

## Cover Picture

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**The cover picture shows** a Hg-SAM<sub>1</sub>//SAM<sub>2</sub>-Ag nanojunction, which allows the rapid screening of various self-assembled monolayers (SAMs) for their electronic properties. The setup of this molecular junction, which consists of a mercury electrode with SAM<sub>1</sub> (top) and a silver-coated silicon wafer with SAM<sub>2</sub> (bottom), is simple and allows the rapid screening of various functionalized monolayers. In the picture an interfacial reflection (mirror image) of the mercury drop in the lower silver surface is observed. In this test-bed the electronic properties of various aromatic and terminally functionalized SAMs were determined and correlated with the molecular structure of the respective SAM. Further details on this nanojunction are reported by M. A. Rampi, G. M. Whitesides et al. on p. 2316 ff.

