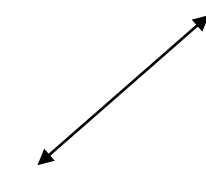
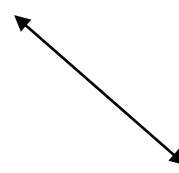
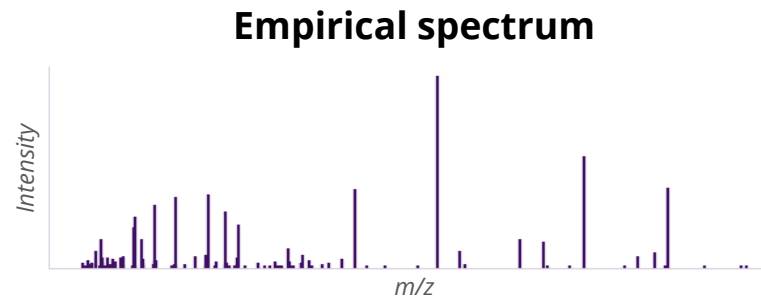
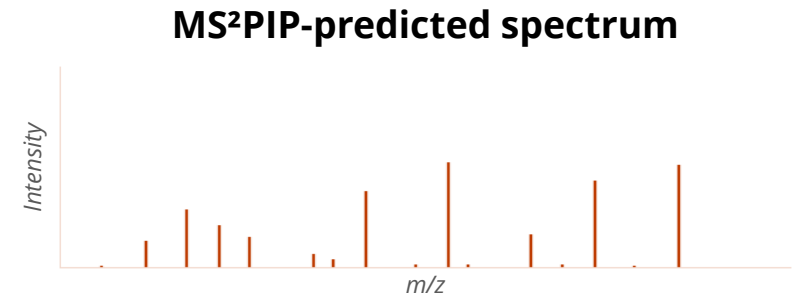
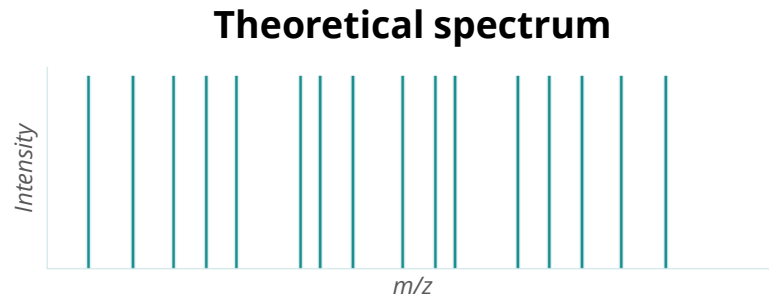
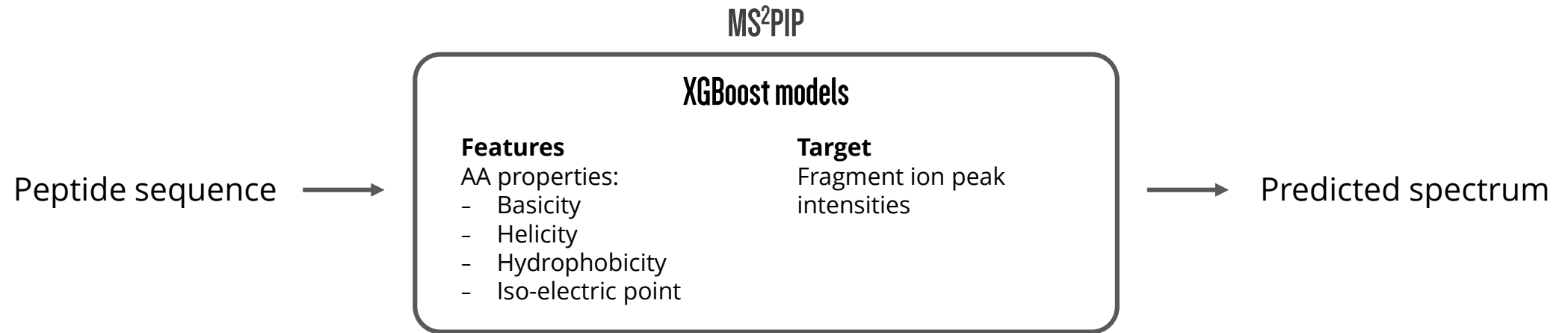


# Fast and accurate MS<sup>2</sup> peak intensity prediction for multiple fragmentation methods, instruments and labeling techniques

