Neuron

Volume 57 Number 2, January 24, 2008

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On the cover: The atypical vesicular glutamate transporter VGLUT3 is expressed by neurons not usually considered to release glutamate as a transmitter, raising questions about the role of glutamate stored by these cells. In this issue of *Neuron*, Seal et al. (pp. 263–275) report that a knockout of the VGLUT3 gene in mice produces deafness due to loss of glutamate release from inner hair cells of the cochlea. In addition, the knockout mice exhibit an unusual form of generalized seizures with no associated tonic-clonic motor activity and indeed little behavioral accompaniment. The cover shows a stylized digital rendering of immunofluorescence from the cochlea, with inner hair cells labeling for VGLUT3 (red) and efferent terminals for synaptophysin (green); nuclei are labeled with DAPI (blue). The EEG shows interictal discharges in knockout mice (two left panels) and heterozygous mice (third panel from left); WT mice (right panel) show no epileptiform discharges. We would like to acknowledge Dan Sirkis, a student in our lab, for the cover.