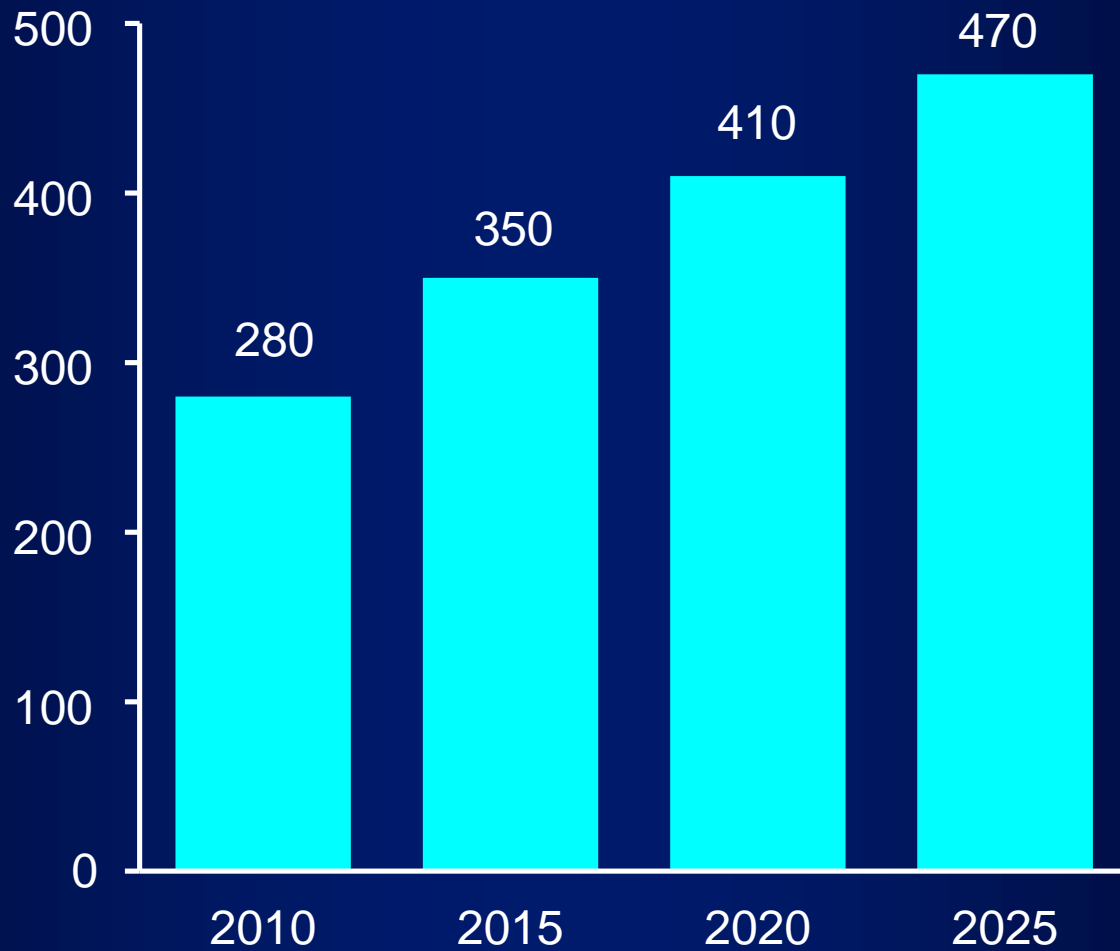
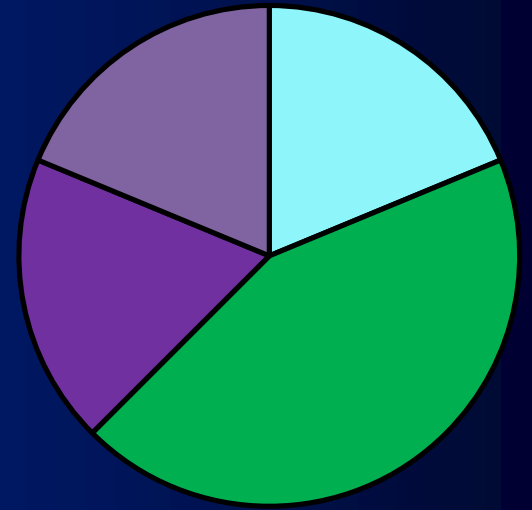


