Sociedad Argentina de Microbiología General

XIX CONGRESO DE LA SOCIEDAD ARGENTINA DE MICROBIOLOGÍA GENERAL

22 al 25 de octubre del 2024
Centro cultural y Pabellón Argentina de la Universidad Nacional de Córdoba, Córdoba, ARGENTINA.

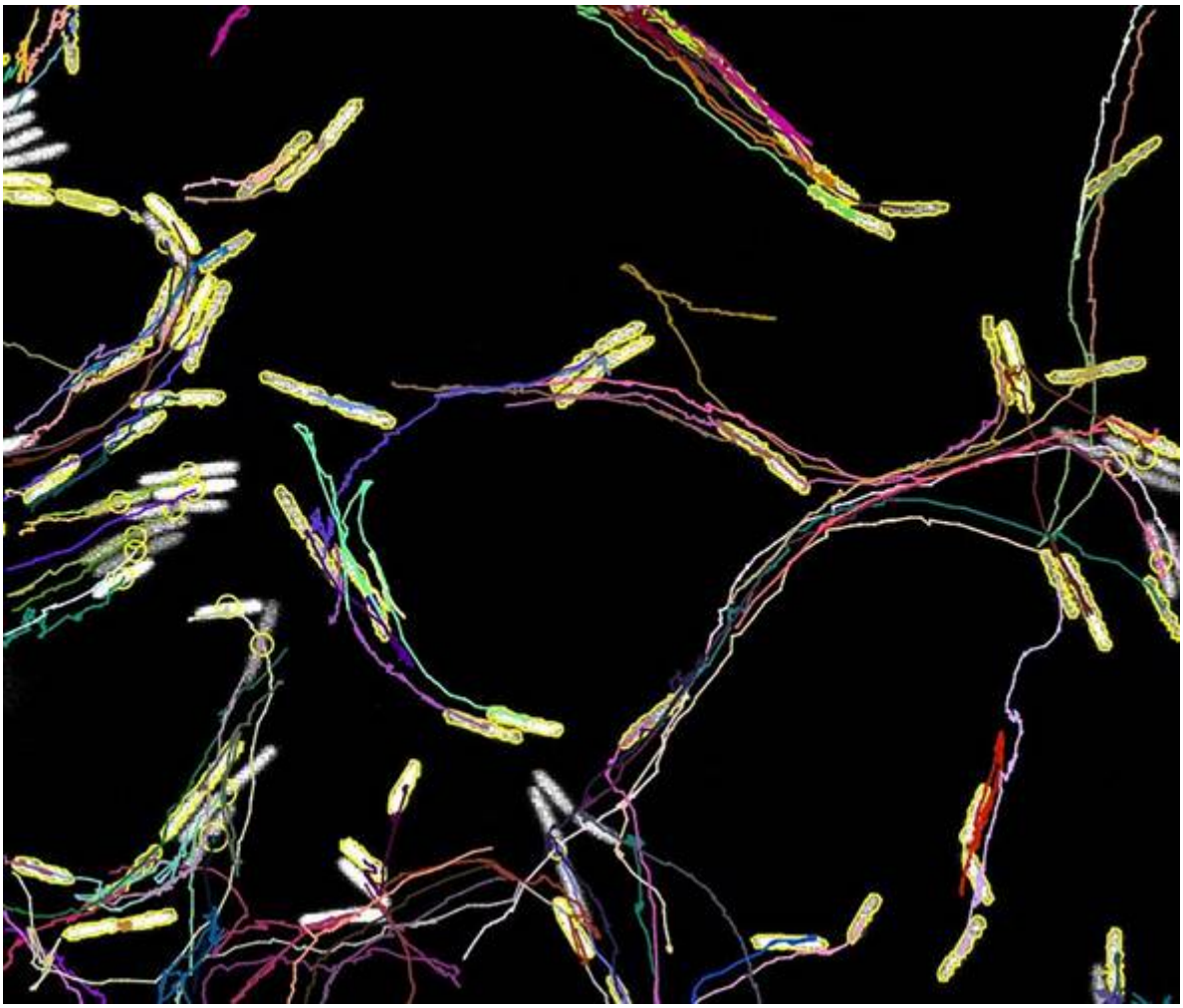

Foto: Se hace camino al andar. Celeste Dea. 1er puesto. Concurso fotográfico SAMIGE 20 años.

244 - invitados

MICROBIAL GLYCOSIDASES: TOOLS FOR CHEMICAL DIVERSIFICATION

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Glycosidases play a crucial role in microorganisms by hydrolyzing glycosidic bonds to utilize carbohydrates and glycoconjugates as nutritional sources. Historically, research has focused on glycosidases involved in carbohydrate degradation, overlooking those that recognize glycoconjugates, despite the chemical diversity and widespread distribution of these compounds in nature. Recent advances in the study of enzymes specific to glycoconjugates have led to the identification of their diverse phylogenetic origins and a deeper understanding of their substrate specificity. From a biotechnological perspective, these enzymes have become valuable tools for generating chemical diversity, facilitating both hydrolysis and transglycosylation reactions. Thus, the study of microbial glycosidases not only contributes to the fundamental understanding of biological processes but also opens up new possibilities for industrial and scientific applications.

Palabras clave: palabras_clave