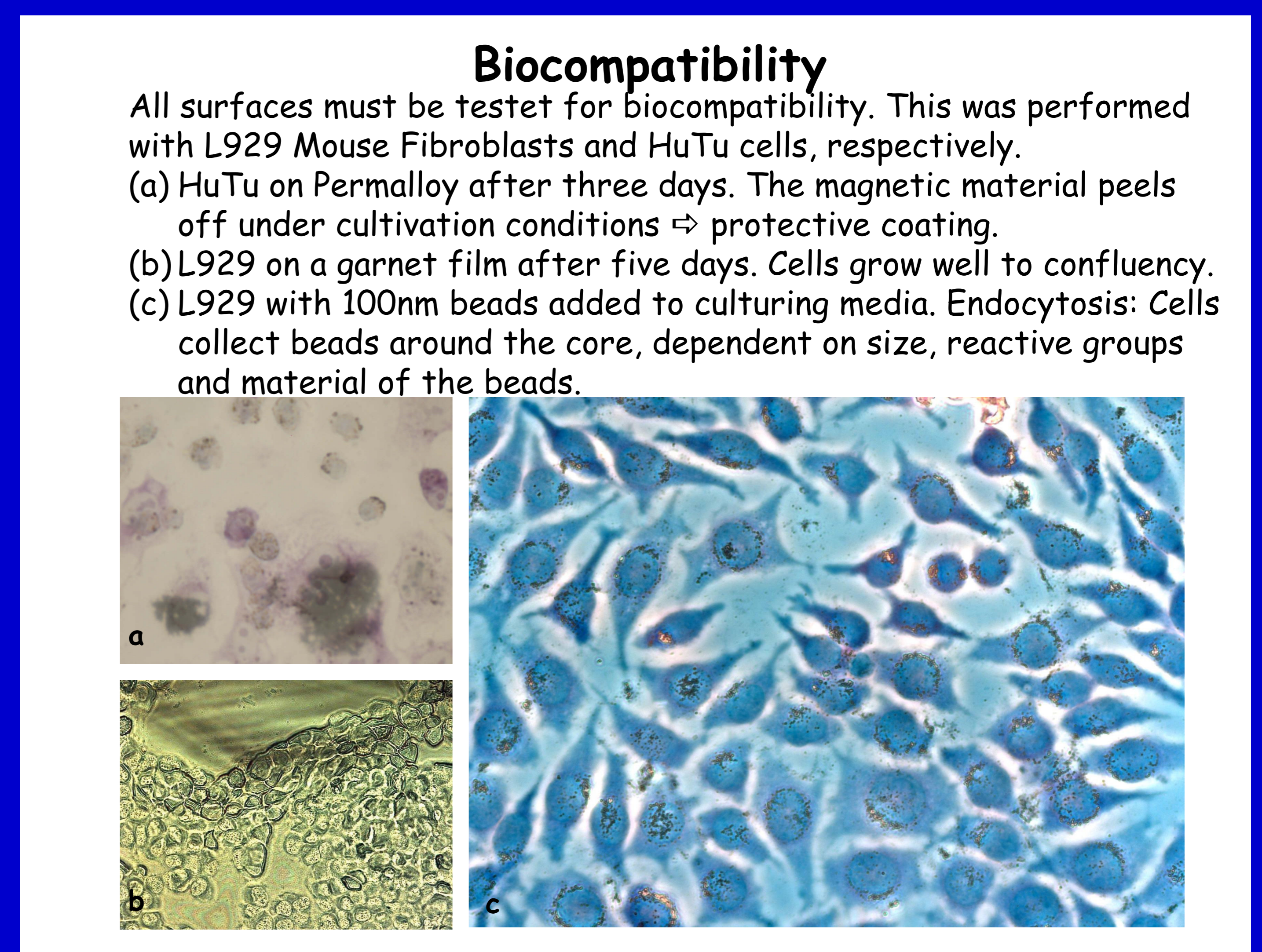
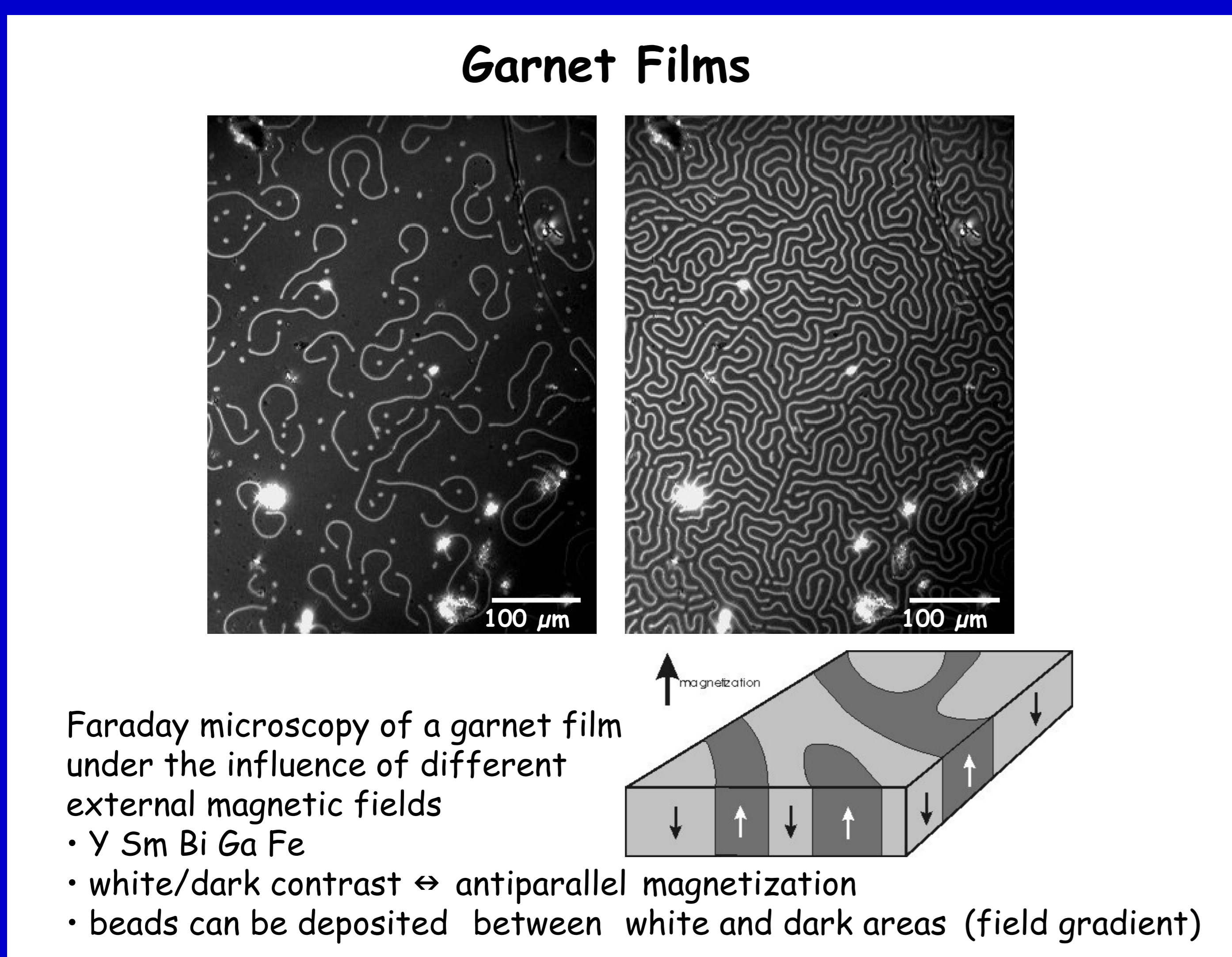
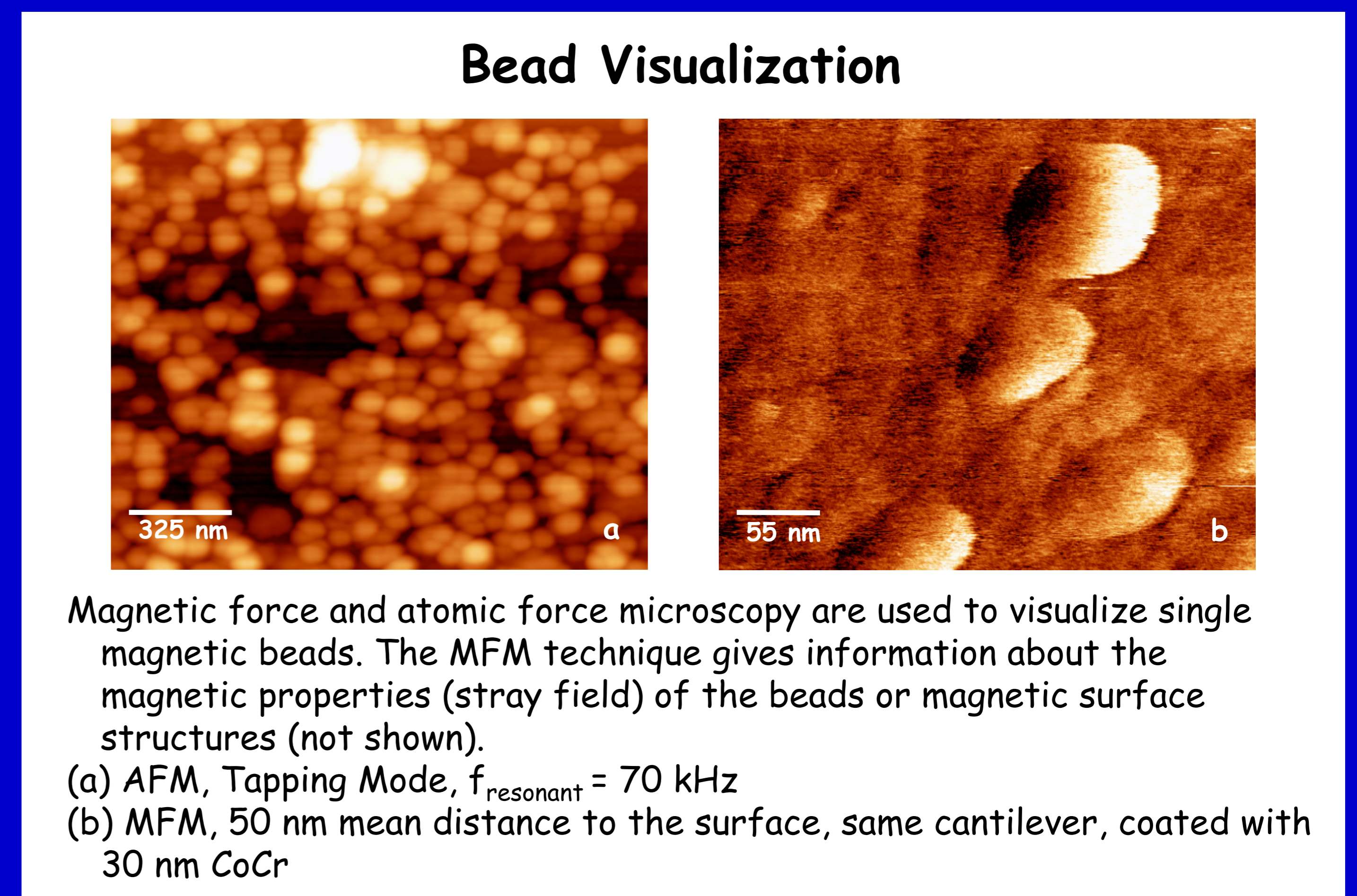
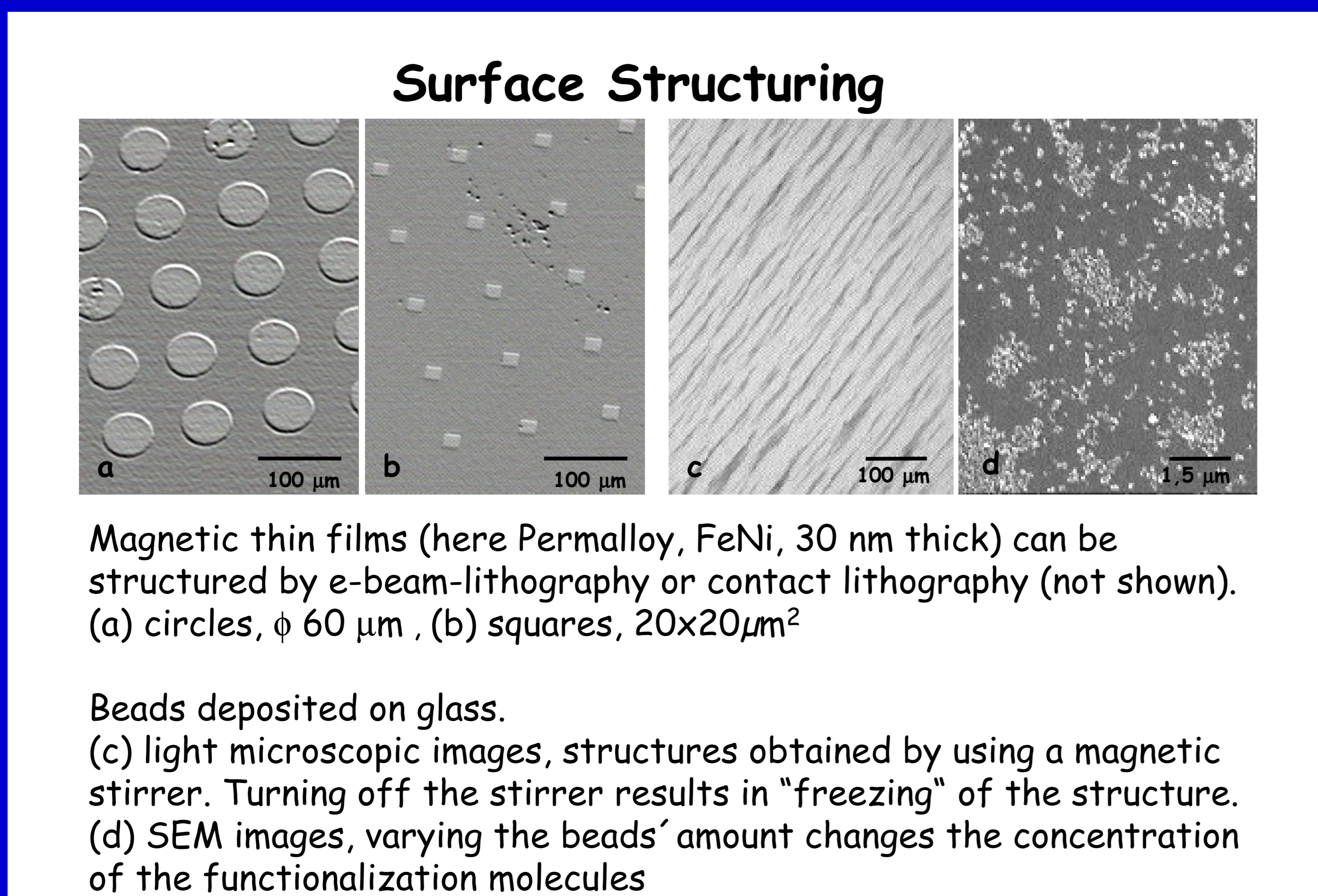
