**Input patch**

**Encoder**
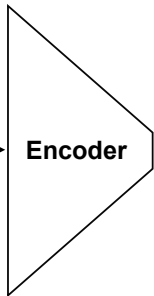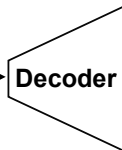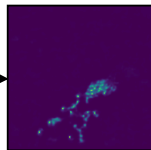
**Decoder**

**Localization map**

**Classification map**

2D convolution

ReLU activation

Sigmoid