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Editorial

Issue 29 of EMBnet.journal showcases the dynamic and impactful work being done in the field of bioinformatics and computational biology. This edition highlights the importance of international collaboration, cutting-edge research, and the application of advanced technologies to address pressing global health challenges.

One of the key highlights is the "EpiCass and CassavaNet4Dev Advanced Bioinformatics Workshop," article which emphasizes the role of bioinformatics education in agricultural development and food security. The workshop brought together experts from various regions to share knowledge and enhance skills in next-generation sequencing (NGS) and data analysis, essential for improving crop resilience and combating diseases.

Another significant contribution is the research on "Ds-Seq: an integrated pipeline for in silico small RNA sequence analysis for host-pathogen interaction studies in plants." This innovative tool represents a major step forward in understanding the molecular interactions between hosts and pathogens, which is crucial for developing new breeding strategies for various crops essential to food production.

The review article on the application of the planned behaviour theory and the transtheoretical model in promoting physical activity provides a comprehensive analysis of behavioural interventions. This research is particularly

relevant in the context of public health, as it offers insights into designing effective programs to encourage healthier lifestyles.

The articles in Issue 29 collectively underscore the critical role of bioinformatics in addressing a wide range of global challenges, from enhancing public health and agricultural productivity to advancing education. They also demonstrate the power of collaboration across borders, bringing together expertise and resources to tackle complex problems.

As we continue to face global health crises, such as the rise of multidrug-resistant bacteria and the impacts of climate change on disease dynamics, the contributions of bioinformatics become increasingly indispensable. This issue of EMBnet.journal not only celebrates scientific achievements but also calls for continued cooperation and innovation in the field.

By leveraging the collective knowledge and technological advancements presented in this issue, we can make significant strides in improving global health outcomes and building a more resilient future. We also encourage more researchers to submit their work for the upcoming Issue 30 of the journal. With an impact factor of 3 over the last four years, we aim to achieve an even higher score in future issues.

Erik Bongcam-Rudloff

Editor-in-Chief

erik.bongcam@slu.se

<http://dx.doi.org/10.14806/ej.29.0.1058>