Specific message: Search for selective anxiolytics

Septo-hippocampal **theta activity**: enhanced by anxiogenics

*BUT*

shows positive correlation with cognitive performance !!

paradoxical (?) activity

Characteristic frequency bands of EEG signals

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Band</th>
<th>Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 – 3 Hz</td>
<td>delta</td>
<td>$\delta$</td>
</tr>
<tr>
<td>4 – 10 Hz</td>
<td>theta</td>
<td>$\Theta$</td>
</tr>
<tr>
<td>8 – 13 Hz</td>
<td>alpha</td>
<td>$\alpha$</td>
</tr>
<tr>
<td>14 – 30 Hz</td>
<td>beta</td>
<td>$\beta$</td>
</tr>
<tr>
<td>&gt; 30 Hz</td>
<td>gamma</td>
<td>$\gamma$</td>
</tr>
</tbody>
</table>