

**Supplementary Material for the Article:**

Development of a Translational Model to Screen Medications for Cocaine Use  
Disorder I:  
Choice Between Cocaine and Food in Rhesus Monkeys

Amy R. Johnson<sup>a</sup>, Matthew L. Banks<sup>a</sup>, Bruce E. Blough<sup>b</sup>, Joshua A. Lile<sup>c</sup>,  
Katherine L. Nicholson<sup>a</sup>, S. Stevens Negus<sup>a</sup>✉

<sup>a</sup>Department of Pharmacology and Toxicology, Virginia Commonwealth  
University,  
Richmond, VA

<sup>b</sup>Center for Drug Discovery, Research Triangle Institute,  
Research Triangle Park, NC

<sup>c</sup>Departments of Behavioral Science, Psychiatry, and Psychology, University of  
Kentucky, Lexington, KY

✉ To whom correspondence should be addressed:

Department of Pharmacology and Toxicology

Virginia Commonwealth University

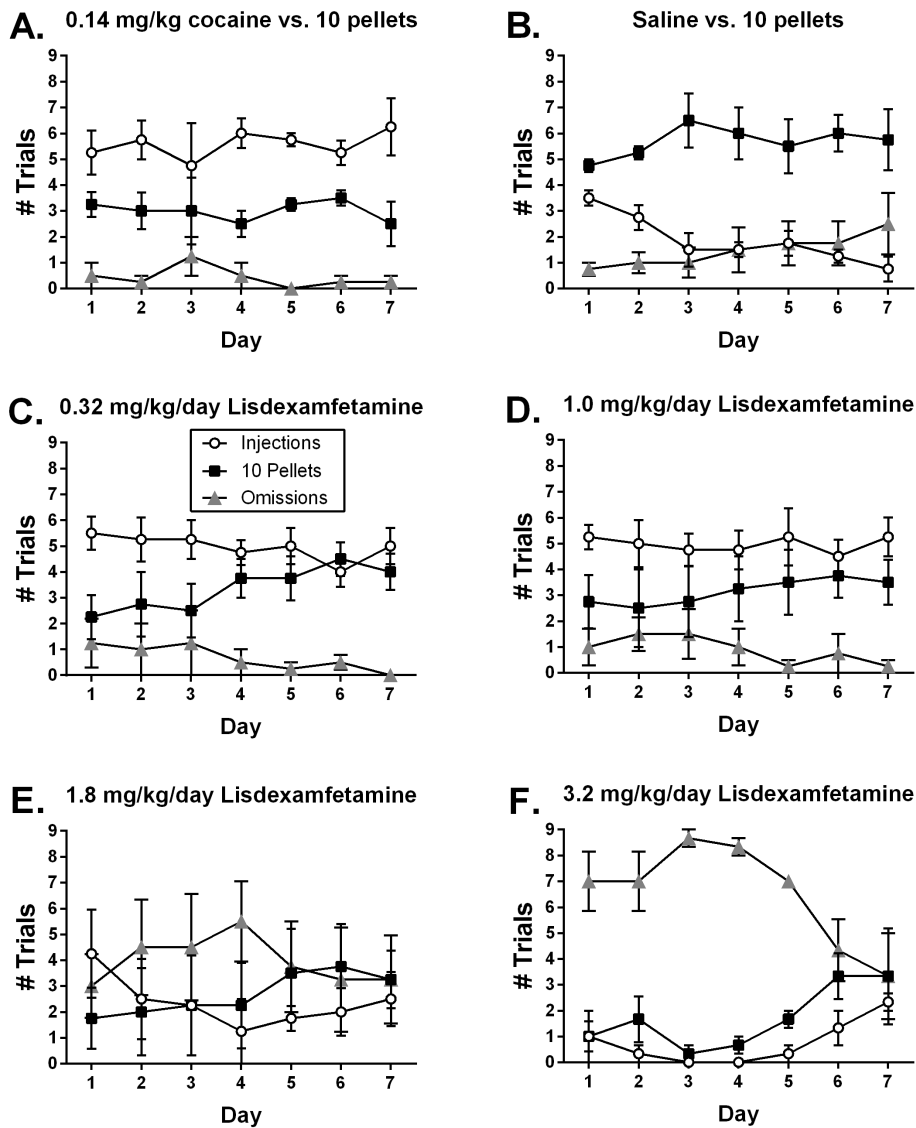
410 N. 12<sup>th</sup> St.

