Proteomics Course

LECTURE-31
Microarray work-flow:
Image scanning and
processing

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Lecture outline

- Microarray image scanning
- Discussion and demonstration of image scanning and processing
  - Basic concepts
    - Ratio Image Biology
    - Scanner settings, PMT (photo multiplier tube), filter selection
    - GAL (gene array list)
    - Flagging spots

Summary

- Microarray image scanning and processing

- Discussion and demonstration to cover basic concepts related to microarray image scanning

References

- Anders Bengtsson* and Henrik Bengtsson. Microarray image analysis: background estimation using quantile and morphological filters. BMC Bioinformatics 2006, 7:96 doi:10.1186/1471-2105-7-96

- Latha Ramdas, Wei Zhang. Microarray Image Scanning. Cell Imaging Techniques. Methods in Molecular Biology. Volume 319, 2006, pp 261-273.

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