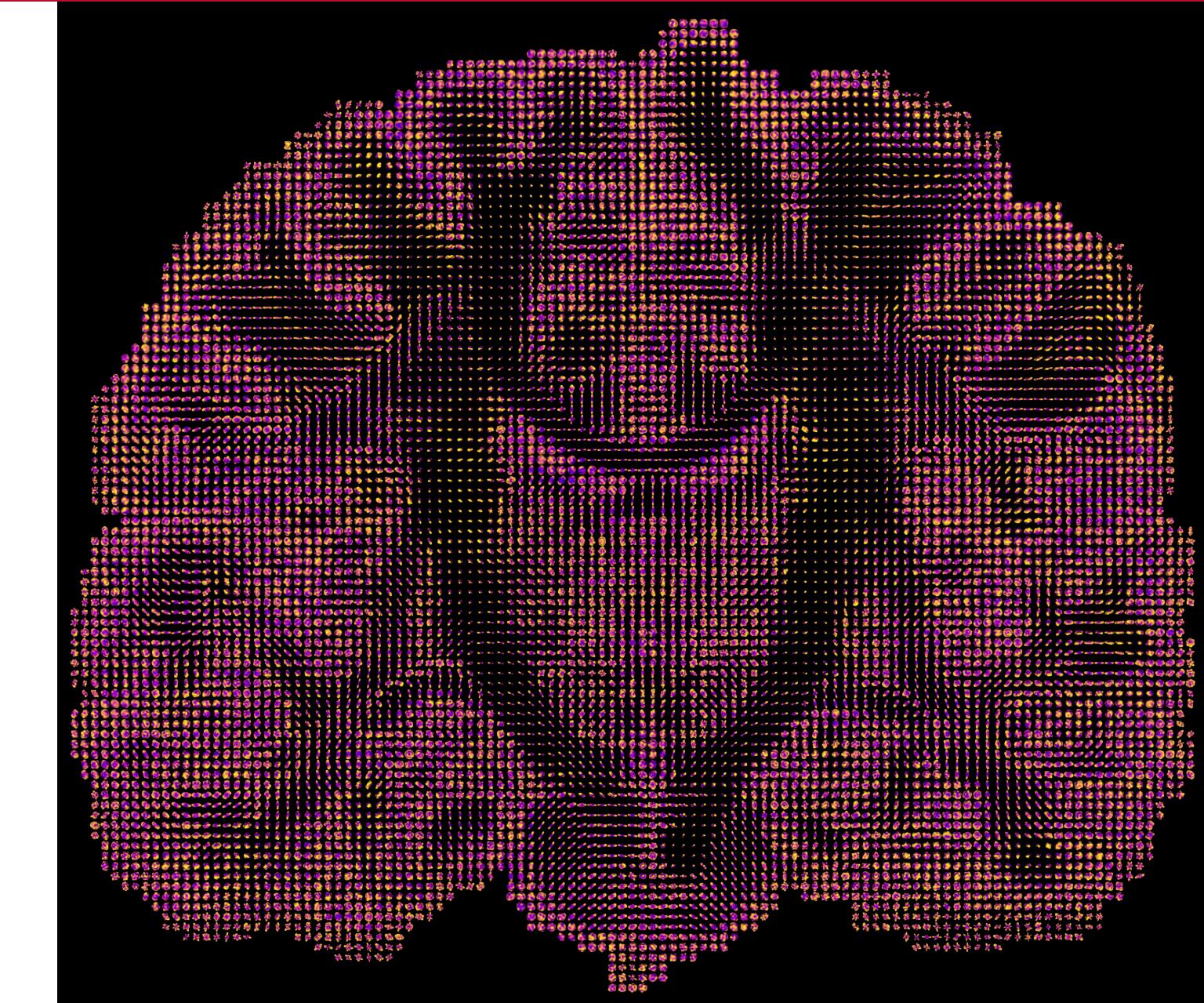
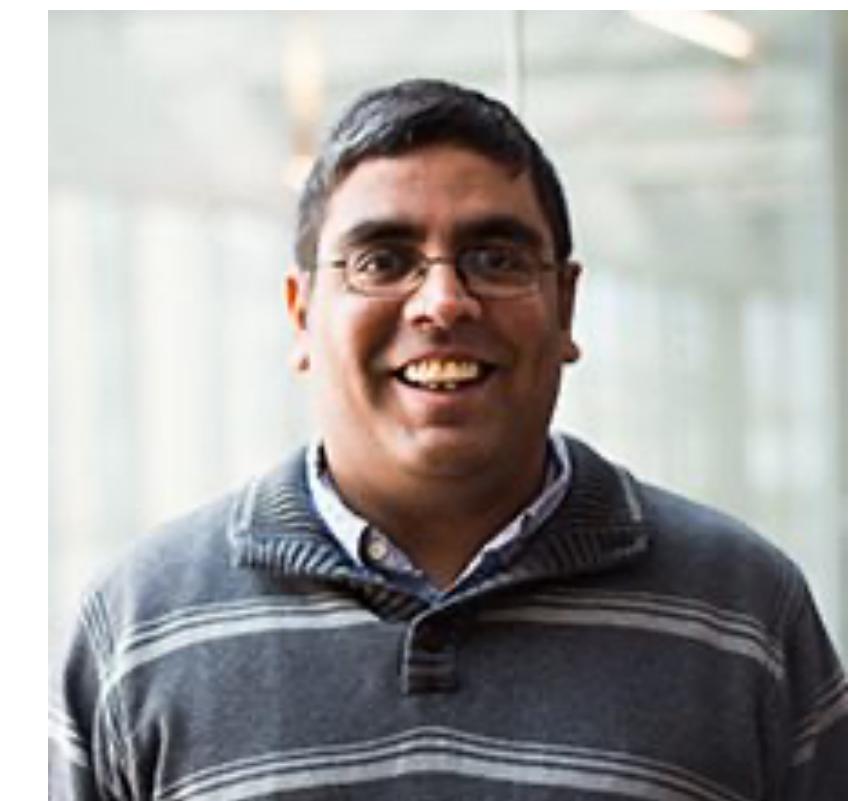
