

## Linking Innovation and Collaboration: How CiRNeT at UPM is Advancing Clinical Research



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The Centre for Industrial Relation and Network (CiRNeT) at Universiti Putra Malaysia (UPM) plays a crucial role in advancing clinical research by providing a platform for collaboration between academia and industry. CiRNeT is well positioned to facilitate meaningful partnerships that can lead to new discoveries and innovations in healthcare, thanks to a wealth of expertise and resources available within the university, including its teaching hospital (Hospital Sultan Abdul Aziz Shah), multiple faculties, and research institutes.

With hundreds of experts across its various faculties, including the Faculty of Medicine and Health Sciences, the Faculty of Biotechnology and Biomolecular Sciences, and the Faculty of Veterinary Medicine, UPM has a strong tradition of excellence in the medical and life sciences fields. These experts have the skills and knowledge to tackle a wide range of clinical research challenges, and when combined with CiRNeT's support and resources, they can achieve truly groundbreaking results.

CiRNeT collaborates closely with a variety of industrial partners, including PERKESO and Zazen Health Solutions, to promote collaboration and maximise the impact of clinical research at UPM. Here we able to facilitate the transfer of knowledge and expertise between these key players and bring new ideas to the forefront of healthcare by bridging the gap between academia and industry.

CiRNeT also leverages its position within Putra Science Park (PSP) to help bring industry and academia together in new and innovative ways. The PSP provides a supportive and stimulating environment for researchers and entrepreneurs to work together, share ideas, and explore new possibilities in the field of clinical research. CiRNeT actively seeks opportunities to connect UPM's intellectual property and startup companies with stakeholders in the clinical research field, in addition to its work with industrial partners. This promotes innovation and opens up new avenues for furthering healthcare research. One example of an out-of-the-box solution for clinical research is the use of nanobiotech sensing solutions to detect metabolites that are early markers for diseases like cancer, diabetes, and Alzheimer's. This cutting-edge technology enables researchers to track and detect changes in the body's metabolic processes in real time, providing valuable insights into disease development in its early stages.

CiRNeT also works to connect experts from various fields with clinical research opportunities. For example, researchers in the field of engineering may have expertise in developing medical devices or imaging technologies that can be used in clinical research. Similarly, data analytics or machine learning experts may have insights that can help researchers better understand complex datasets and identify new research avenues.

Overall, CiRNeT is critical in connecting various stakeholders, intellectual properties, and experts from various fields in order to advance clinical research at UPM and beyond. By fostering collaboration and promoting innovation, CiRNeT is helping to shape the future of healthcare and improve outcomes for patients everywhere.