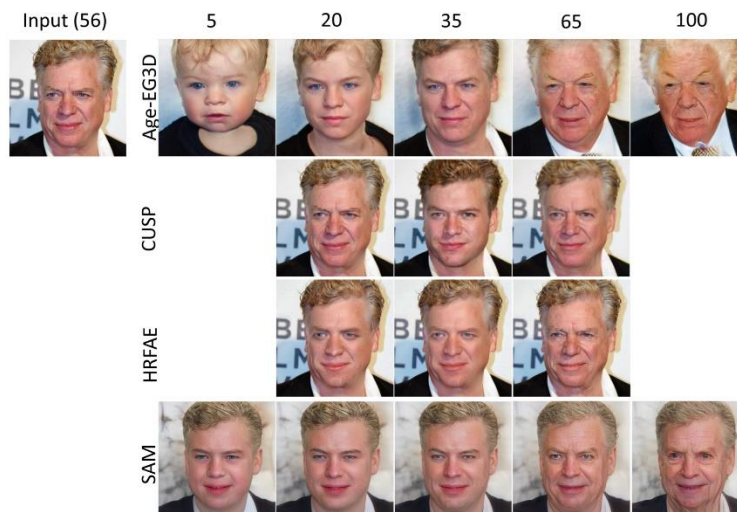# NTNU

Norwegian Biometrics Laboratory (NBL) is a distinguished research lab contributing actively to the biometrics research across Europe. NBL spans its expertise over physiological and behavioral biometrics including 2D & 3D face, iris, fingerprint, hand vein, gait, keystroke, gesture and mouse dynamics recognition.

Master Thesis
Face Ageing with Latent Diffusion Models

OBJECTIVES & GOALS:

Simulating the future appearance of an individual with deep generative models allows to estimate the impact of ageing on face recognition and potentially supports with finding long-term missing subjects. The goal of this project is to simulate face ageing with conditional diffusion models.

TASKS:

- Implementation of a diffusion model conditioned on age.
- Evaluate the accuracy and identity preservation of your proposed approach and compare it to related works.

PREREQUISITES:

- Interest in Deep Learning and Biometrics.
- Analytical and programming skills.

CONTACT:

- Marcel Grimmer (marceg@ntnu.no)

NOTE: Highly qualified foreign students can get financial support to cover cost of an internship.