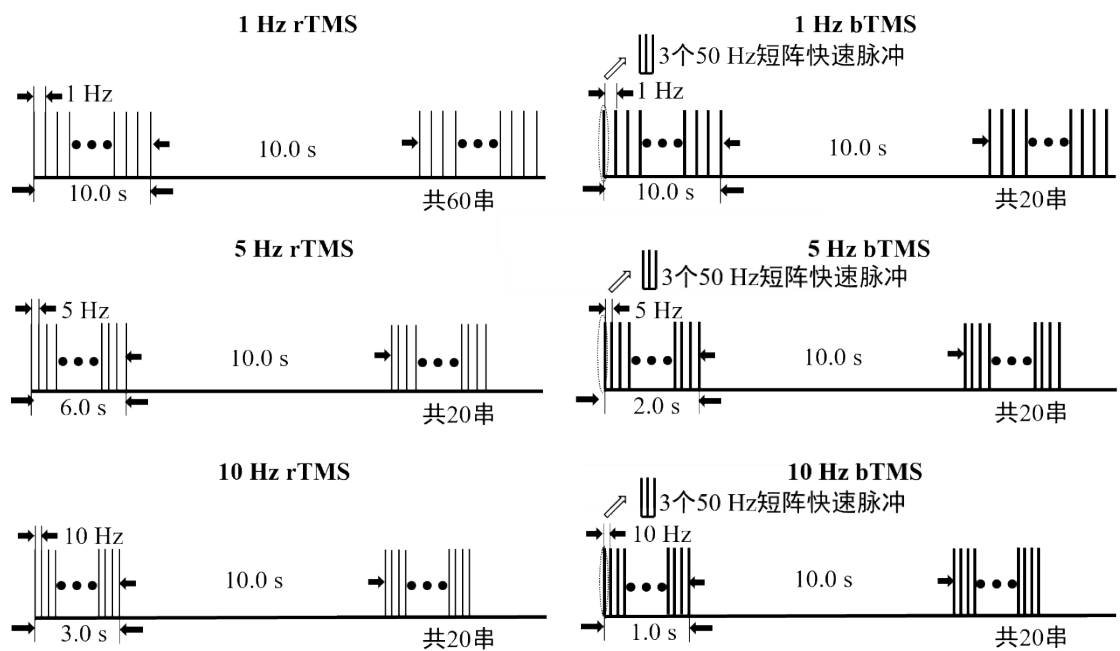
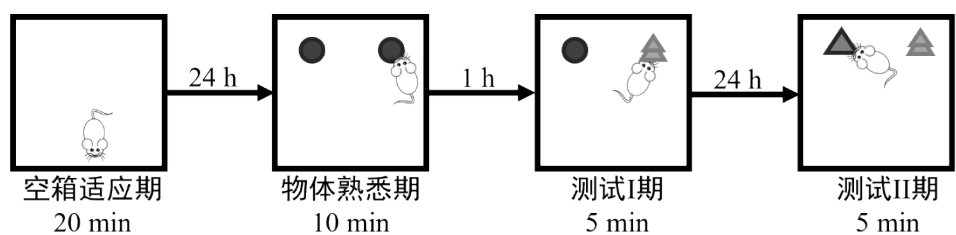
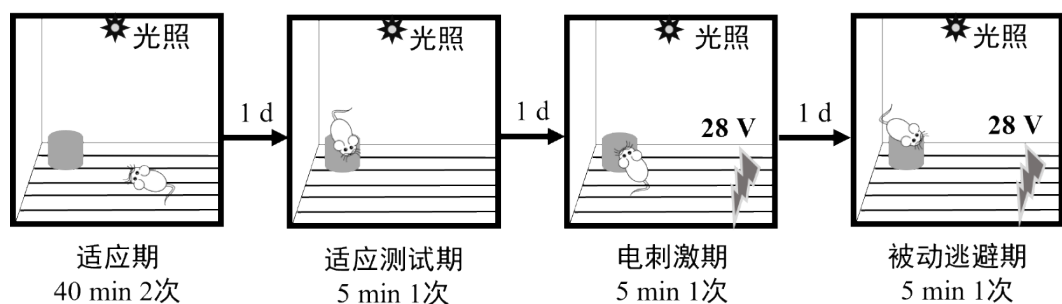




附图1 TMS 方案
Fig.S1 TMS protocol



附图2 新物体识别流程图
Fig. S2 Flow chart of new object recognition



附图3 跳台实验流程图
Fig. S3 Flow chart of platform jumping experiment

附表 1 切片液、人工脑脊液以及电极内液成分表

Tab. S1 Composition table of cutting fluid, artificial cerebrospinal fluid and electrode fluids

名称	成分/（mmol·L ⁻¹ ）	pH	渗透压/mOsm
切片液	KCl 2.5, CaCl ₂ 1, MgCl ₂ 6, NaH ₂ PO ₄ 1.625,	HCl/NaOH	-
	NaHCO ₃ 26, glucose 11, sucrose 220	调节至 7.4	
人工脑脊液	NaCl 124, KCl 3, CaCl ₂ 2, MgCl ₂ 2, NaH ₂ PO ₄	HCl/NaOH	310~320
	1.625,NaHCO ₃ 26, glucose 11, HEPES 5	调节至 7.4	
电极内液	K-gluconate 140, MgCl ₂ 1,EGTA 0.2, HEPES 10,	HCl/KOH	285~295
	Mg-ATP 4, Na ₂ -GTP 0.3, Na-phosphocreatine 10	调节至 7.2	