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Berlin, 08 November 2011

# Good Scientific Practice: Ethical Manipulation of Images

***“No specific feature within an image may be enhanced, obscured, moved, removed or introduced. The grouping of images from different fields of view or exposures must be made explicit by the arrangement of the figure (e.g., using dividing lines) and in the text of the figure legend. Adjustments of brightness, contrast, or color balance are acceptable if they are applied to the whole image (and to corresponding control images as well), as long as they do not obscure or eliminate any information present in the original. Nonlinear adjustments (e.g., changes to gamma settings) must be disclosed in the figure legend.”***

Source, Nov 2011:

<http://www.med.uvm.edu/microscopyimaging/TB1+BL.asp?SiteAreaID=584>

<http://www.jbc.org/site/misc/photoshop.xhtml>

See also:

<http://www.niehs.nih.gov/research/atniehs/labs/lep/special/core-support/digital-analysis/doc/ethics.pdf>