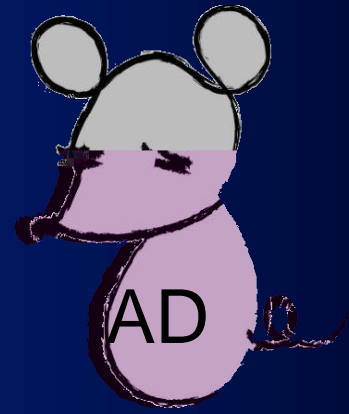
合

IADR General Session in 2013
Arthur Frechette Award Competition Finalist



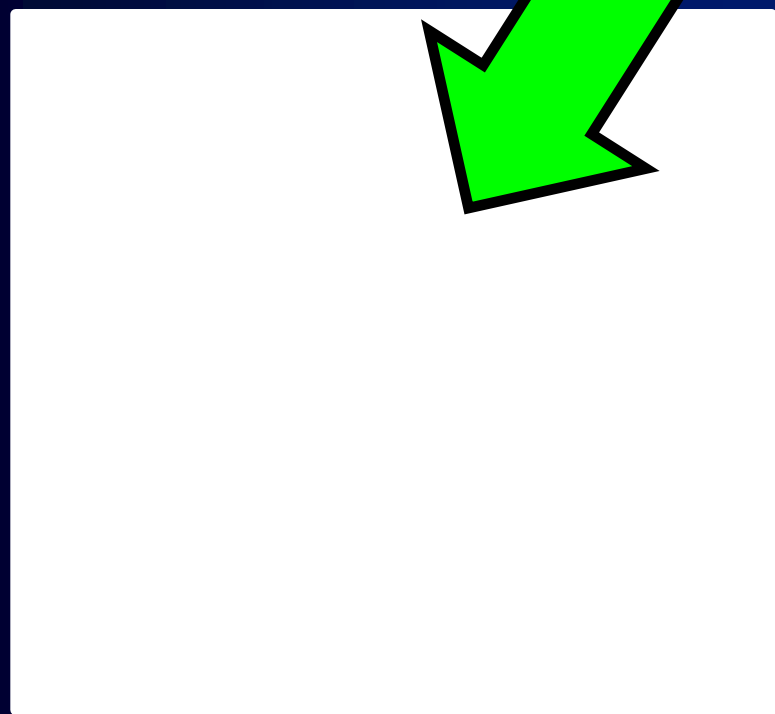


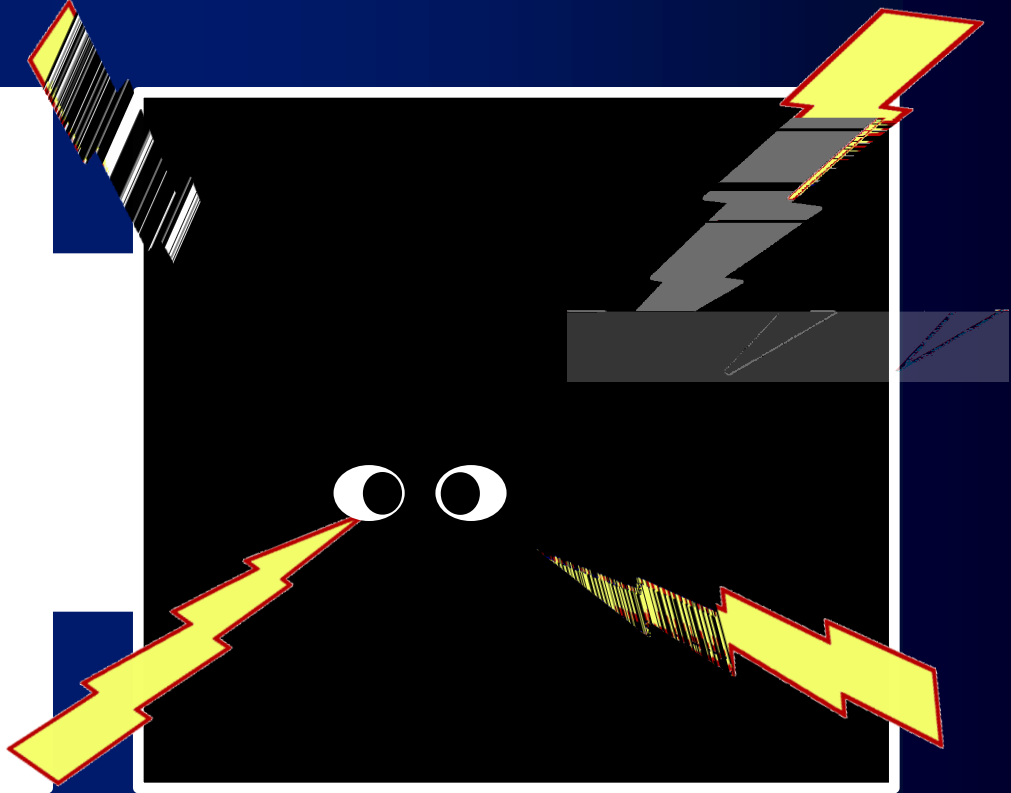
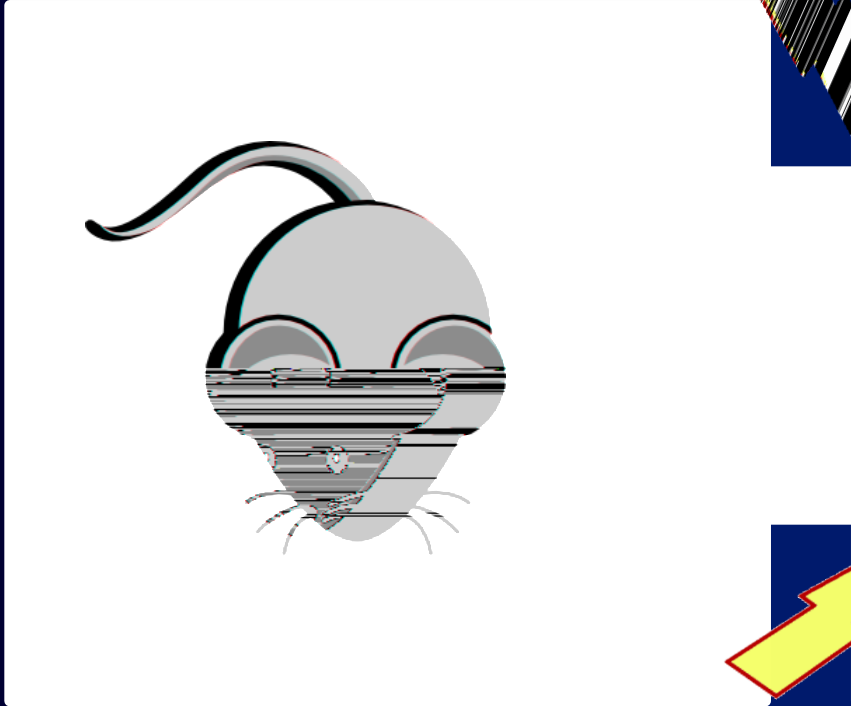
Kondo et al. 1994, 1998

