Stanford



Kevin James Cyr

Postdoctoral Scholar, Bioengineering

Curriculum Vitae available Online Resume available Online

Bio

HONORS AND AWARDS

- iHeart Research Dorothy Dee and Marjorie Helene Boring Trust Award, Stanford Cardiovascular Institute (Jan 2019)

PROGRAM AFFILIATIONS

- SPARK at Stanford

PROFESSIONAL EDUCATION

- Bachelor of Science, Vanderbilt University , Engineering Science (2017)
- Doctor of Medicine, Stanford University , MED-MD (2022)
- Concentration, Vanderbilt University , Engineering Management (2017)

STANFORD ADVISORS

- Dan Elison Azagury, Postdoctoral Research Mentor
- Josh Makower, Postdoctoral Faculty Sponsor

PATENTS

- Kevin Cyr, Dylan Peterson, Rajiv Tarigopula. "United States Patent 62674627 Provisional: Systems and Methods for Stimulating the Periosteum", Leland Stanford Junior University, Oct 1, 2018
- Kevin Cyr, Jennifer Colby, Christina Marasco. "United States Patent PCT/US17/34059 Devices and Kits for Monitoring Disease States", Vanderbilt University, May 23, 2017

Publications

PUBLICATIONS

- **Electrophysiological mapping of the epicardium via 3D-printed flexible arrays.** *Bioengineering & translational medicine*
  Pong, T., Cyr, K. J., Carlton, C., Aparicio-Valenzuela, J., Wang, H., Babakhanian, M., Maiuolo, A., Lucian, H., Wang, P. J., Woo, Y. J., Lee, A. M.
  2023; 8 (6): e10575

- **Electrophysiologic Conservation of Epicardial Conduction Dynamics After Myocardial Infarction and Natural Heart Regeneration in Newborn Piglets.** *Frontiers in cardiovascular medicine*
  Wang, H., Pong, T., Obafemi, O. O., Lucian, H. J., Aparicio-Valenzuela, J., Tran, N. A., Mullis, D. M., Elde, S., Tada, Y., Baker, S. W., Wang, C. Y., Cyr, K. J., Paulsen, et al
  2022; 9: 829546

- **INTRAOPERATIVE INDUCIBILITY OF ATRIAL FIBRILLATION IMPROVES RISK STRATIFICATION AND REDUCES POST-OPERATIVE ATRIAL FIBRILLATION**
  Pong, T., Cyr, K., Carlton, C., Niesen, J., Aparicio-Valenzuela, J., Fischbein, M., Woo, Y., Boyd, J., Lee, A.

ELSEVIER SCIENCE INC.2021: 1592

- **Screening and Prophylactic Amiodarone Reduces Post-Operative Atrial Fibrillation in At-Risk Patients** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*

  Pong, T., Cyr, K., Niesen, J., Aparicio-Valenzuela, J., Carlton, C., Fischbein, M. P., Woo, Y., Boyd, J. H., Lee, A. M.

  2020; 75 (11): 1361–63

- **Intrinsically stretchable electrode array enabled in vivo electrophysiological mapping of atrial fibrillation at cellular resolution.** *Proceedings of the National Academy of Sciences of the United States of America*

  Liu, J. n., Zhang, X. n., Liu, Y. n., Rodrigo, M. n., Loftus, P. D., Aparicio-Valenzuela, J. n., Zheng, J. n., Pong, T. n., Cyr, K. J., Babakhanian, M. n., Hasi, J. n., Li, J. n., Jiang, et al

  2020

- **Circadian hormone control in a human-on-a-chip: In vitro biology's ignored component?** *EXPERIMENTAL BIOLOGY AND MEDICINE*

  Cyr, K. J., Avaldi, O. M., Wikswo, J. P.

  2017; 242 (17): 1714–31