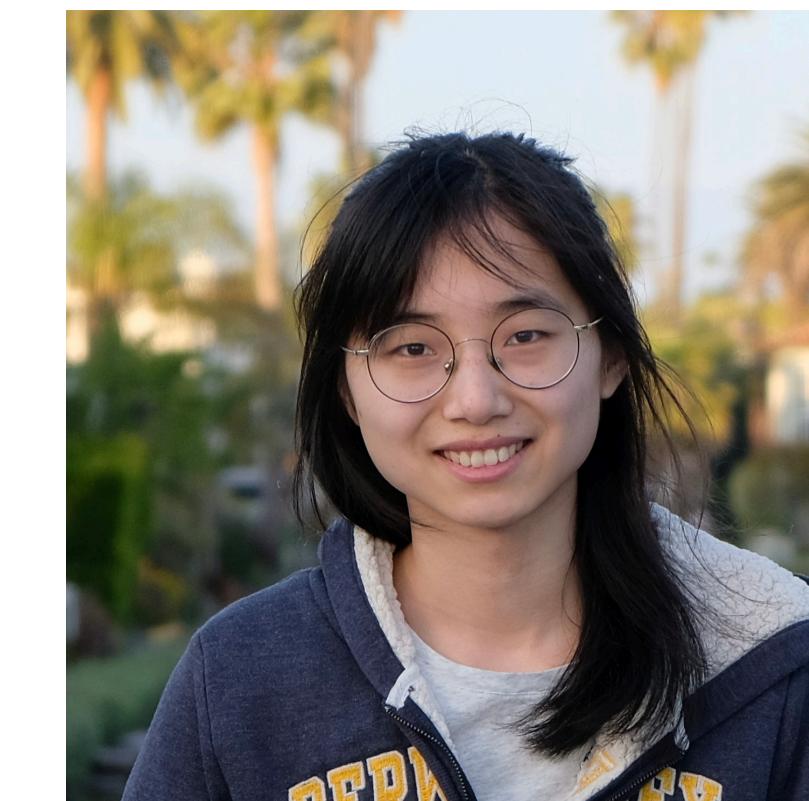
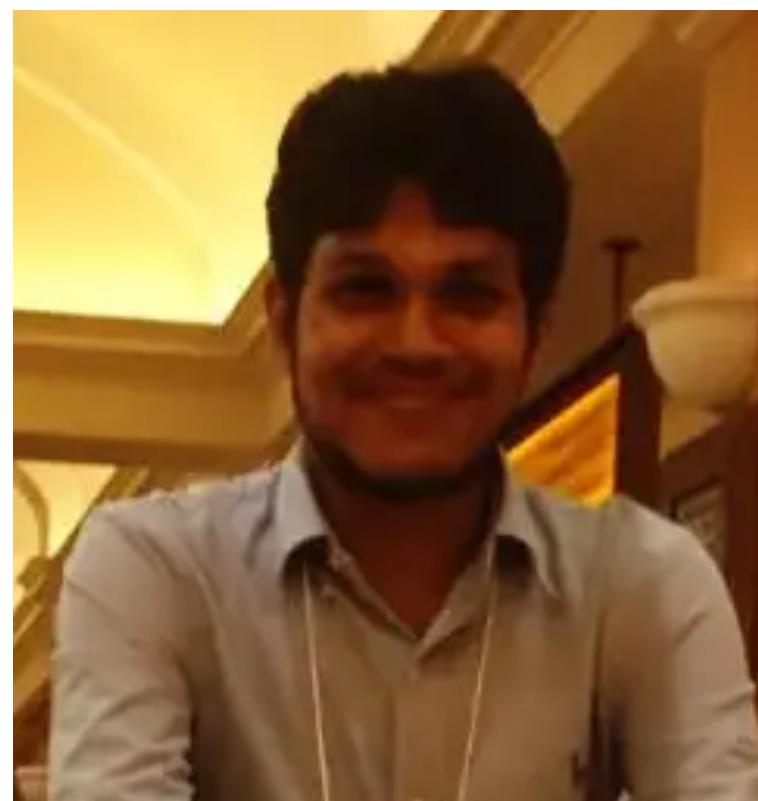




