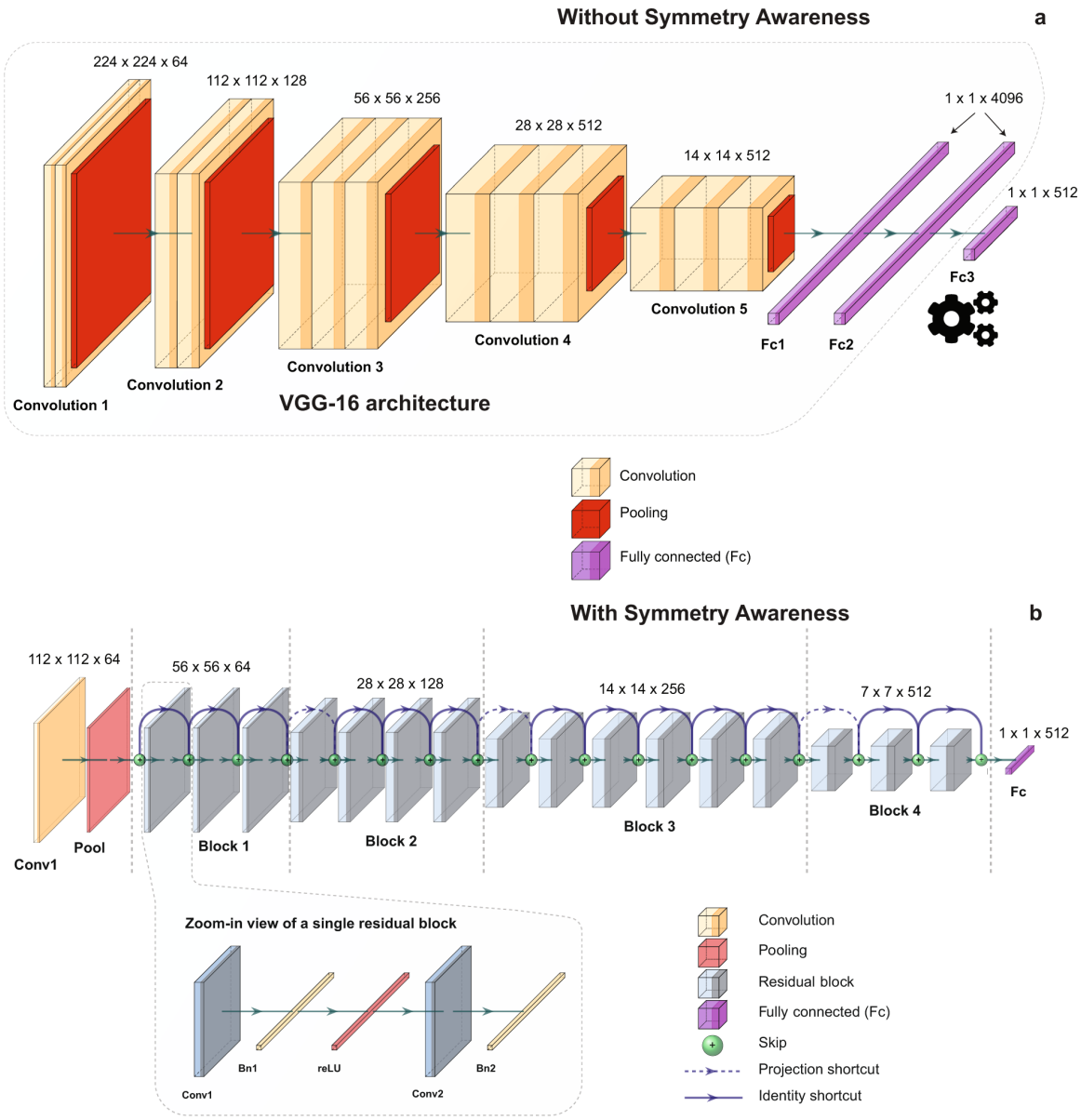
Research Highlight:
Symmetry-Aware Recursive Image Similarity Exploration for Materials Microscopy

Researchers create artificial neural networks that detect symmetry and patterns

A DMS-supported research team developed and effectively taught an artificial neural network to sense symmetry and structural similarities in materials and to create similarity projections. In the first effort of its kind, the researchers used this innovation to search a database of more than 25,000 images and successfully classified similar materials. The researchers published their findings in the journal *npj Computational Materials*.