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Chemico-Biological Interactions publica artículos de investigación y revisiones que examinan el base molecular, celular, y/o bioquímica de los resultados toxicológicamente relevantes. Se coloca especial énfasis en los mecanismos de toxicidad asociados con las interacciones entre químicos y sistemas biológicos. Los resultados pueden incluir todos los tradicionales endpoints causados por químicos sintéticos o de origen natural, tanto in vivo como in vitro. Los endpoints de interés incluyen, entre otros, carcinogénesis, mutagénesis, toxicología respiratoria, neurotoxicología, toxicología reproductiva y toxicología inmunológica.

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