Flow-based Generative Models For Learning Manifold to Manifold Mappings

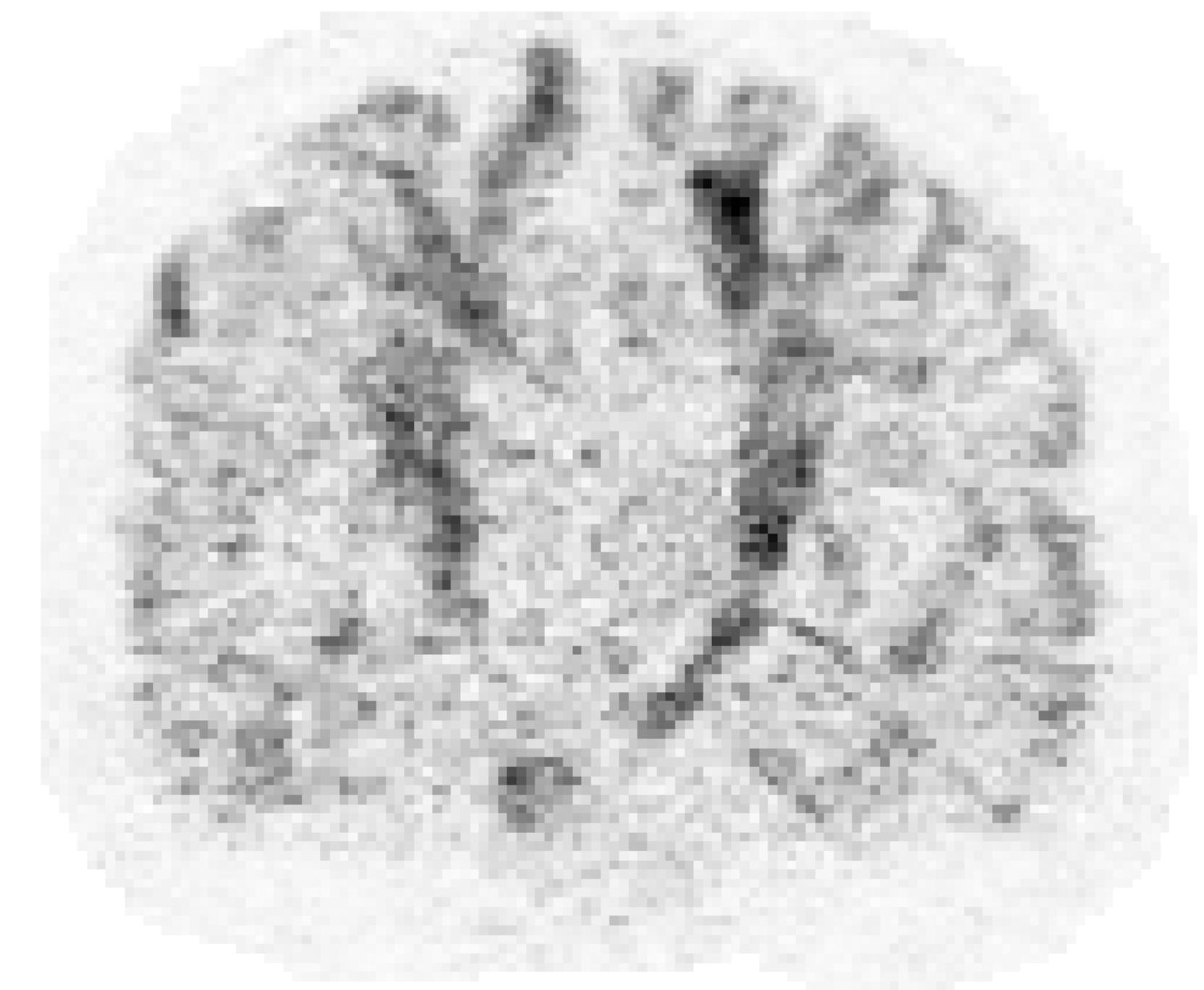


Xingjian Zhen, Rudrasis Chakraborty, Liu