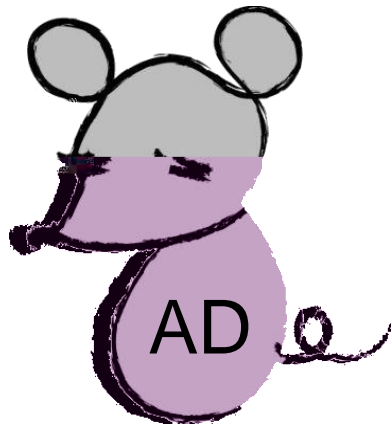








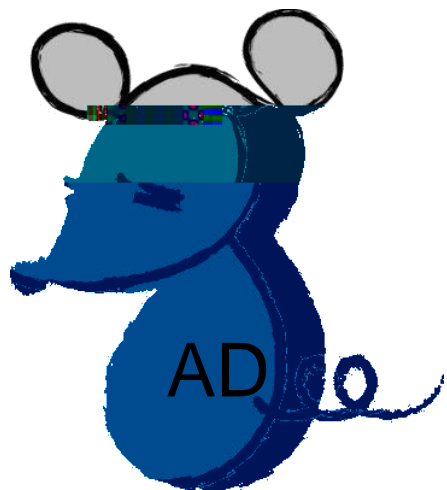




最











β

$A\beta$

低

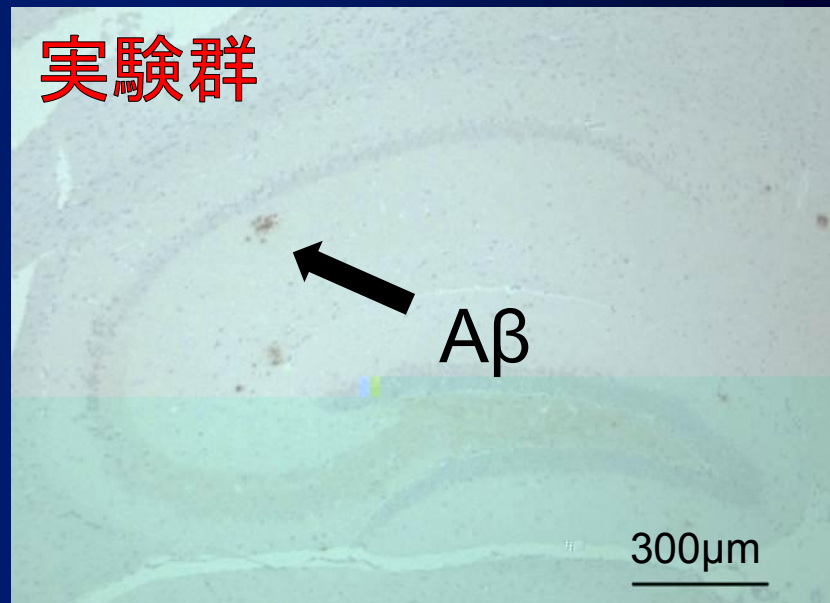
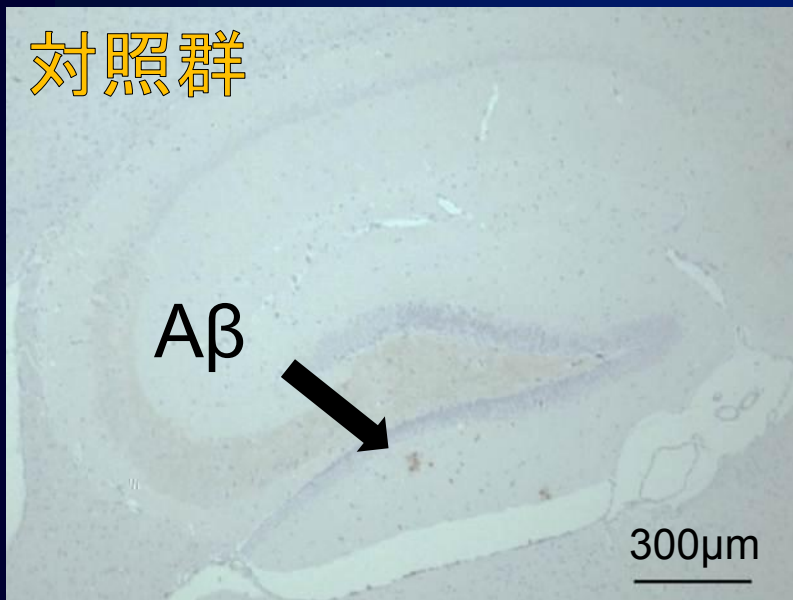


