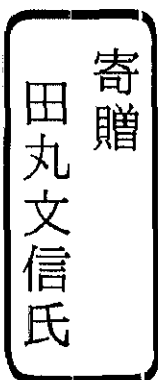


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Functional Differentiation of Retinal Neurons from
Multipotent Marginal Progenitor Cells in Sliced Retina of
Adult Goldfish, *Carassius auratus*

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Abbreviations

A : amacrine cell
4-AP : 4-aminopyridine
B : bipolar cell
BV : blood vessel
C : cone photoreceptor cell
CNS : central nervous system
DAB : 3,3'-diaminobenzidine-tetrahydro-chloride
E : electrode
F : filter paper
G : ganglion cell
GCL : ganglion cell layer
H : horizontal cell
 I_{inst} : instantaneous current
INL : inner nuclear layer
IPL : inner plexiform layer
 I_{ss} : steady state current
LY : Lucifer Yellow CH
M : marginal region
ONL : outer nuclear layer
OPL : outer plexiform layer
PB : phosphate buffer
PBS : phosphate-buffered saline
PCNA : proliferating cell nuclear antigen
R : rod photoreceptor cell
RCL : receptor cell layer
RPE : retinal pigmented epithelium
RT : room temperature
SE : standard error
TEA-Cl : tetraethylammonium-chloride
TTX : tetrodotoxin