

## **Functional Approaches to Translation of Biobehavioral Systems**

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The Research Domain Criteria (RDoC) initiative of the National Institutes of Health emphasizes evaluation of biobehavioral systems identified on dimensions of observable behavior and neurobiological measures. This approach suggests that analysis of the evolutionary functions of behaviors in conjunction with attention to the conditions in which they are adaptive will provide a superior method for bidirectional translation of animal models to human behavior, and vice versa. This approach will be illustrated by examples from defensive behavior, aggression, and sociality, each showing how preclinical research and both normal and pathological human behaviors may reflect the actions of conserved brain systems.