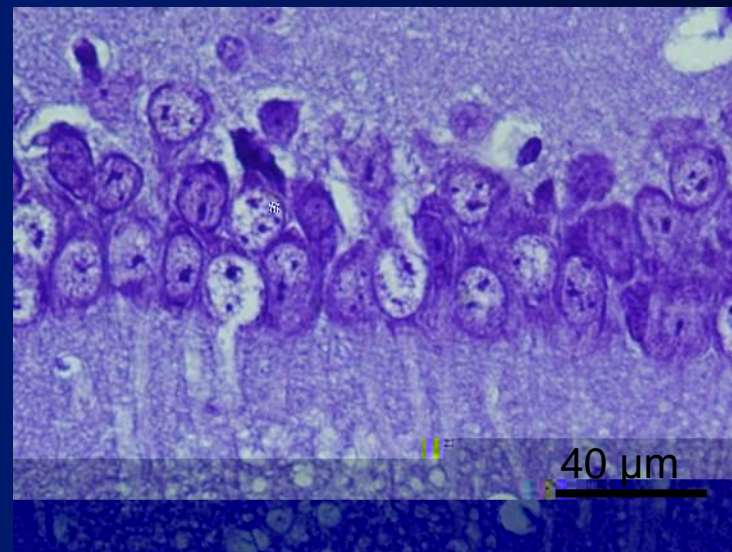
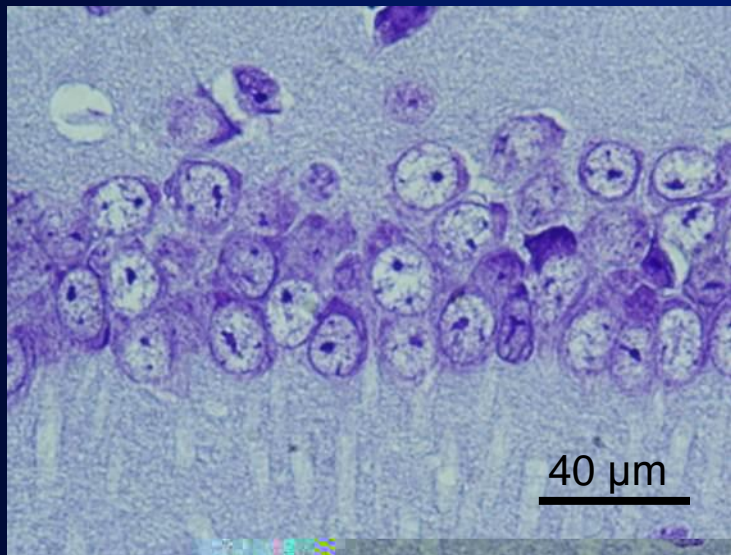
$A\beta$

低

A β

A β 40 (pmol/g tissue)		A β 42 (pmol/g tissue)		A β (μm^2)	
19.5	3.8	10.5	1.4	308.0	89.4
15.9	2.0	8.3	0.4	295.7	48.4



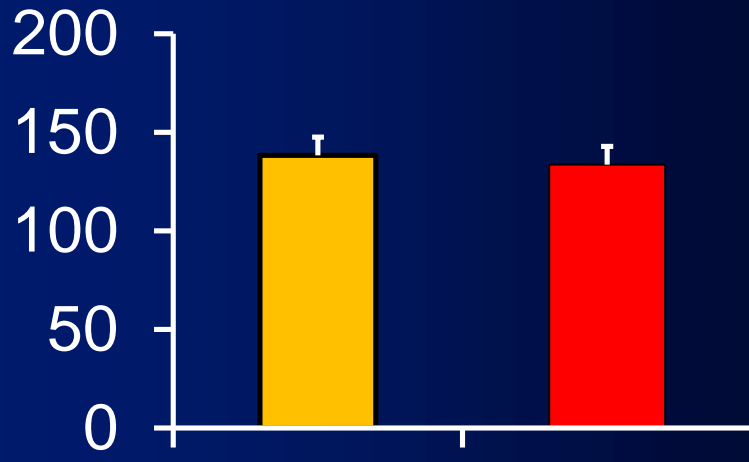
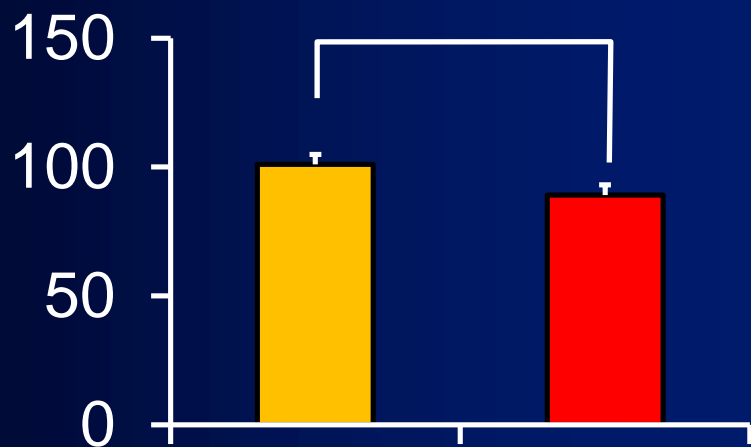


