Tables
<table>
<thead>
<tr>
<th>(mM)</th>
<th>CsCl</th>
<th>CaCl₂</th>
<th>NaCl</th>
<th>HEPES</th>
<th>EGTA</th>
<th>TEA</th>
<th>ATP-Mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>115</td>
<td>0.5</td>
<td>0</td>
<td>5</td>
<td>5</td>
<td>30</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>110</td>
<td>0.5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>30</td>
<td>2</td>
</tr>
</tbody>
</table>

All solutions contained 0.02% Lucifer Yellow CH (dipotassium salt). The pH was adjusted to 7.4 with CsOH. The osmolality was 255-265 mmol/kg. [Ca²⁺] = 2.66 nM.

<table>
<thead>
<tr>
<th>(mM)</th>
<th>NaCl</th>
<th>KCl</th>
<th>CaCl₂</th>
<th>MgCl₂</th>
<th>CsCl</th>
<th>TEA</th>
<th>4-AP</th>
<th>CoCl₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>145</td>
<td>5</td>
<td>2.5</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>B</td>
<td>125</td>
<td>0</td>
<td>2.5</td>
<td>1</td>
<td>0</td>
<td>20</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>C</td>
<td>110</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>30</td>
<td>5</td>
<td>1.5</td>
</tr>
</tbody>
</table>

All solutions contained (in mM): 10 glucose and 5 HEPES. The pH was adjusted to 7.4 with HCl or NaOH. The osmolality was 260-270 mmol/kg.
Table 3. Comparison of the Activation Voltage and Maximum Current Amplitude of Intermediate and Mature Ganglion Cells

<table>
<thead>
<tr>
<th></th>
<th>n</th>
<th>Activation voltage (mV)</th>
<th>Maximum current (pA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marginal cells</td>
<td>37</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Intermediate cells</td>
<td>17</td>
<td>-40 ± 1 (-35 ~ -45)</td>
<td>257 ± 32 (56 ~ 492)</td>
</tr>
<tr>
<td>Ganglion cells</td>
<td>10</td>
<td>-54 ± 1 (-50 ~ -60)</td>
<td>1,621 ± 263 (617 ~ 4,313)</td>
</tr>
</tbody>
</table>

'Data are presented as mean ± SE. n, number of cells.'
Table 4. Comparison of the Electrophysiological and the Morphological Properties of Marginal Progenitor Cells, Intermediate Cells and Mature Ganglion Cells

<table>
<thead>
<tr>
<th></th>
<th>Gap junction</th>
<th>Na⁺ channel</th>
<th>Neurite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marginal cells</td>
<td>+</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>(Proximal region)</td>
<td>-</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Intermediate cells</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Distal region)</td>
<td>-</td>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>Ganglion cells</td>
<td>Not Examined¹</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

¹Gap junctions between mature ganglion cells has been reported (for review, see Vaney, 1994).