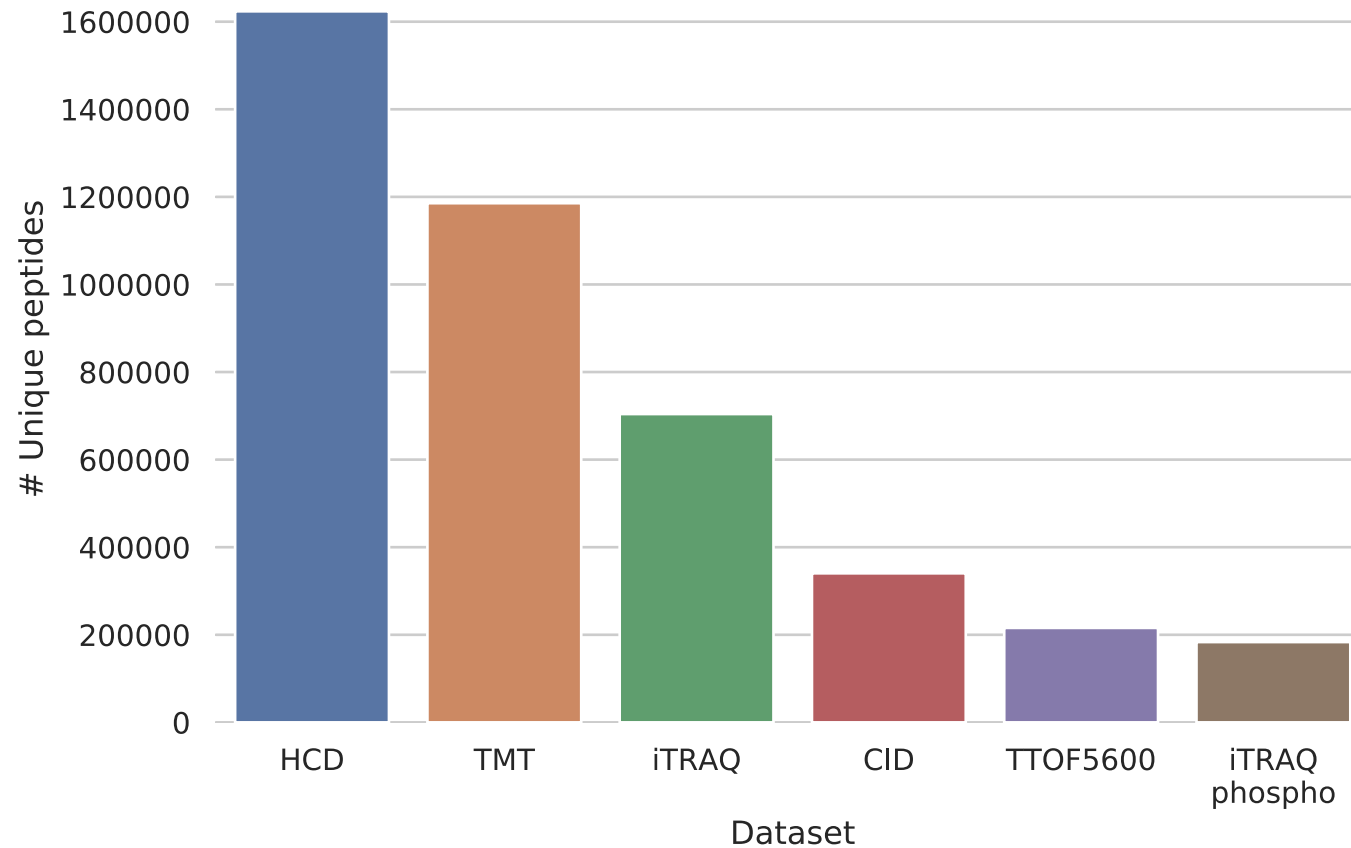
Ralf Gabriels

# MS<sup>2</sup>PIP: MS<sup>2</sup> Peak Intensity Prediction



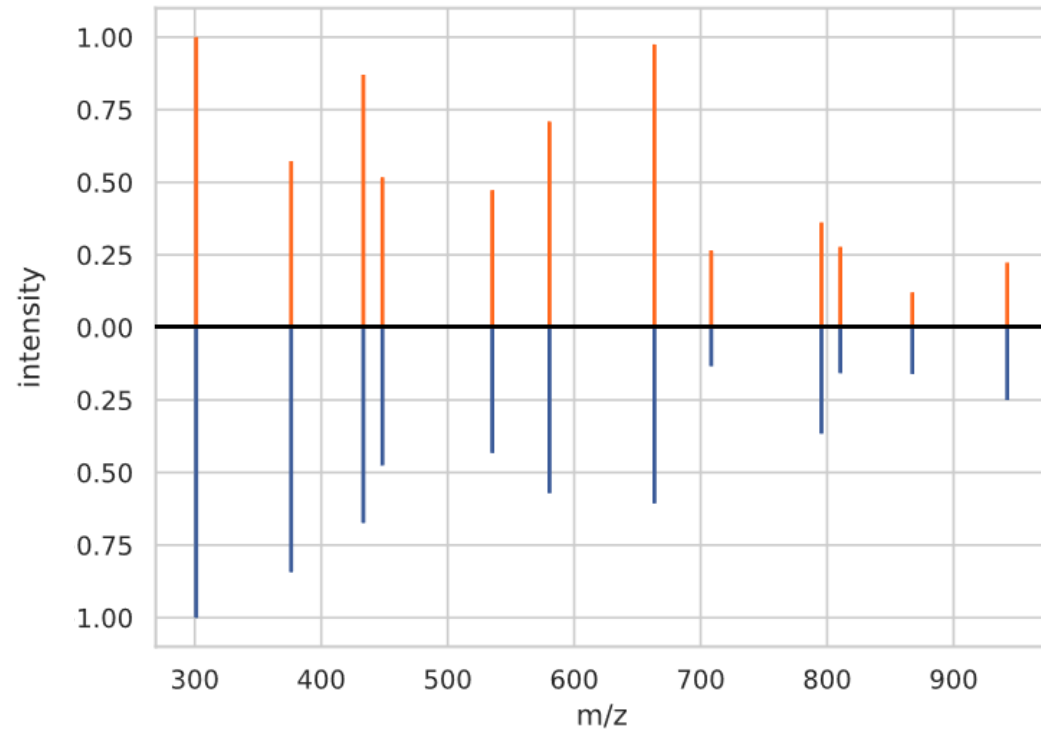


# We retrained MS<sup>2</sup>PIP for these specific cases using publicly available