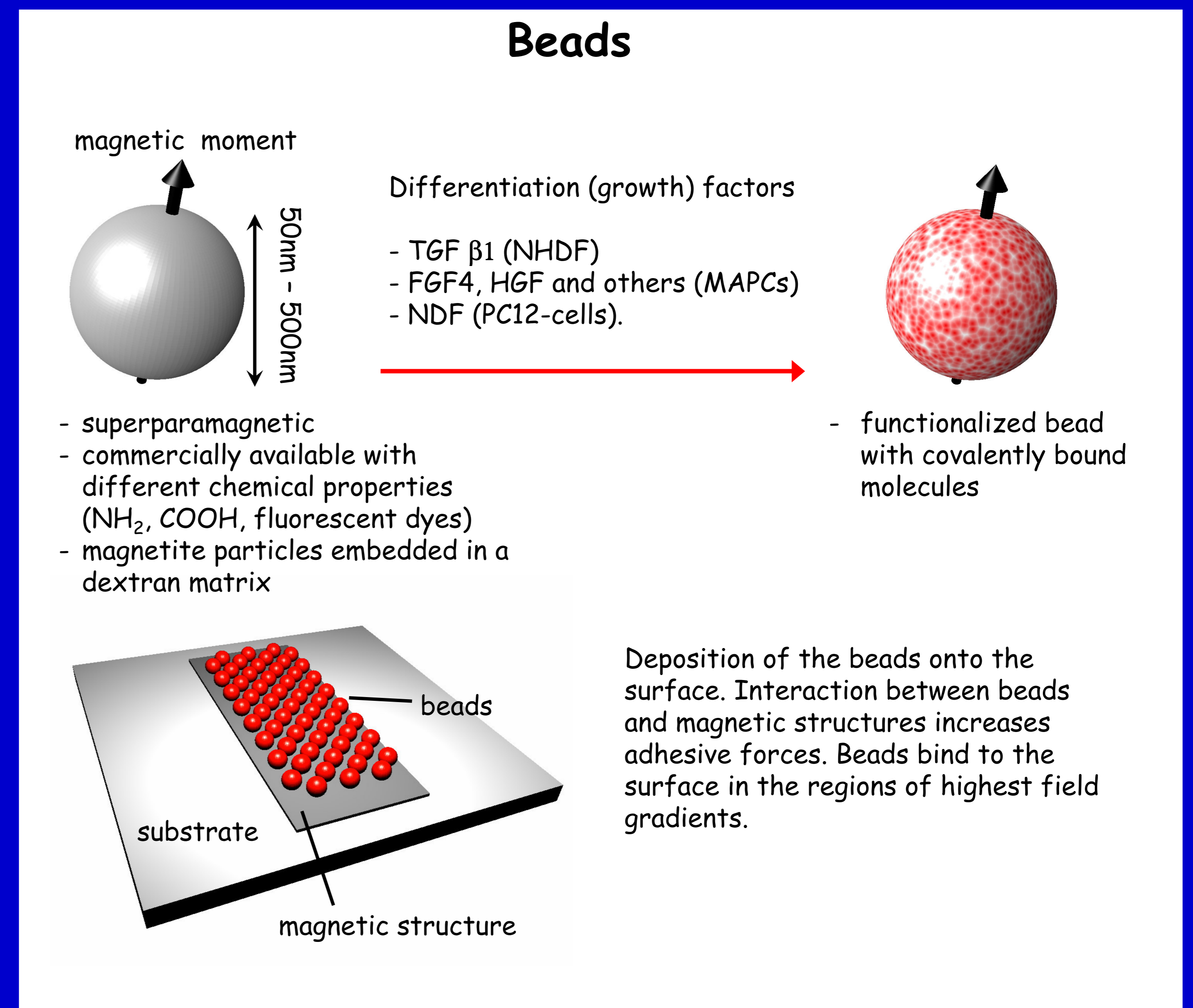
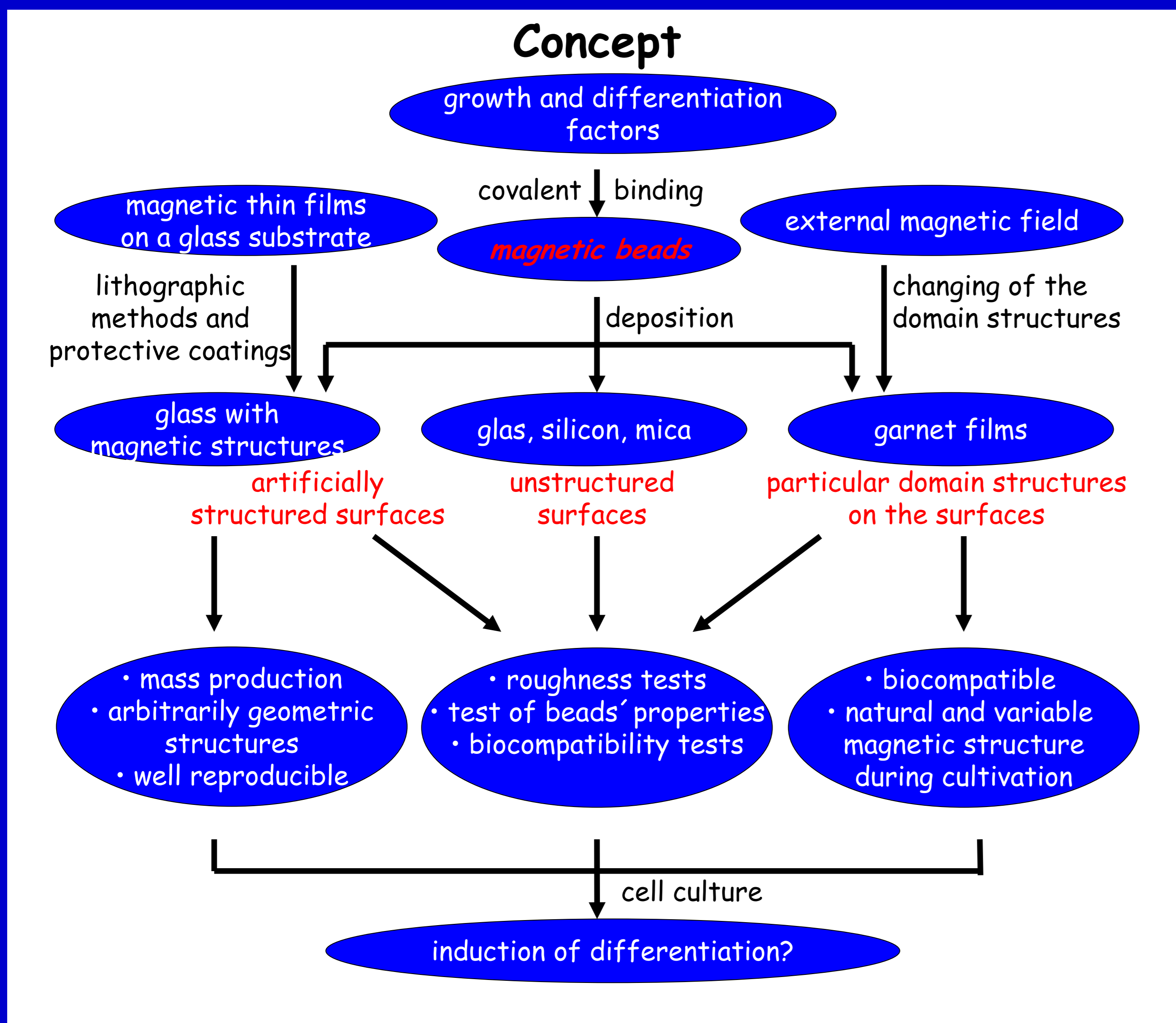


Magnetic nanobeads used for the development of structured biocompatible surfaces to induce cell differentiation

J. Ible and U. Hartmann
 Institute of Experimental Physics, P.O. Box 151 150, 66041 Saarbrücken, Germany



Summary

A highly variable set up for a straightforward change of the chemical and topographical properties of a substrate for inducing cell differentiation is presented. The usage of functionalized magnetic beads allows to combine topographical with chemical (biomolecules) conditions.

Acknowledgment

• This Poster and the work it concerns were generated in the context of the CellPROM project, funded by the European Community as contract No. NMP4-CT-2004-500039 under the 6th Framework Programme for Research and Technological Development.
 • Collaboration with M. Loichen is acknowledged.