Yang, Vikas Singh





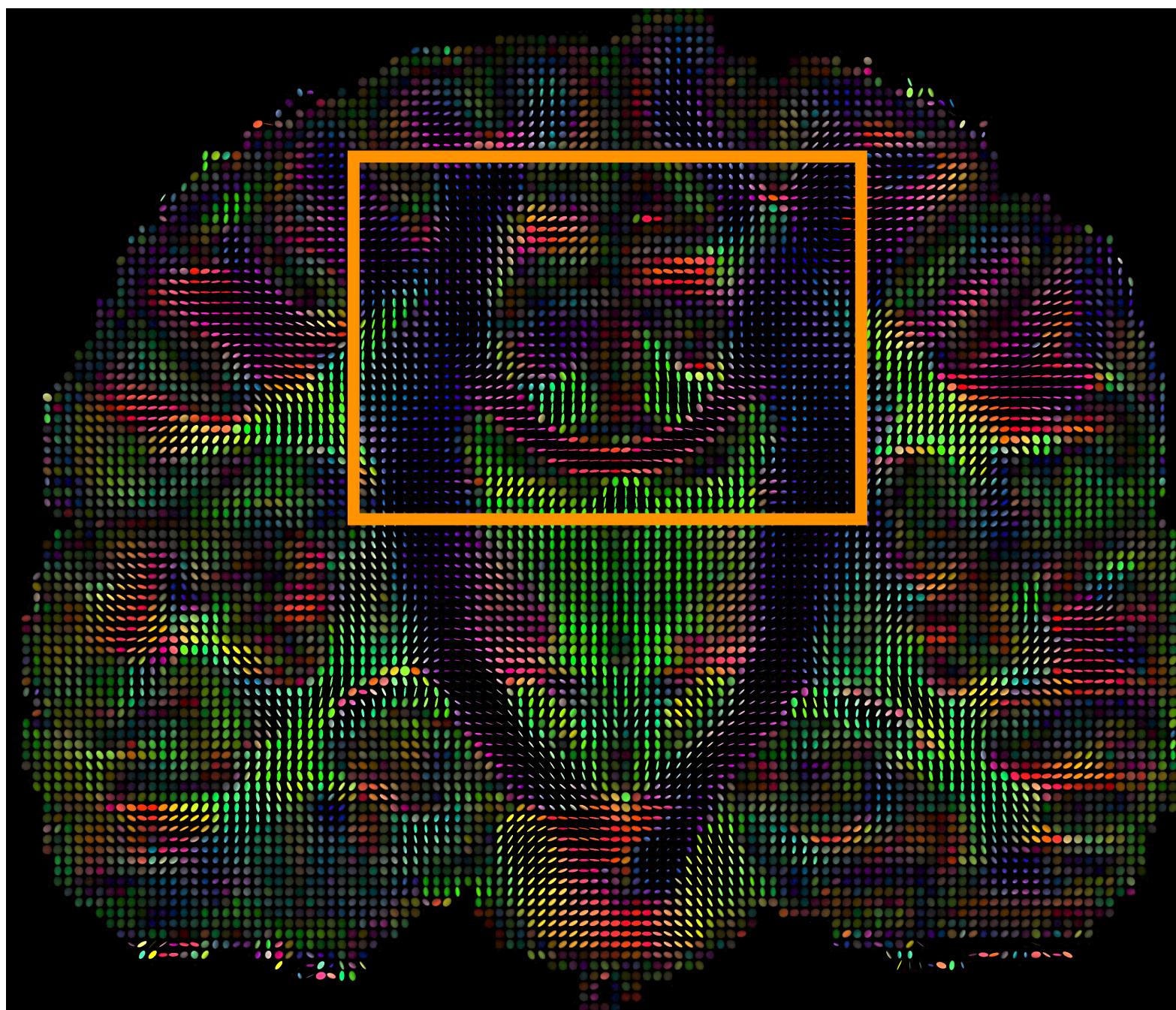
Brain connectivity and Diffusion MRI



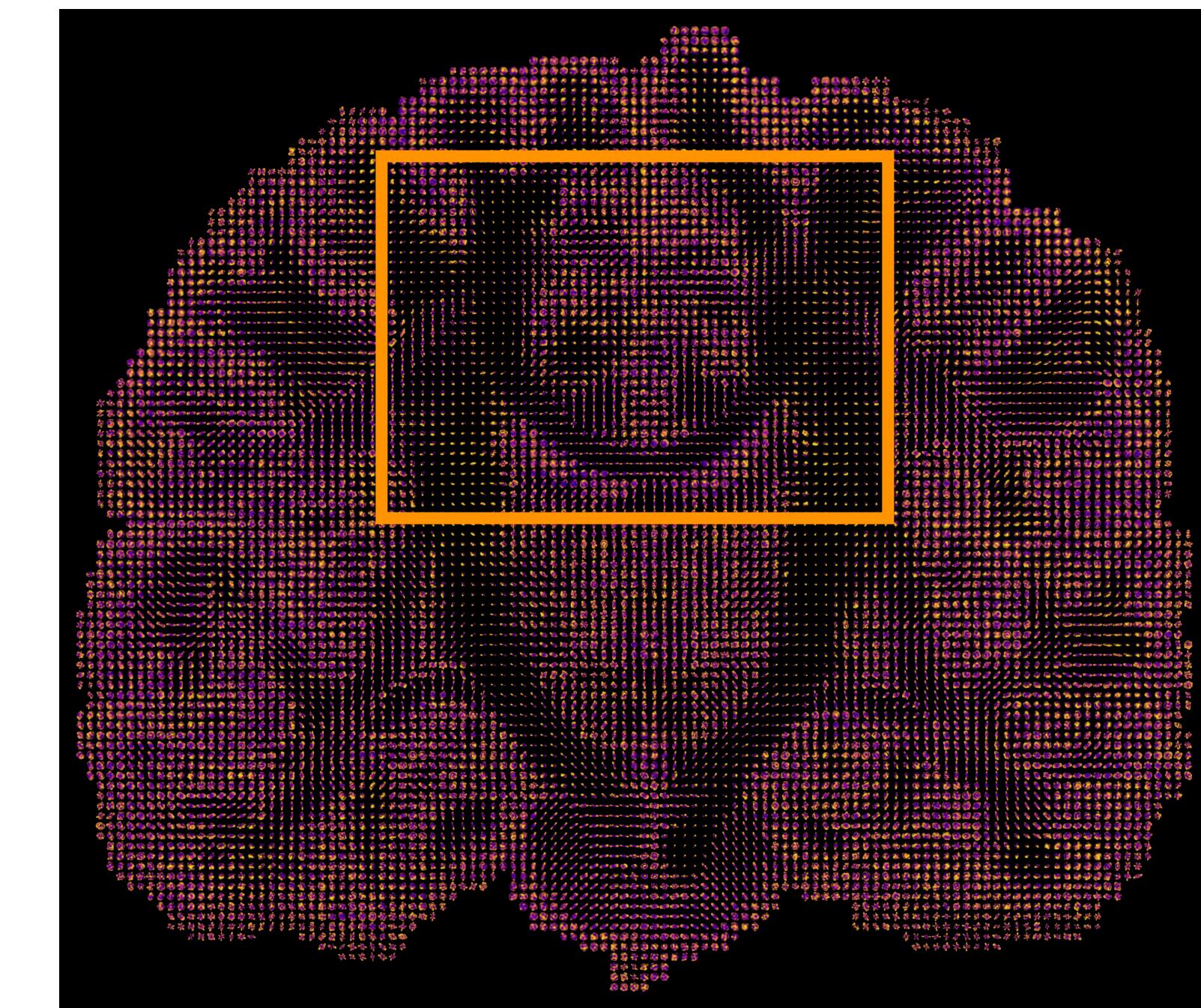
