Krishna Pavani

After finishing his bachelor of technology in biotechnology degree in 2010 in India, Krishna Chaitanya Pavani completed his masters in molecular biology at the University of Skövde (Skövde, Sweden) in 2012. He got his PhD from the University of the Azores (Ponta Delgada, Portugal) in 2016, specializing in animal reproduction. He finished his second PhD as an early-stage researcher at Ghent University (Ghent, Belgium), specializing in veterinary sciences.

Pavani is a senior scientific researcher with the Ghent-Fertility and Stem Cell Team (G-FaST) at Ghent University Hospital, where his work centers on embryo–maternal communication and the use of extracellular vesicles (EV) and miRNAs to inform embryo selection and improve reproductive outcomes. He has held consecutive FWO postdoctoral fellowships (2020–2023; 2023–2025) focused on EV-based, noninvasive biomarkers of implantation and on single-embryo conditioned media, and he currently contributes as co-investigator to a BOF GOA program on restoring fertility (2024–2028). His publication record includes 44 peer-reviewed papers (h-index = 16), and he is a co-inventor on a European patent application leveraging EV-derived miRNAs to support embryo selection.

Within IETS, Pavani served as president of the IETS Morulas (2022–2024), where he led initiatives that expanded engagement and streamlined operations by establishing regular research and career-development webinars (with complimentary memberships for speakers), revising the Morulas bylaws, launching official social media channels, introducing a formal welcome for new members, and transitioning "IETS Papers of the Week" to the Morulas. He is active in allied communities, including service on the International Society for Extracellular Vesicles Reproductive Task Force alongside memberships in IETS and the European Society of Human Reproduction and Embryology. He also teaches and mentors across levels, with formal teaching roles since 2016 and supervision of graduate researchers.

Pavani says IETS matters to him because "IETS is my scientific home—where rigorous reproductive science meets a generous mentoring culture. Leading the Morulas showed me how consistent programming, clear processes, and open communication create real value for trainees and labs worldwide. If elected to the Board of Governors, I will work to deepen IETS's global connectivity, promote cross-disciplinary collaboration, and champion practical programs that help early-career scientists and established investigators deliver reproducible, impactful science."