



## Yellappa Palagani

Postdoctoral Scholar, Cardiothoracic Surgery

### Bio

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#### BIO

Yellappa Palagani is currently a Postdoctoral Fellow in Cardiothoracic Surgery at Stanford University. In Dr Ma's lab, he is developing an MRI-compatible mock circulatory loop and cardiac phantoms to simulate common congenital heart defects. Prior to joining Stanford, he was a Postdoctoral Associate in Cardiac Surgery at Yale University from April 2021 to March 2023, where he worked on left ventricular assist devices and smart inductive stents. In August 2020, he received his Ph.D. in Electronics Engineering from Kyungpook National University, South Korea. During his Ph.D., he worked on wirelessly powered cardiac pacemakers and wearable cardiac arrhythmia indicators.

#### HONORS AND AWARDS

- Cardiovascular Institute (CVI) Seed Grant Award, Stanford University (September 2023)
- Best Poster Award, American Society for Artificial Internal Organs (June 2022)
- Excellent Ph.D. Thesis Award, Kyungpook National University (February 2021)
- Best Poster Award, ISOCC Chip Design Contest (November 2017)
- KNU International Graduate Scholarship (KINGS), Kyungpook National University (September 2016 - August 2018)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society for Artificial Internal Organs (2022 - 2023)
- Member, Yale Center for Engineering Innovation & Design (2021 - 2023)
- Reviewer, IEEE Transactions on Industrial Electronics (2020 - present)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Kyungpook National University (2020)
- Postdoctoral Fellow, Stanford University , Pediatric Cardiac Surgery (2025)
- Postdoctoral Associate, Yale University , Cardiac Surgery (2023)
- Ph.D., Kyungpook National University , Electronics Engineering (2020)

#### STANFORD ADVISORS

- Michael Ma, Postdoctoral Faculty Sponsor

#### LINKS

- "Lab Website": <https://med.stanford.edu/cve/lab-members.html>

## Research & Scholarship

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### RESEARCH INTERESTS

- Assessment, Testing and Measurement
- Research Methods
- Technology and Education