Diffusion MRI



To measure the microstructure



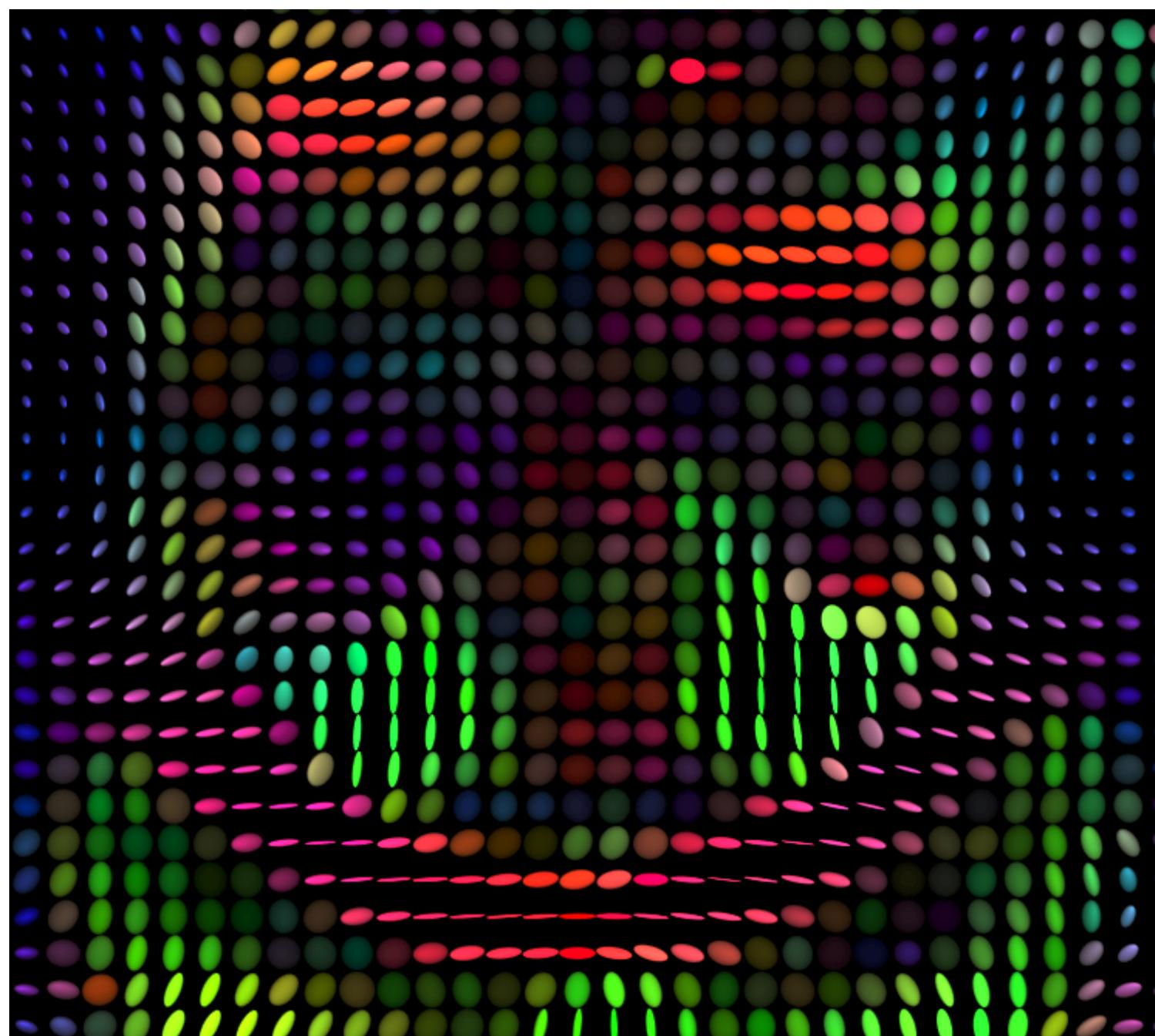
DTI



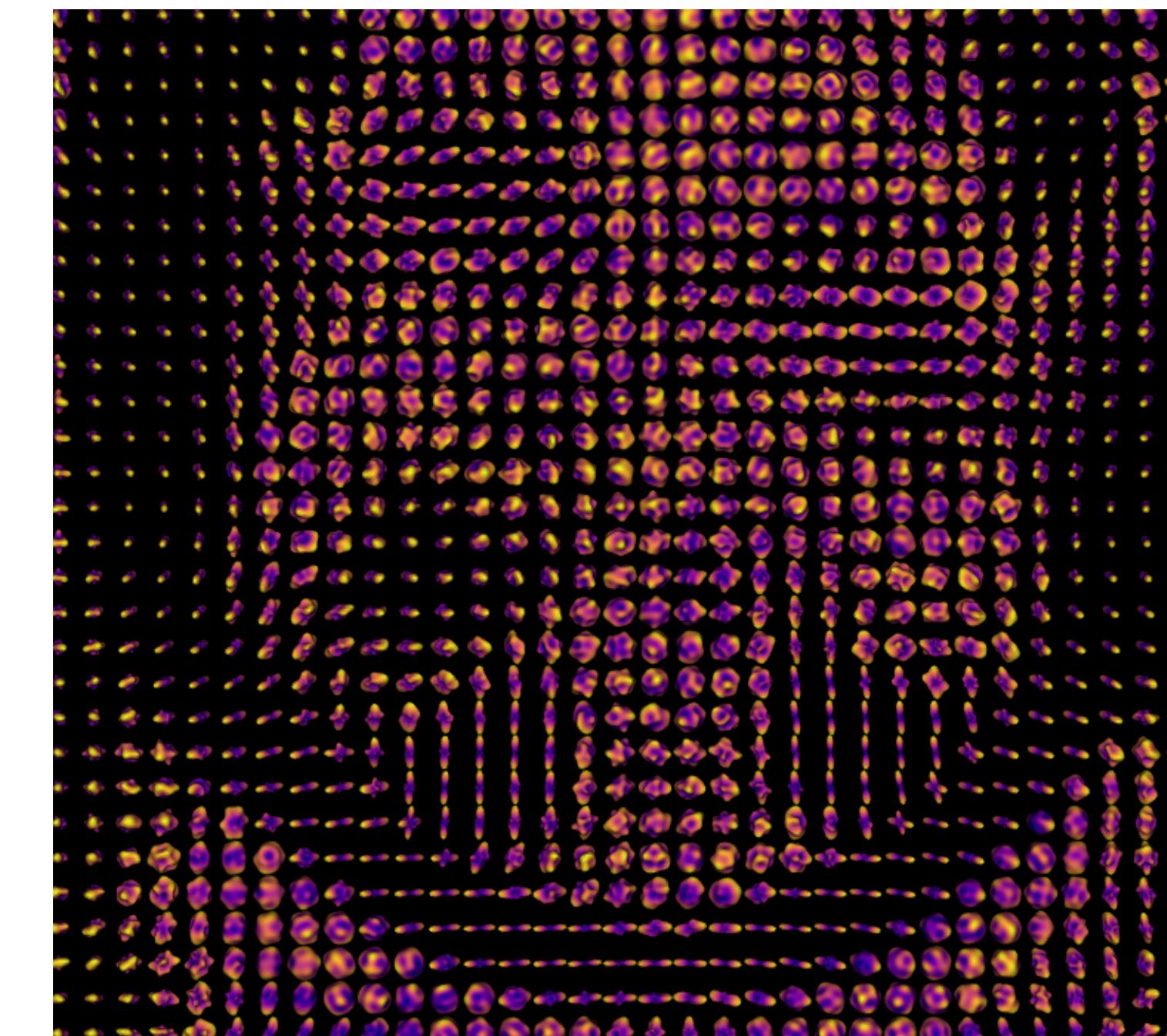
ODF