低

低

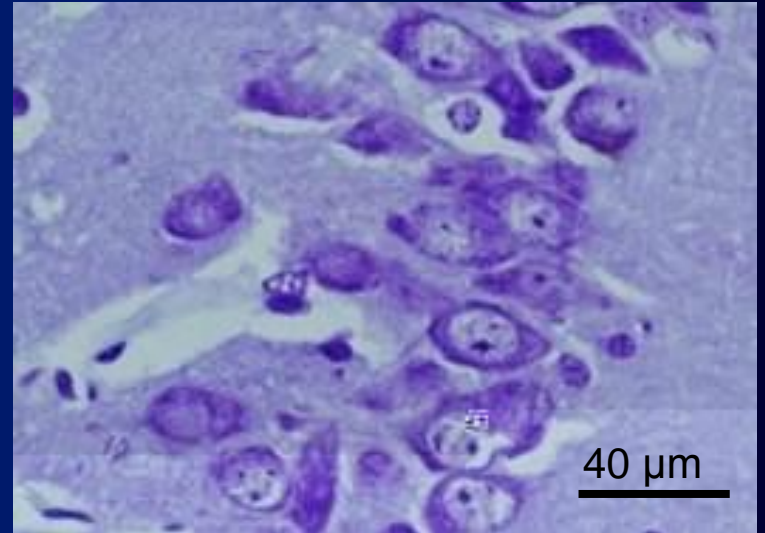
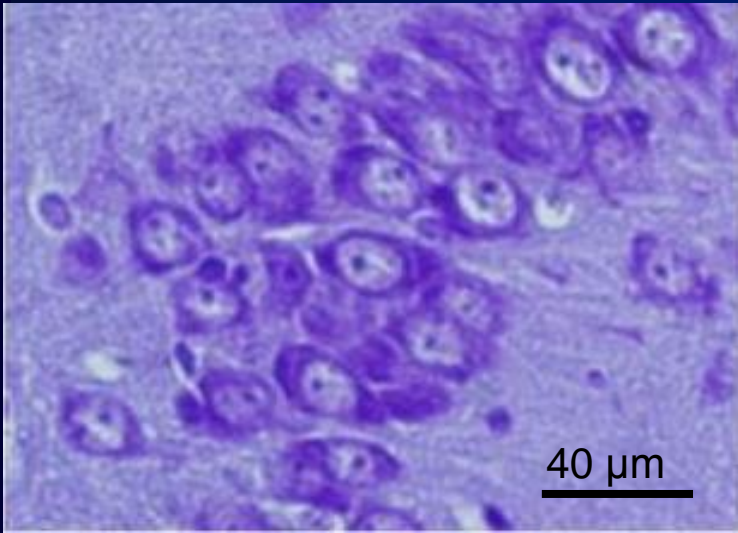
(/30,000μ)

(μ)



