

ARTICYST – Devising Open Science practices to promote research and treatment in cystic kidney disease



The ARTICYST project seeks to enhance the prediction of clinically relevant outcomes in autosomal dominant polycystic kidney disease (ADPKD). By leveraging Open Science practices, the project aims to develop a comprehensive infrastructure for data integration and predictive modelling, supporting patient decision-making and improving therapeutic strategies.



Challenge

Current prediction tools lack precision and do not allow for integration of different data types. This knowledge is crucial to guide therapeutic decision-making processes. Furthermore, including data across centres is not trivial, hindering the ability to create reliable predictive models.

Solution

Build infrastructure based on existing multicentre data from large ADPKD cohorts and use of operational and existing services of the Science Clusters for the Life Sciences.

Scientific Impact

ARTICYST aims to create a sustainable infrastructure that can be adapted for future research and treatment advancements across various medical fields, promoting improved health outcomes for patients globally.

Partners

Institute for Biomedical Informatics, University Hospital Cologne, Translational Nephrology, Faculty of Medicine and University Hospital Cologne, Department of Nephrology, University Medical Center Groningen, University of Groningen, PKD International