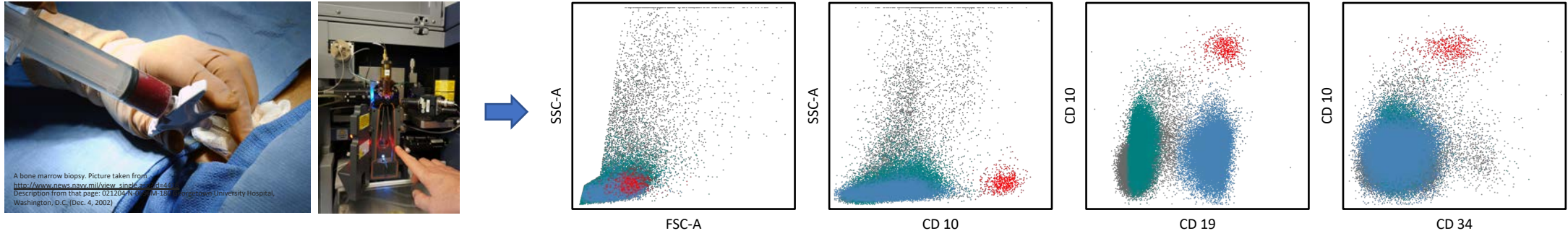
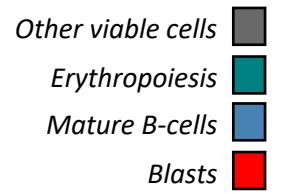


# We automatically identify B-ALL cells in flow cytometry data for MRD assessment.



Our standard approach:

1. Use manually assessed FCM samples for supervised learning
2. During classification: For an input sample determine coefficients on the Gaussian mixture manifold of stored samples according to a similarity measure
3. Use obtained reference model to assign all events according to a Bayesian decision

Goal of PhD thesis: Find a novel approach based on recent deep learning models suitable for more difficult type of FCM samples (AML).