C group EX group

C group EX group



A β

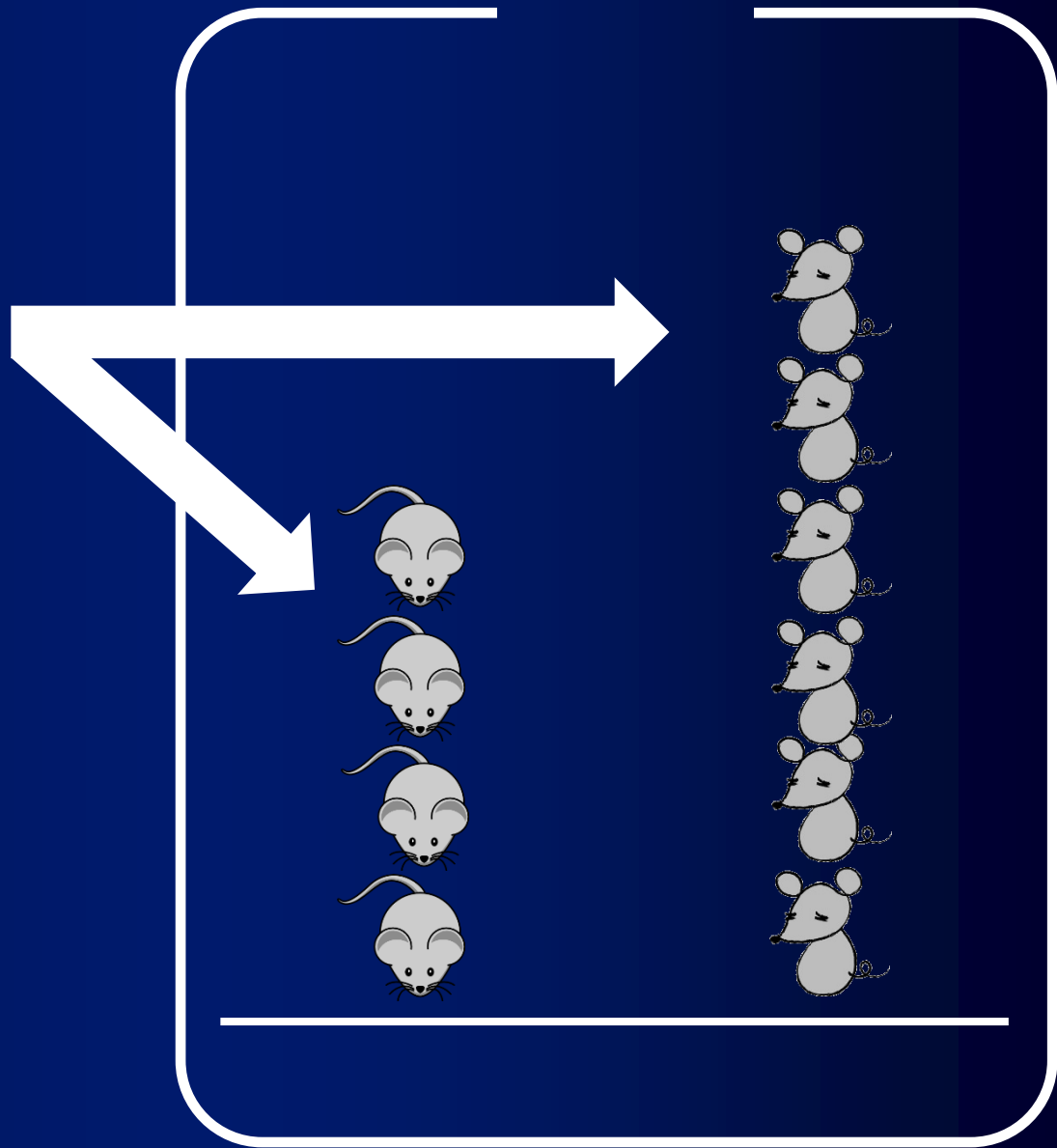
低

A β

低



A β



A β

A β 40
(pmol/g tissue)

A β 42
(pmol/g tissue)

A β
(μm^2)

13.7 2.2 7.8 0.7 249.3 13.6

17.4 3.0 8.6 0.4 272.0 58.1

機能維持群

A β



300 μm

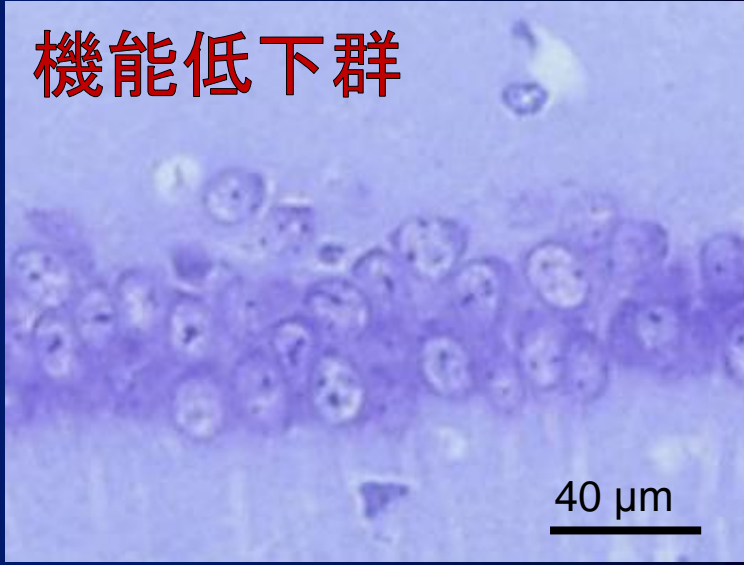
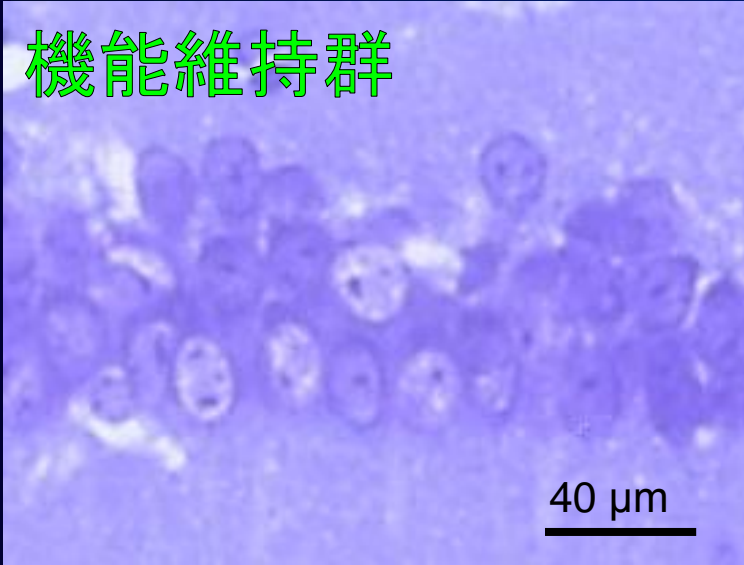
機能低下群