To measure the microstructure



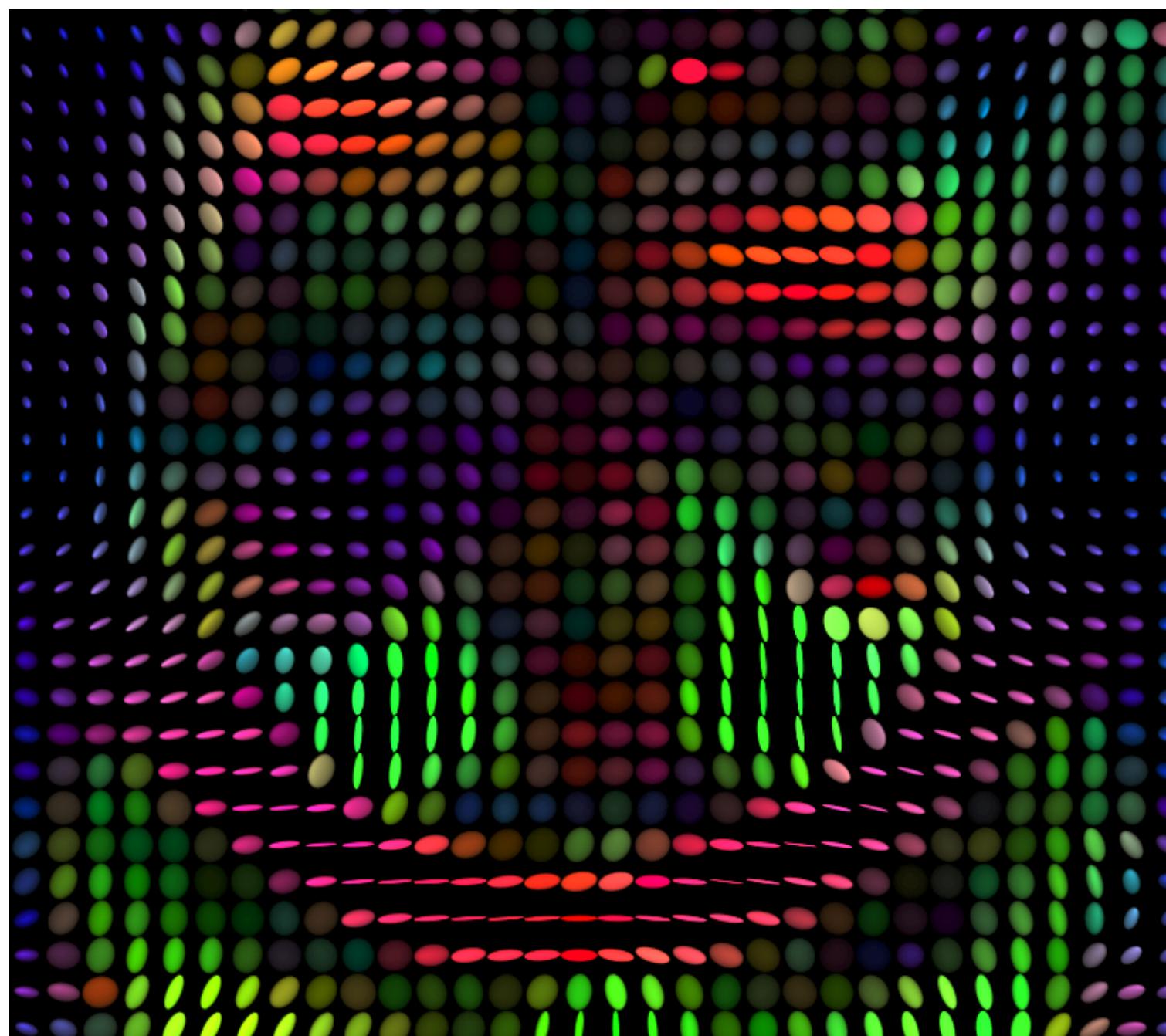
DTI



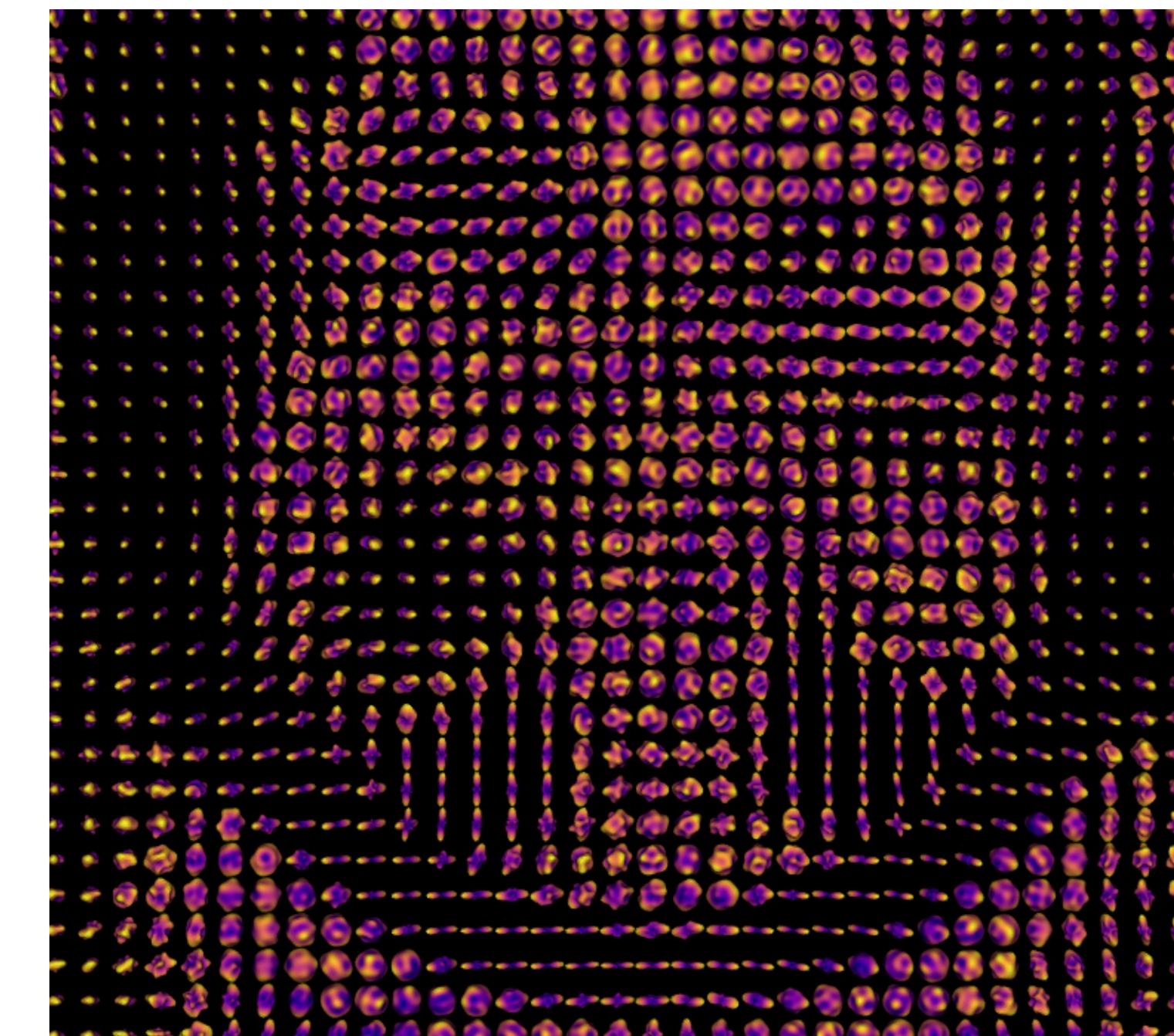
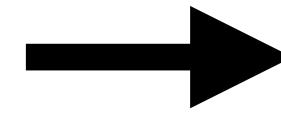
ODF



