Stanford

En-Chi Hsu

Postdoctoral Research Fellow, Radiology

Bio

HONORS AND AWARDS

- Pharmacy Research Day Award, Ohio State University (2012)
- Graduate Student Pelotonia Fellowship, Ohio State University (2012-2014)
- The Albert H. Soloway Award in Pharmacy and Cancer Research, Ohio State University (2013)

PROFESSIONAL EDUCATION

- Bachelor of Science, National Yang-Ming University (2002)
- Master of Science, National Yang-Ming University (2004)
- Doctor of Philosophy, Ohio State University (2014)
- Postdoctoral, Ohio State University (2015)

STANFORD ADVISORS

- Tanya Stoyanova, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Trop2 is a driver of metastatic prostate cancer with neuroendocrine phenotype via PARP1.** *Proceedings of the National Academy of Sciences of the United States of America*
  Hsu, E. C., Rice, M. A., Bermudez, A., Marques, F. J., Aslan, M., Liu, S., Ghoochani, A., Zhang, C. A., Chen, Y. S., Zlitni, A., Kumar, S., Nolley, R., Habte, et al
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- **Loss of Notch1 Activity Inhibits Prostate Cancer Growth and Metastasis and Sensitizes Prostate Cancer Cells to Antiandrogen Therapies** *MOLECULAR CANCER THERAPEUTICS*
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- **Defining new drivers of castration- resistant prostate cancer**
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- **PSPC1 mediates TGF-#1 autocrine signalling and Smad2/3 target switching to promote EMT, stemness and metastasis.** *Nature cell biology*
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- **The Exosome Total Isolation Chip.** *ACS nano*
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  2017

- **Activation of Notch1 synergizes with multiple pathways in promoting castration-resistant prostate cancer** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Stoyanova, T., Riedinger, M., Lin, S., Faltermeier, C. M., Smith, B. A., Zhang, K. X., Going, C. C., Goldstein, A. S., Lee, J. K., Drake, J. M., Rice, M. A., Hsu, E., Nowroozizadeh, et al
  2016; 113 (42): E6457-E6466

- **Integrin-linked kinase as a novel molecular switch of the IL-6-NF-#B signaling loop in breast cancer.** *Carcinogenesis*
  Hsu, E. C., Kulp, S. K., Huang, H. L., Tu, H. J., Chao, M. W., Tseng, Y. C., Yang, M. C., Salunke, S. B., Sullivan, N. J., Chen, W. C., Zhang, J., Teng, C. M., Fu, et al
  2016

- **Non-epigenetic function of HDAC8 in regulating breast cancer stem cells by maintaining Notch1 protein stability.** *Oncotarget*
  Chao, M. W., Chu, P. C., Chuang, H. C., Shen, F. H., Chou, C. C., Hsu, E. C., Himmel, L. E., Huang, H. L., Tu, H. J., Kulp, S. K., Teng, C. M., Chen, C. S.
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- **Preclinical Investigation of the Novel Histone Deacetylase Inhibitor AR-42 in the Treatment of Cancer-Induced Cachexia.** *Journal of the National Cancer Institute*
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- **Function of Integrin-Linked Kinase in Modulating the Stemness of IL-6-Abundant Breast Cancer Cells by Regulating ?-Secretase-Mediated Notch1 Activation in Caveolae.** *Neoplasia*
  Hsu, E., Kulp, S. K., Huang, H., Tu, H., Salunke, S. B., Sullivan, N. J., Sun, D., Wicha, M. S., Shapiro, C. L., Chen, C.
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- **Targeting Energy Metabolic and Oncogenic Signaling Pathways in Triple-negative Breast Cancer by a Novel Adenosine Monophosphate-activated Protein Kinase (AMPK) Activator** *JOURNAL OF BIOLOGICAL CHEMISTRY*
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- **Identification and Characterization of a Novel Integrin-Linked Kinase Inhibitor** *JOURNAL OF MEDICINAL CHEMISTRY*
  Lee, S., Hsu, E., Chou, C., Chuang, H., Bai, L., Kulp, S. K., Chen, C.
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- **Overlapping High-Resolution Copy Number Alterations in Cancer Genomes Identified Putative Cancer Genes in Hepatocellular Carcinoma** *HEPATOLOGY*
  Chen, C., Hsu, E., Lin, K., Tu, P., Chang, H., Lin, C., Chen, Y., Gu, D., Lin, C., Wu, J., Chen, Y., Hsu, M., Jou, et al
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- **Repression of hepatitis B viral gene expression by transcription factor nuclear factor-kappaB** *CELLULAR MICROBIOLOGY*
  Lin, Y., Hsu, E., Ting, L.
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- **Suppression of hepatitis B viral gene expression by protein-tyrosine phosphatase PTPN3** *JOURNAL OF BIOMEDICAL SCIENCE*
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