datasets



# Model performance is measured by calculating the Pearson correlations with empirical spectra

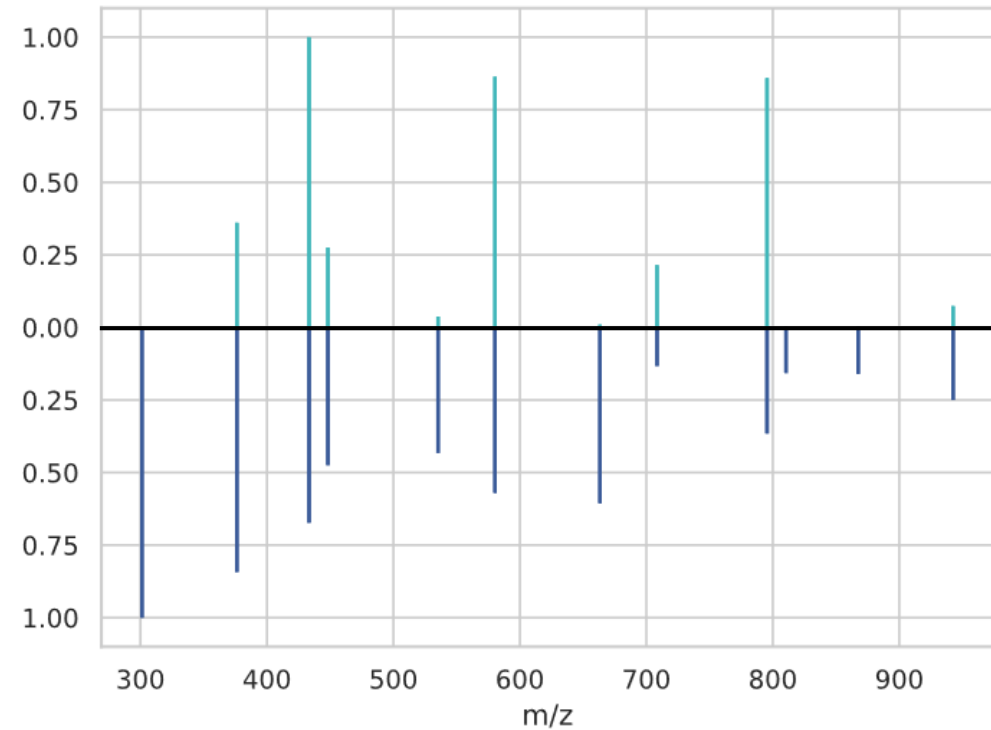
Prediction TMT model



Empirical TMT spectrum

→ Pearson correlation = 0.85

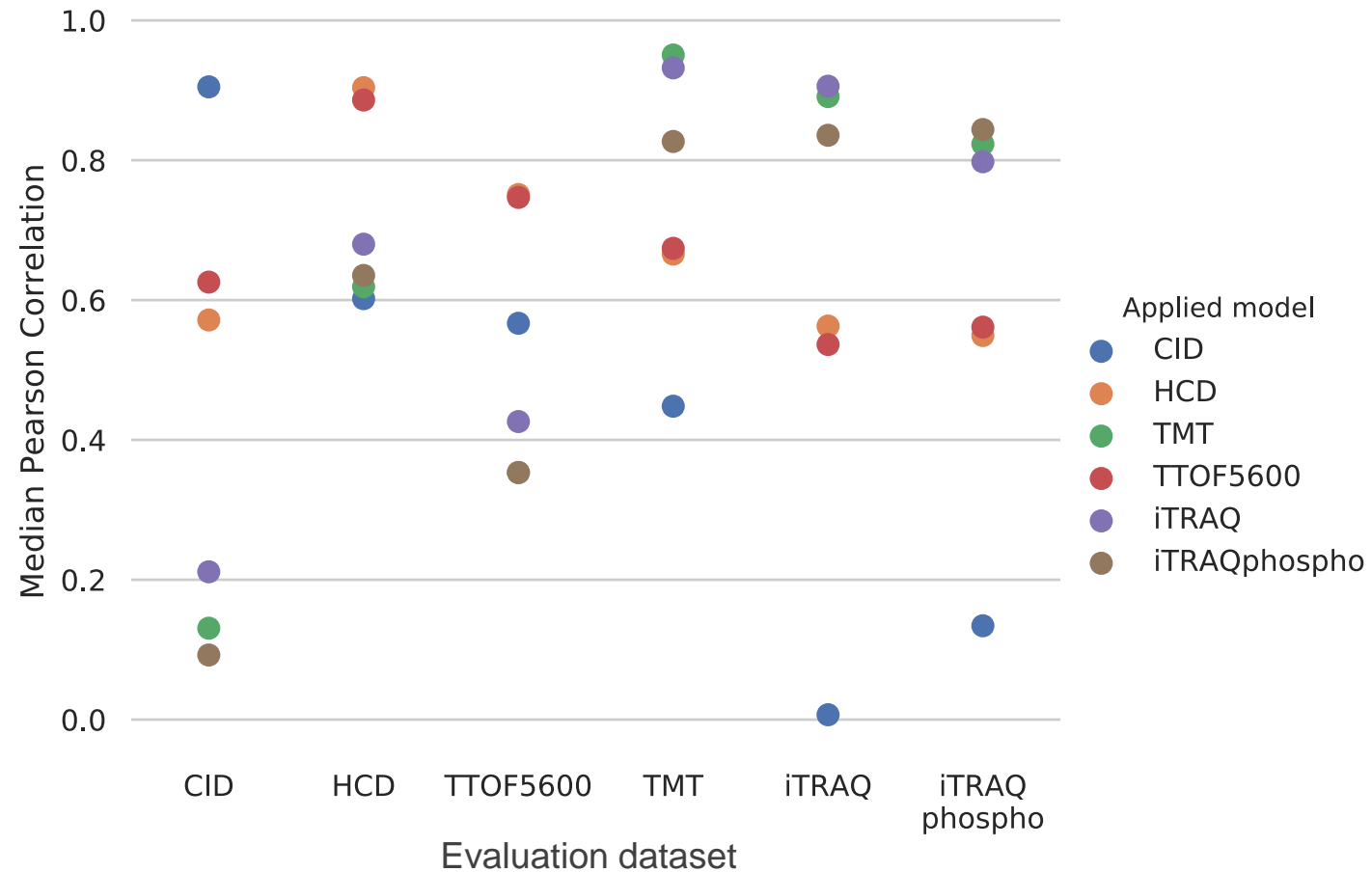
Prediction HCD model



Empirical TMT spectrum

→ Pearson correlation = 0.20

# As expected, training data-specific models substantially improves the predictions



# TRY OUT MS<sup>2</sup>PIP YOURSELF AT IOMICS.UGENT.BE/MS2PIP

