 4 (11): 101292
- **Polyacrylamide-based hydrogel coatings improve biocompatibility of implanted pump devices.** *Journal of biomedical materials research. Part A*
Chan, D., Maikawa, C. L., d'Aquino, A. I., Raghavan, S. S., Troxell, M. L., Appel, E. A.
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- **Stable High-Concentration Monoclonal Antibody Formulations Enabled by an Amphiphilic Copolymer Excipient.** *Advanced therapeutics*
Klich, J. H., Kasse, C. M., Mann, J. L., Huang, Y., d'Aquino, A. I., Grosskopf, A. K., Baillet, J., Fuller, G. G., Appel, E. A.
2023; 6 (1)
- **Injectable Polymer-Nanoparticle Hydrogel for the Sustained Intravitreal Delivery of Bimatoprost** *ADVANCED THERAPEUTICS*
Meany, E. L., Andaya, R., Tang, S., Kasse, C. M., Fujii, R. N., Grosskopf, A. K., D'Aquino, A. L., Bartoe, J. T., Ybarra, R., Shelton, A., Pederson, Z., Hu, C., Leung, et al
2022
- **Stable High-Concentration Monoclonal Antibody Formulations Enabled by an Amphiphilic Copolymer Excipient** *ADVANCED THERAPEUTICS*
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- **Hydrogel-Based Slow Release of a Receptor-Binding Domain Subunit Vaccine Elicits Neutralizing Antibody Responses Against SARS-CoV-2.** *Advanced materials (Deerfield Beach, Fla.)*
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2021: e2104362
- **Ultra-Fast Insulin-Pramlintide Co-Formulation for Improved Glucose Management in Diabetic Rats.** *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*
Maikawa, C. L., Chen, P. C., Vuong, E. T., Nguyen, L. T., Mann, J. L., d'Aquino, A. I., Lal, R. A., Maahs, D. M., Buckingham, B. A., Appel, E. A.
2021: e2101575
- **Affinity-Directed Dynamics of Host-Guest Motifs for Pharmacokinetic Modulation via Supramolecular PEGylation.** *Biomacromolecules*
Maikawa, C. L., d'Aquino, A. I., Vuong, E. T., Su, B., Zou, L., Chen, P. C., Nguyen, L. T., Autzen, A. A., Mann, J. L., Webber, M. J., Appel, E. A.

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- **Multi-State Dynamic Coordination Complexes Interconverted through Counterion-Controlled Phase Transfer** *INORGANIC CHEMISTRY*
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2021; 60 (7): 4755-4763
- **Engineering biopharmaceutical formulations to improve diabetes management.** *Science translational medicine*
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