Deep Learning for Microscopy Image Analysis in Materials Science: Advancing Research and Education Workshop

## **Data Augmentation Techniques**

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## Use a sliding window cropper to enhance the dataset



## Rotate and flip the image to increase variability



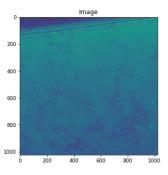
## Adding noise to simulate noises during imaging





Blur

Salt & Pepper



Gaussian

