

What can drunken crayfish teach us about drugs, social experience, and neural mechanisms?

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INTERDISCIPLINARY SEMINARS IN THE LIFE SCIENCES



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Although alcohol is a devastating drug with major impacts on health and the economy, the neurocellular mechanisms are still poorly understood. Interestingly, social experience shapes sensitivity to acute alcohol exposure in crayfish, and this interplay between social environment and intoxication is expressed both at the behavioral level and in single neurons. Such research can lead to a better understanding of the complex interplay between alcohol, social experience, and neural function, and may help improve treatment options for alcohol abuse disorders.