(a) Direct Inverse Mapping

Response

Design

(b) Tandem Neural Network

Pretrained Forward Network

Response

Design

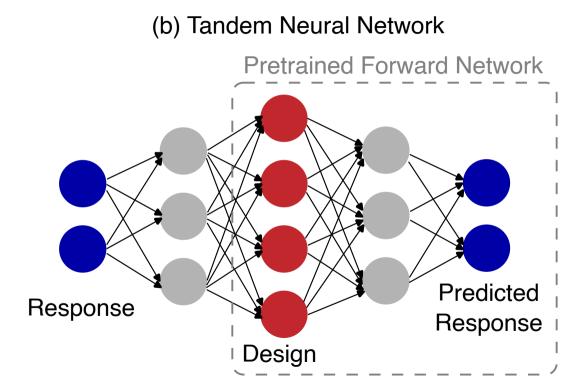Predicted Response

(c) Conditional Generative Model
(only showing generation network)

Response

Noise or
Latent
Variables

Design