Richmond, VA 23298-0613

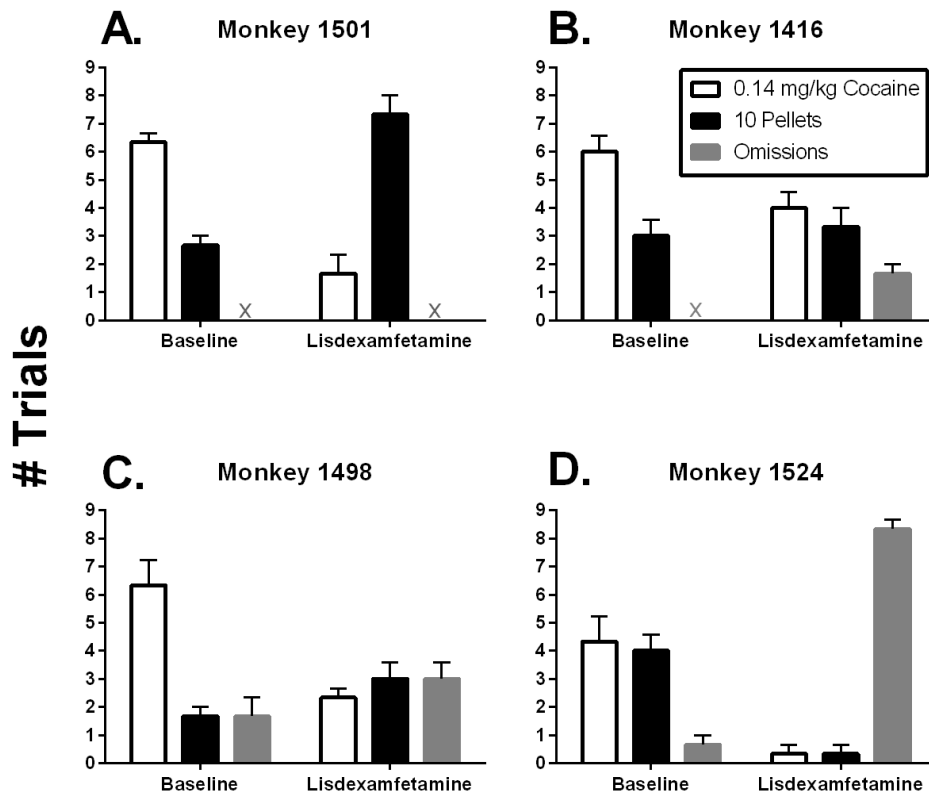
email: [sidney.negus@vcuhealth.org](mailto:sidney.negus@vcuhealth.org)

Phone: 804-828-3158

**This material supplements, but does not replace, the peer-reviewed paper in  
*Drug and Alcohol Dependence*.**



**Supplemental Figure 1. Time course of choice between injections (0.14 mg/kg/inj cocaine or saline) and 10 pellets under different experimental conditions.** Panels A and B show choice between 0.14 mg/kg/injection and 10 pellets (A) or saline and 10 pellets during (B) under baseline conditions in the absence of treatment. Panels C-F show choice between 0.14 mg/kg/injection cocaine and 10 pellets during treatment with increasing lisdexamfetamine doses (0.32-3.2 mg/kg/day). All points show mean±SEM for 4 monkeys except Panel F, where N=3.



**Supplemental Figure 2. Individual subject data for choice between 0.14 mg/kg/injection cocaine and 10 pellets under baseline conditions and during 1.8 mg/kg/day lisdexamfetamine treatment.** Graphs show data for individual subjects that contributed to mean data shown in Figure 3B, and all bars show mean  $\pm$  SEM for the final 3 days in each subject. The “x” symbol indicates no omissions under the indicated conditions.