A β



300 μm

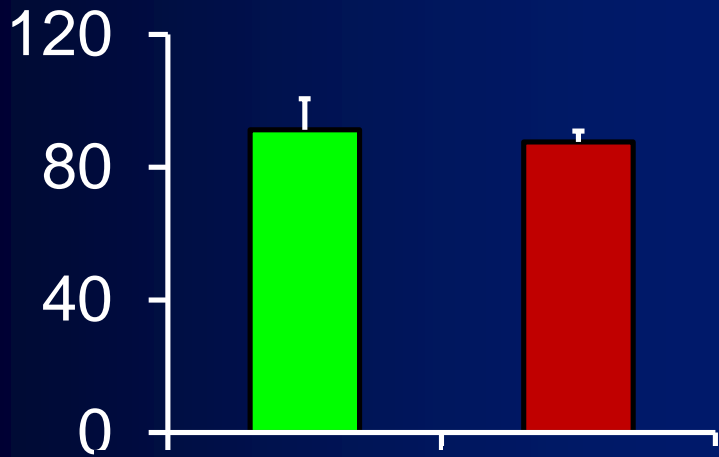
低 CA1



低

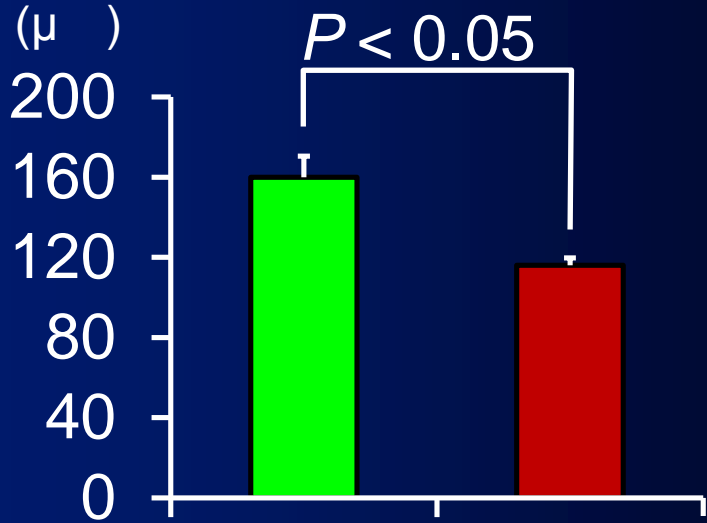
低

(/30,000μ)



