

bioafmlab meeting 30-10-07 report**From:** [Federica Galli <galli@physics.leidenuniv.nl>](mailto:galli@physics.leidenuniv.nl) (LION)**To:** oosterkamp@physics.leidenuniv.nl**CC:** aartsma@physics.leidenuniv.nl, katan@physics.leidenuniv.nl, es@physics.leidenuniv.nl, rijsewijk@physics.leidenuniv.nl, magis@physics.leidenuniv.nl, noort@physics.leidenuniv.nl, Heeres@Physics.LeidenUniv.nl, stan@physics.leidenuniv.nl, frese@physics.leidenuniv.nl, patil@physics.leidenuniv.nl, k.wagner@chem.leidenuniv.nl, bahatyrova@physics.leidenuniv.nl, liuln@physics.leidenuniv.nl, beker@physics.leidenuniv.nl, loo@physics.leidenuniv.nl, a.korobko@chem.leidenuniv.nl, "Jaeger, M. de" <Jaeger@Physics.LeidenUniv.nl>, Jan-Willem Beenakker <jw@beenakker.com>, "Yuana, Y. \(\ONCO\)" <Y.Yuana@lumc.nl>, f.wiertz@chem.leidenuniv.nl, zhang@physics.leidenuniv.nl, beekman@physics.leidenuniv.nl, kelly@physics.leidenuniv.nl, komissarov@physics.leidenuniv.nl, he@physics.leidenuniv.nl, d.georgieva@chem.leidenuniv.nl, kamran@physics.leidenuniv.nl, Ashcroft@physics.leidenuniv.nl**Date:** 2007-10-30 22:34

Present: Maarten, Werner, Brian, Anne France, Federica

Werner:

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He and Raymond have just finished the design of a very low noise (0.4 nV/sqrt(Hz)) voltage (small input signals, typically uV, max 0.1V) preamplifier based on matched electronic components. G=10 and bw~1MHz.

Maarten:

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Shows further analysis on his recognition images acquired in Linz. 1. Topography after 2D-FFT bandpass filter. A number of defects are visible in the regular lattice 2. overlay of trace and retrace of topography (good) 3. overlay of trace and retrace of recognition images, binding sites do overlap. 4. center of the recognition ellipses: their position is strongly correlated -close to- the lattice defects.

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