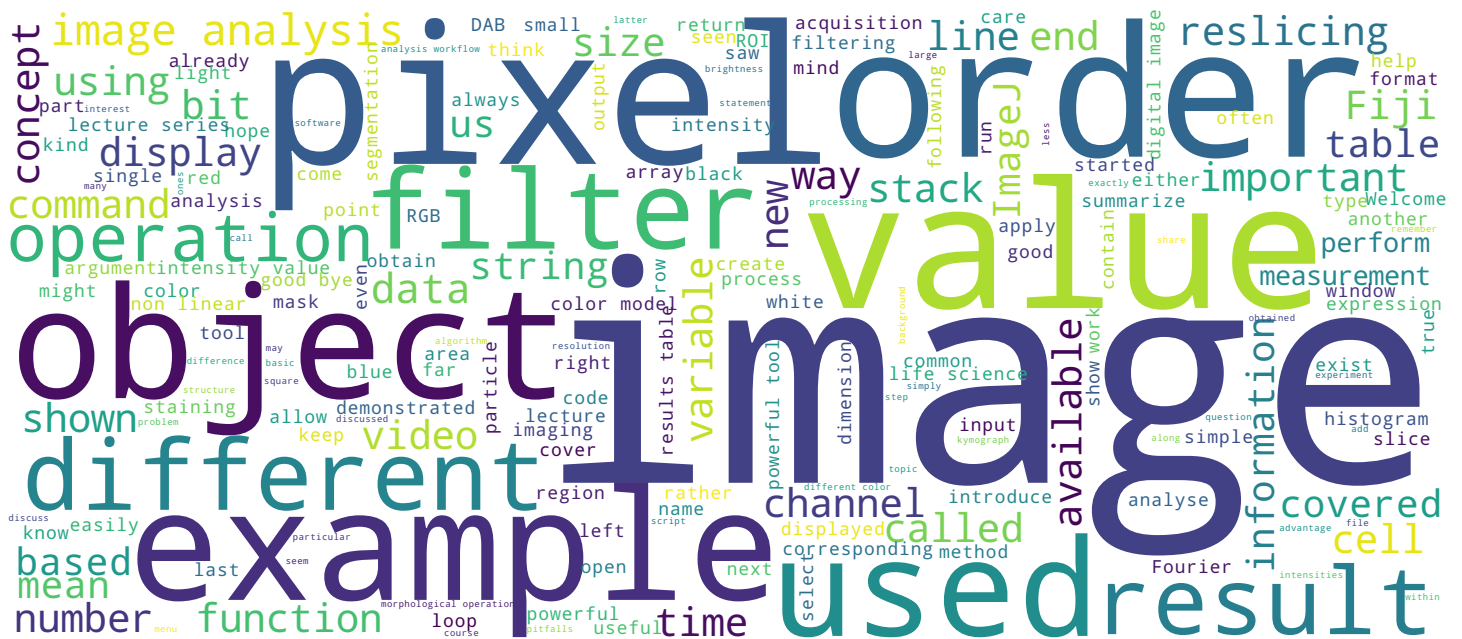


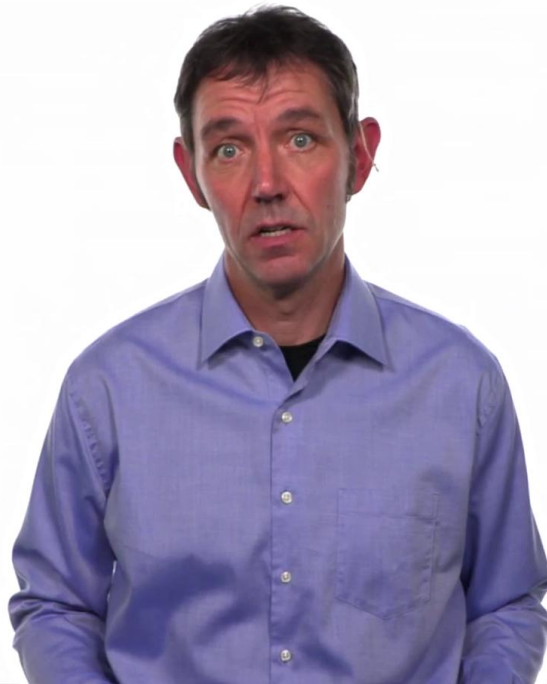
# Color in Depth, Projections, Reslicing

## Image Processing & Analysis for Life Scientists

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# Color in Depth, Projections, Reslicing



So let's summarize what had been covered in that lecture series covering color, color models, projections and reslicing. We started by introducing different color models and how they can be used for the segmentation of classical histological stainings like H&E and DAB. For the latter one, we demonstrated that it is based on absorption and scattering, and pointed out the pitfalls with this staining in image analysis. In the second part we introduced projection methods, which are versatile tools in order to display and analyses multidimensional data stacks. With filters, they share in common that linear and non-linear projections exist. We demonstrated the use of the different methods in image analysis workflows. The third part was covering the concept of reslicing. It can be used in order to inspect 3D datasets and help to display it on a 3D screen. Moreover, it is a powerful tool in order to analyse the movement of moving objects with so called time space plots or kymographs. I hope we were able to convince you how powerful and important these three topics are in image analysis for life sciences. Take care and good bye.

Notes

Summary



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