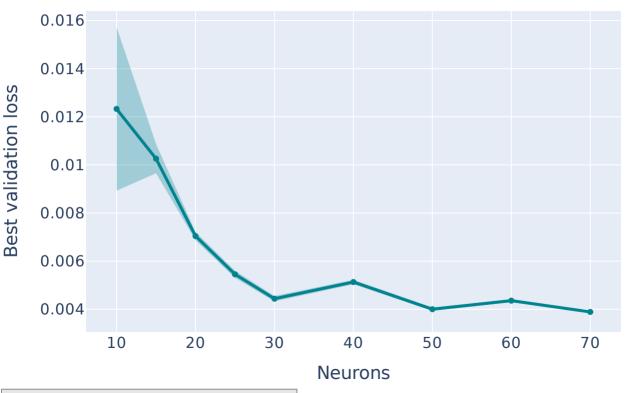Best validation loss for random networks of different sizes