To measure the microstructure



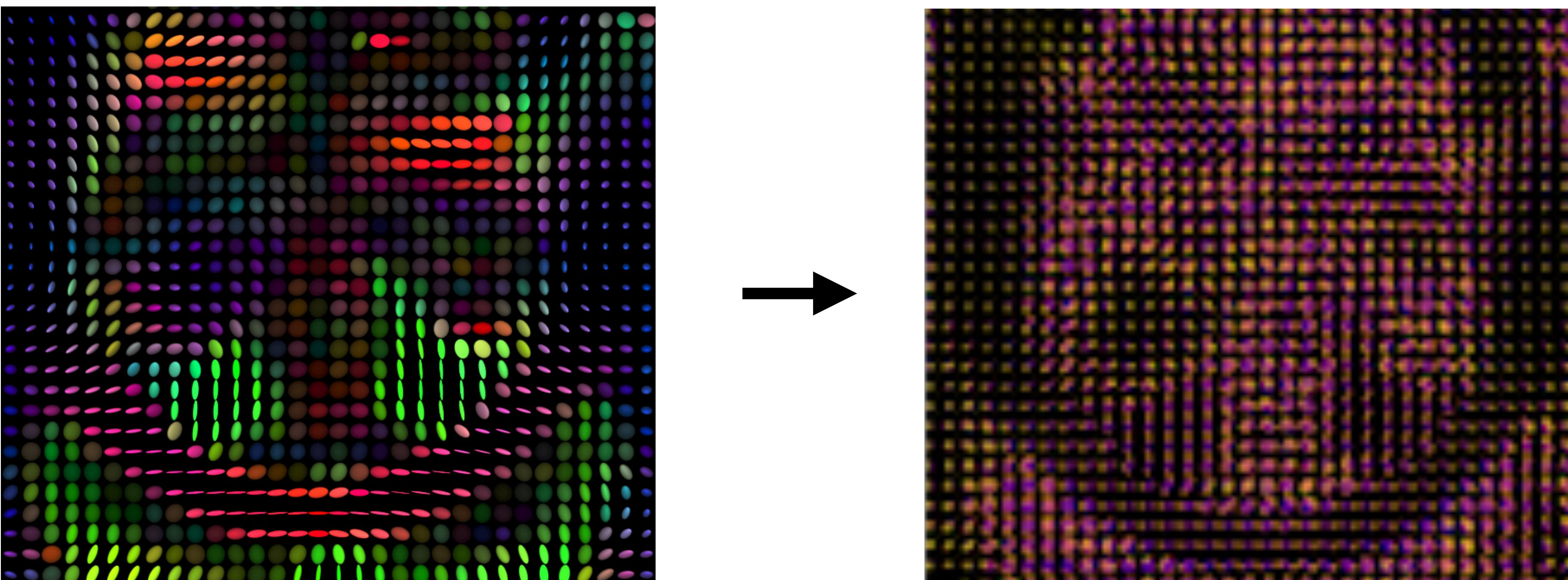
DTI



ODF

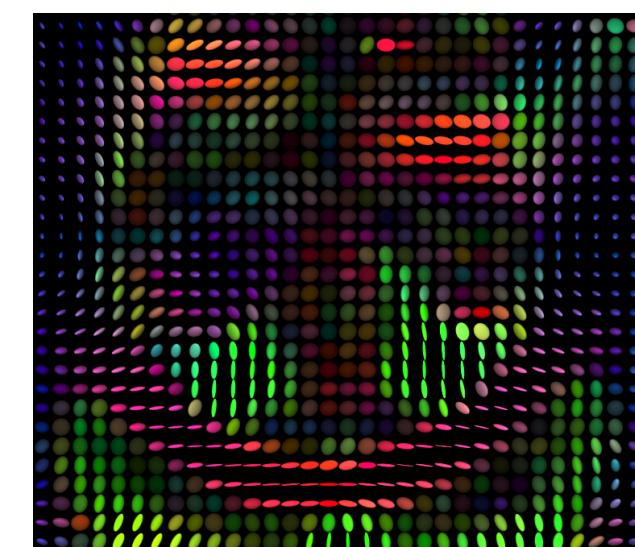


First attempt - Convolution

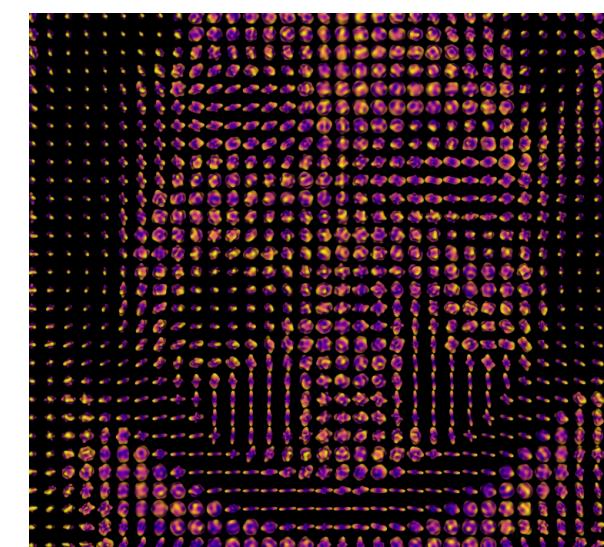
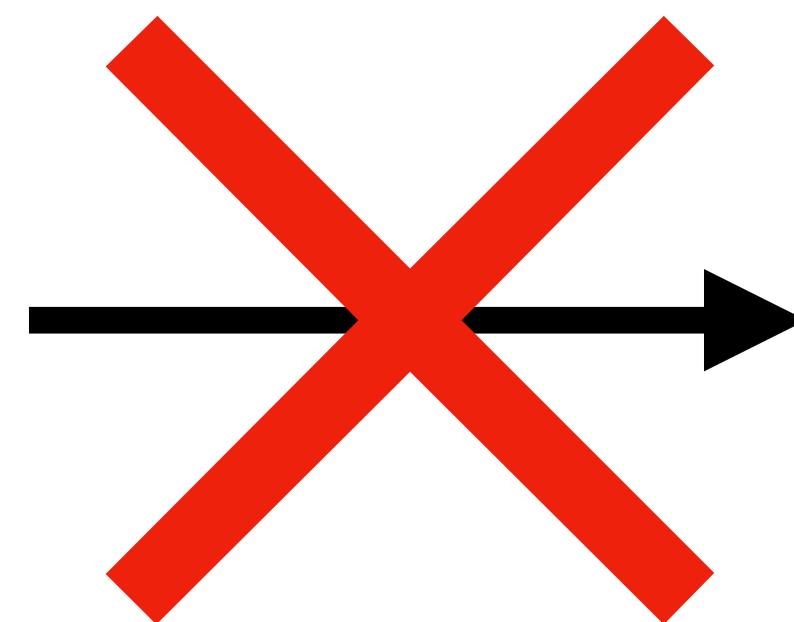




