Supporting Information for

Friction reduction through biologically inspired scale-like laser surface textures

Johannes Schneider^{1,2}, Vergil Djamiykov^{1,2} and Christian Greiner*^{1,2}

Address: ¹Institute for Applied Materials (IAM), Karlsruhe Institute of Technology (KIT), Kaiserstrasse 12, 76131 Karlsruhe, Germany and ²KIT IAM-CMS MikroTribologie Centrum µTC, Strasse am Forum 5, 76131 Karlsruhe, Germany

Email: Christian Greiner - greiner@kit.edu

Additional Figures

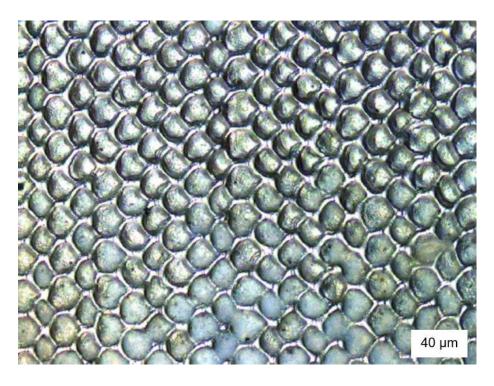


Figure S1: Optical micrograph of a scale-like surface texture after 1000 m of dry sliding against sapphire.

^{*} Corresponding author

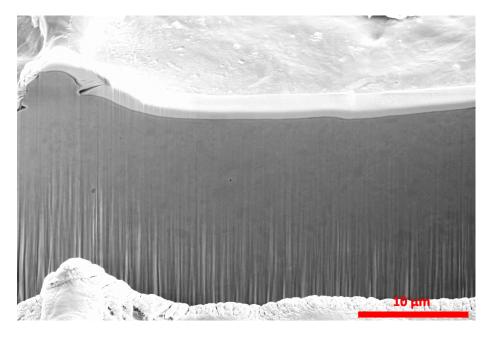


Figure S2: Scanning electron microscopy image of a focused ion beam cross-section of a laser textured sample.



Figure S3: Optical micrograph of a PEEK disc after a dry sliding experiment.