

# Stanford

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## Ching-Hsin Huang

Postdoctoral Research Fellow, Radiology

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California San Diego (2021)
- Bachelor of Science, National Cheng Kung University (2013)
- Master of Science, University of California San Diego (2016)

#### STANFORD ADVISORS

- Heike Daldrup-Link, Postdoctoral Faculty Sponsor

#### PATENTS

- Ching-Hsin Huang, Natalie Mendez, James Wang, Tomoko Hayashi, Joi Weeks, Oscar Hernandez Echeagaray, Andrew Kummel, William C Trogler, Natalie A Gude. "United States Patent 16906933 Conjugation of tlr7 agonist to nano-materials enhances the agonistic activity", Feb 11, 2021

### Publications

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#### PUBLICATIONS

- **Immunostimulatory TLR7 Agonist-Nanoparticles Together with Checkpoint Blockade for Effective Cancer Immunotherapy** *ADVANCED THERAPEUTICS*  
Huang, C., Mendez, N., Echeagaray, O., Weeks, J., Wang, J., Yao, S., Blair, S. L., Gude, N., Trogler, W. C., Carson, D. A., Hayashi, T., Kummel, A. C. 2020; 3 (6)
- **Indocyanine green modified silica shells for colon tumor marking** *APPLIED SURFACE SCIENCE*  
Badaracco, A., Ward, E., Barback, C., Yang, J., Wang, J., Huang, C., Kim, M., Wang, Q., Nam, S., DeLong, J., Blair, S., Trogler, W. C., Kummel, et al 2020; 499
- **Microshell Enhanced Acoustic Adjuvants for Immunotherapy in Glioblastoma** *ADVANCED THERAPEUTICS*  
Wang, J., Huang, C., Echeagaray, O. H., Amirfakhri, S., Blair, S. L., Trogler, W. C., Kummel, A. C., Chen, C. C. 2019; 2 (10)
- **Thickness and Sphericity Control of Hollow Hard Silica Shells through Iron (III) Doping: Low Threshold Ultrasound Contrast Agents** *ADVANCED FUNCTIONAL MATERIALS*  
Huang, C., Wang, J., Yang, J., Oviedo, J., Na, S. M., Trogler, W. C., Blair, S. L., Kim, M. J., Kummel, A. C. 2019; 29 (33)
- **Conjugation of a Small-Molecule TLR7 Agonist to Silica Nanoshells Enhances Adjuvant Activity** *ACS APPLIED MATERIALS & INTERFACES*  
Huang, C., Mendez, N., Echeagaray, O., Weeks, J., Wang, J., Vallez, C. N., Gude, N., Trogler, W. C., Carson, D. A., Hayashi, T., Kummel, A. C. 2019; 11 (30): 26637–47