From DTI to ODF



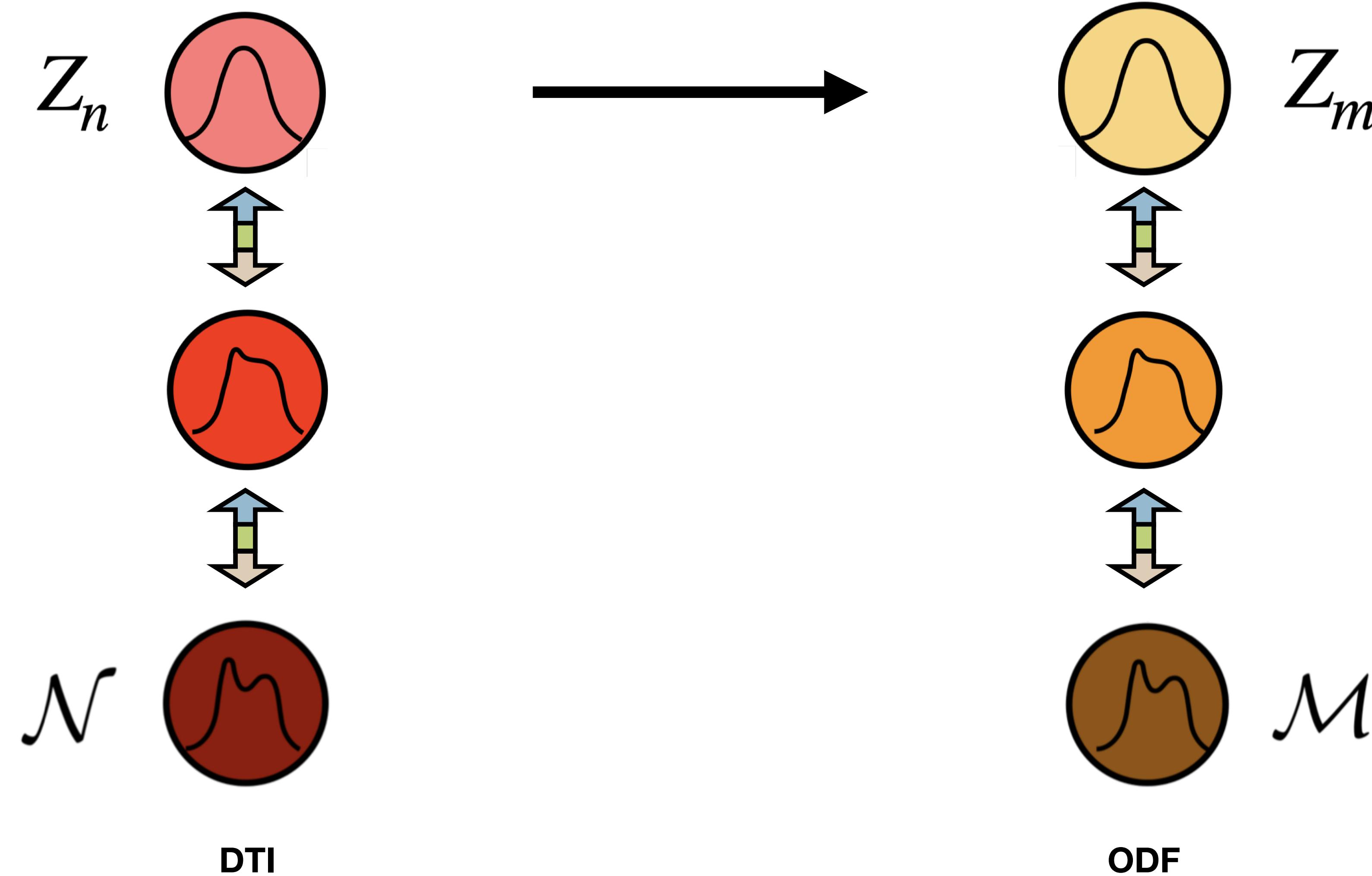
DTI



ODF

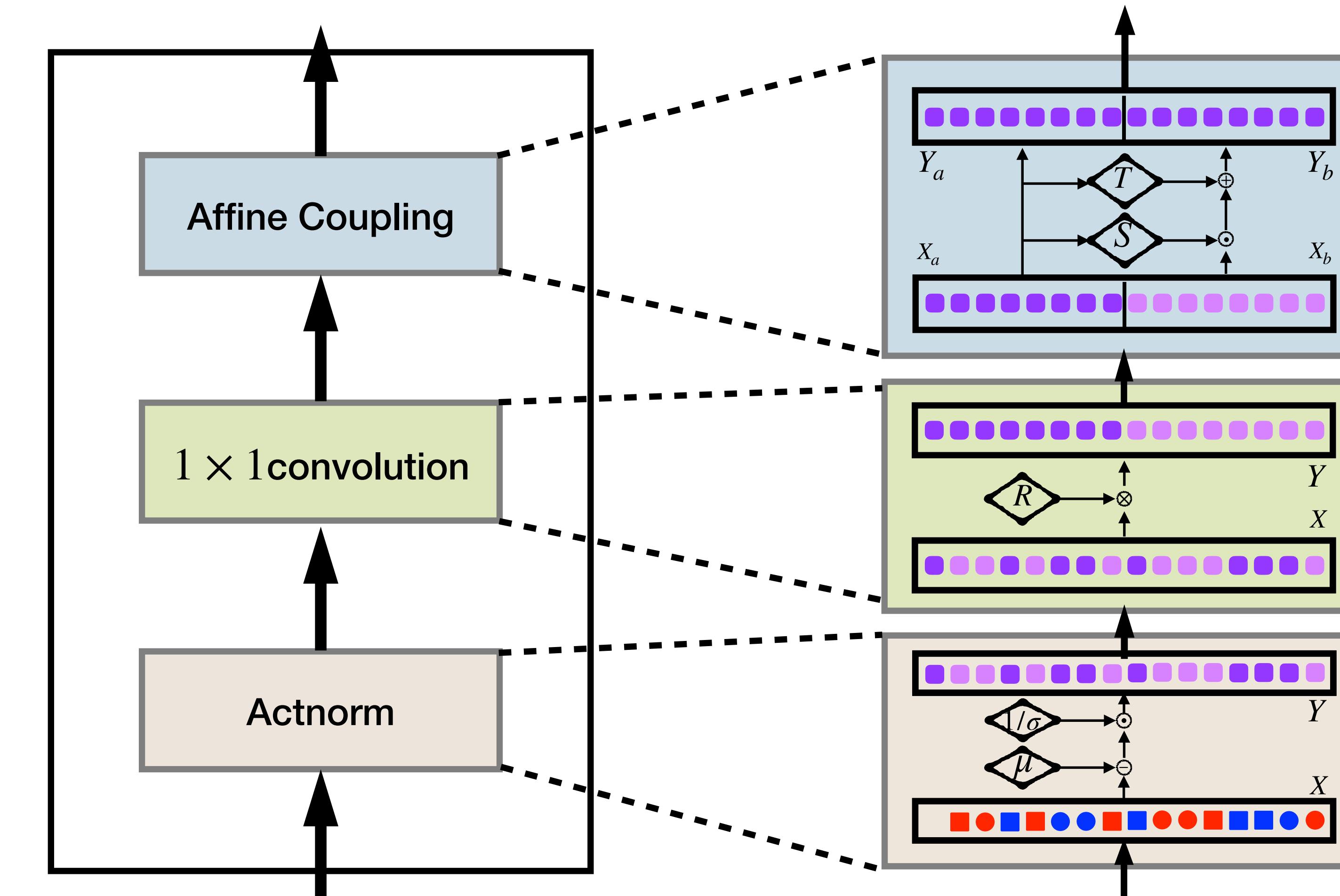


From DTI to ODF





Invertible generative model for Euclidean data





Invertible generative model for Manifold data