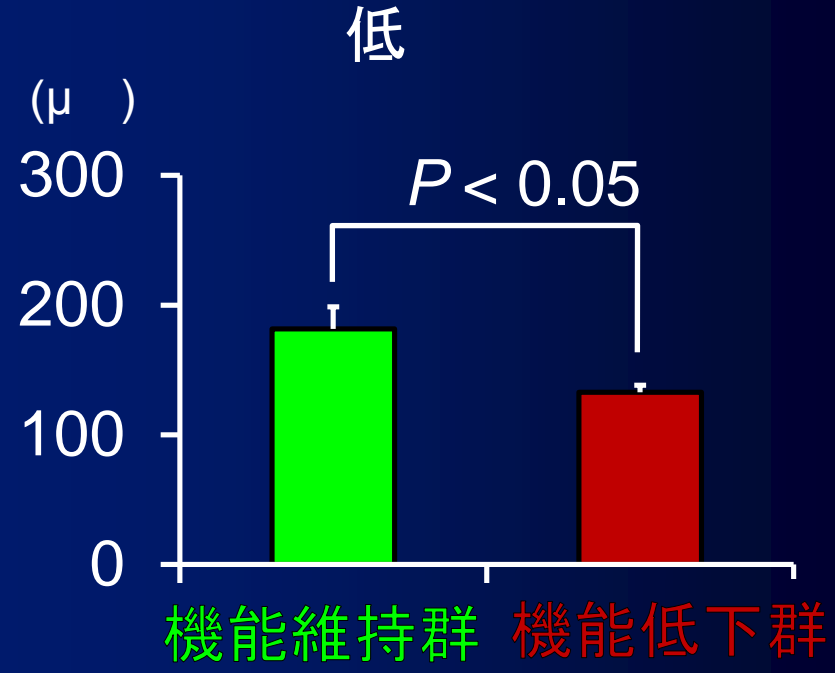
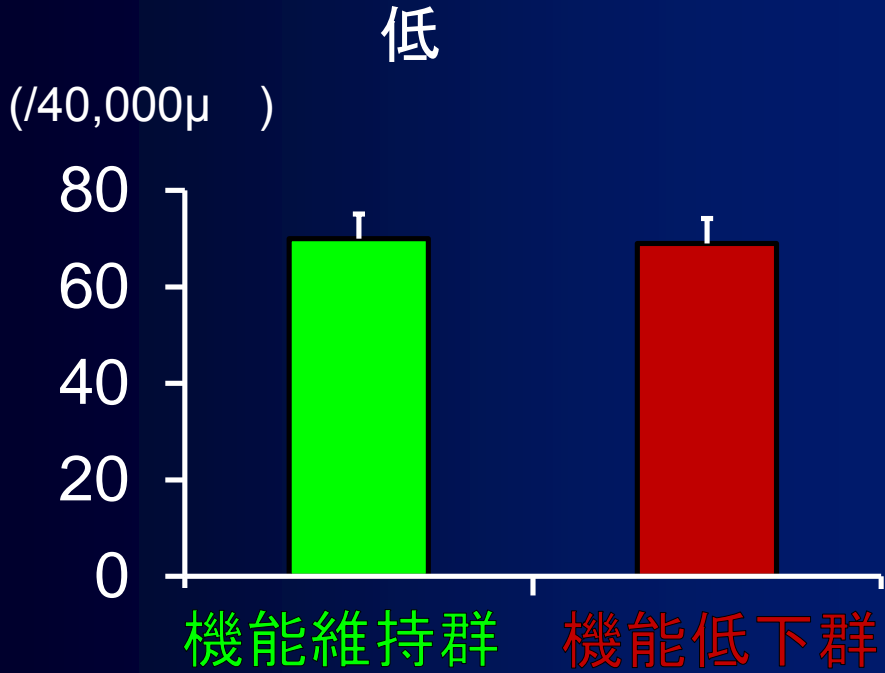
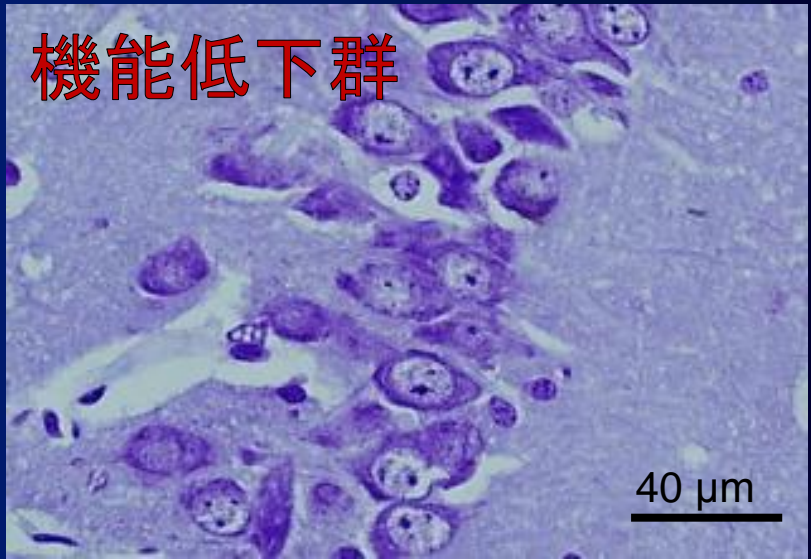
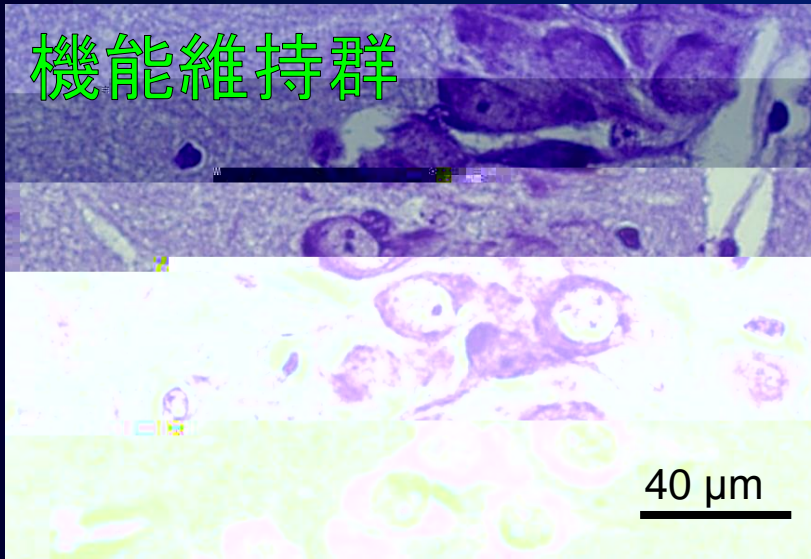
機能維持群 機能低下群

(μ)



機能維持群 機能低下群

低 CA3



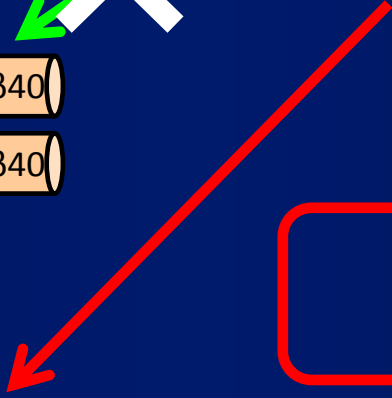
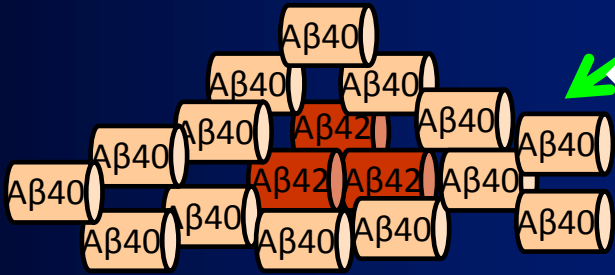
A β

低

低

低

A β



AD