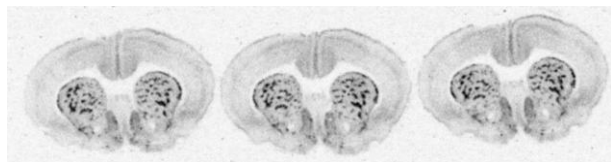


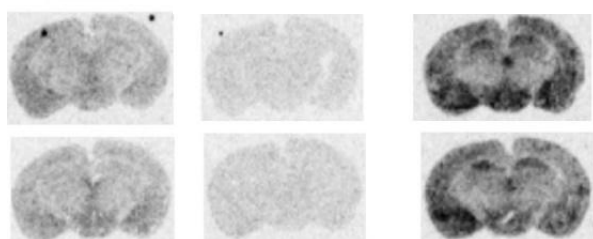
Gifford Bioscience specialize in the measurement of target distribution and ligand binding in animal and human tissue using autoradiography.

In Vitro Receptor Autoradiography

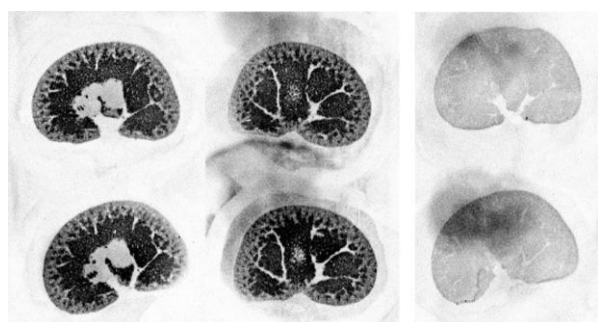


Binding of [³H]DAMGO to μ opioid receptors in coronal sections at the level of the corpus striatum in rat brain.

Basal Non-Specific 8-Hydroxy-DPAT



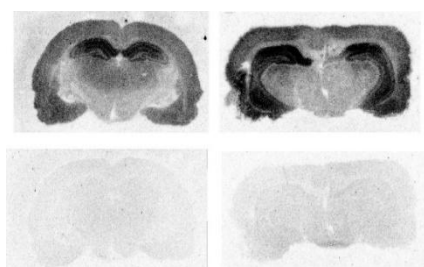
[³⁵S]GTP γ S binding in rat brain slices. In the presence of the 5-HT_{1a} agonist, 8-hydroxy-DPAT (10 μ M), [³⁵S]GTP γ S binding was increased relative to basal levels in the hippocampus, ventral cortex and hypothalamus, reflecting the distribution of agonist-activated receptors. Non-specific [³⁵S]GTP γ S binding was defined using unlabeled GTP γ S (10 μ M).



Binding of [³H]LRRK2-IN-1 to the LRRK2 enzyme in rat kidney. Sections on the left are total binding and the two sections on the right non-specific binding, defined using unlabeled LRRK2-IN-1 (10 μ M).



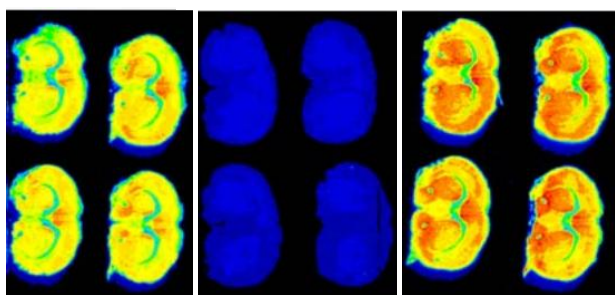
Binding of [³⁵S]TBPS to GABA_a receptors in dog cerebellum. The two sections on the left are total binding and the two sections on the right non-specific binding, defined using picrotoxin (30 μ M).



[³H]MK801 binding to NMDA receptors in coronal sections in rat brain. Upper two sections are total binding and lower two sections non-specific binding, defined using unlabeled MK801 (10 μ M).

Gifford Bioscience specialize in the measurement of target distribution and ligand binding in animal and human tissue using autoradiography.

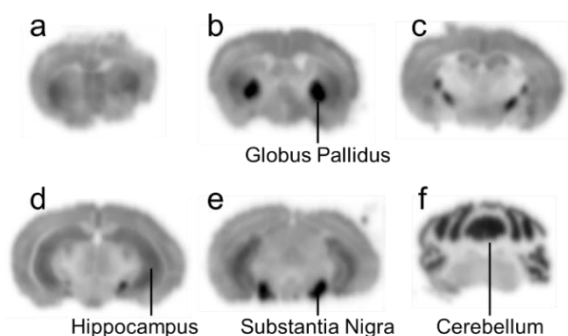
Basal Non-Specific DAMGO (0.3 μ M)



[³⁵S]GTP γ S binding in mouse brain sections.

In the presence of DAMGO (0.3 μ M), [³⁵S]GTP γ S binding was increased relative to basal levels, especially in the striatum and nucleus accumbens, due to activation of mu receptors. Non-specific [³⁵S]GTP γ S binding was defined using unlabeled GTP γ S (10 μ M). Radioactivity levels shown using a color “heat map” scale.

Ex Vivo Receptor Autoradiography



Autoradiography in brain from a mouse administered the radioiodinated cannabinoid CB1 receptor radioligand, [¹²⁵I]AM2233. Sections (coronal) imaged using phosphor imaging. Radioactivity distribution is consistent with selective binding to the CB1 receptor.