

COLLOQUIA IN CELLULAR SIGNALLING

Venue: Medical University Vienna, Center for Physiology and Pharmacology,
Institute of Pharmacology, Waehringerstrasse 13a, 1090 Vienna, "**Leseraum**".

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Friday **08.11.2013 11:00 s.t.** **Thomas Hummel** (host: H. Sitte)
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"Synaptic recognition specificity in neural circuit formation"

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Abstract:

Neural circuits in the brain are characterized by stereotyped synaptic connections between distinct neuron types. Given the enormous cellular complexity, a central question in neuroscience is how growing neurons find and recognize matching synaptic partners. We are using the genetic model system *Drosophila* to identify the cellular and molecular mechanisms underlying neural circuit formation.