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Intranasal application of vasopressin fails to elicit changes in brain immediate early gene expression, neural activity and behavioral performance of rats

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Intranasal ACSF   Intranasal vasopressin   ICV ACSF   ICV vasopressin

A

B

Intranasal vasopressin   ICV vasopressin

C

Ludwig et al., Fig. 1
Ludwig et al., Fig. 2
Ludwig et al., Fig. 3
**Heart Rate (beats per min)**

**Vasopressin**

**Oxytocin**

**Mean Arterial Blood Pressure (mmHg)**

**AUC**

**Vasopressin**

**Oxytocin**

**Ludwig et al., Fig. 4**