Training Report: LightAttentionFastKAN 0dd9e281-a0a6-4c53-8113-fb3a2449fa13

Best Epoch Performance Metrics

```
Summary of Metrics:
- Samples: 1678
- Loss: 0.792
- Accuracy: 80.214%
- Precision (PPV): 81.896%
- Recall (Sensitivity): 80.214%
- Specificity (TNR): 99.225%
- F1-Score: 79.978%
- ROC AUC: 94.531%
- PR AUC: 76.396%
- Performance: 82.898%
- Weighted: True
```
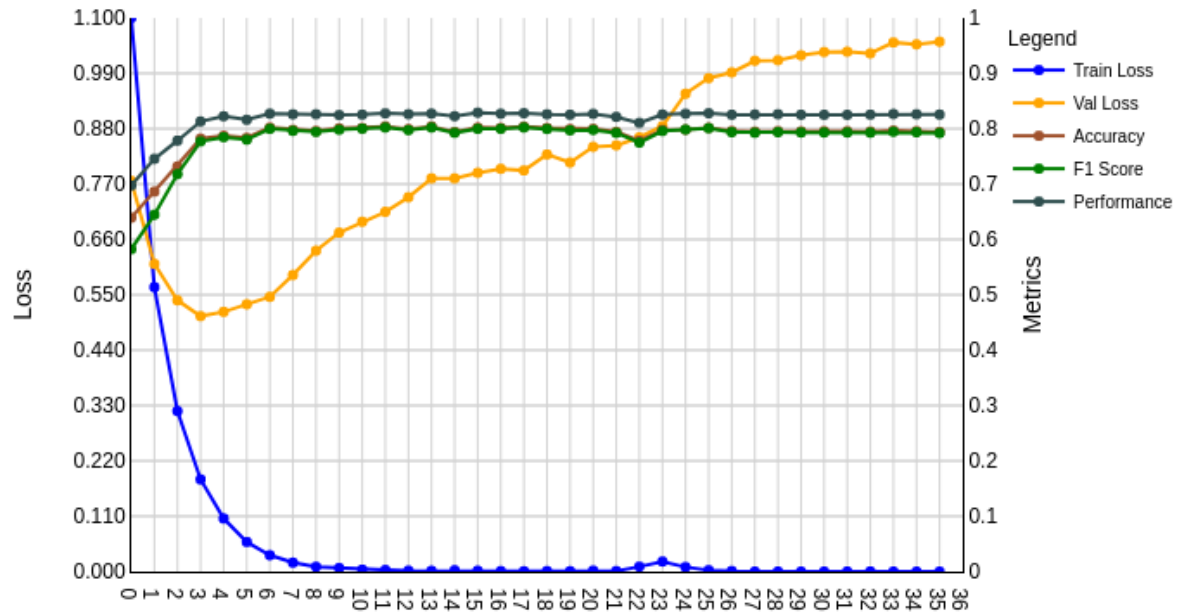
Model Configuration

```
- in_channels: 1024
- in_seq_len: 1023
- out_channels: 10
- kernel_size: 9
- conv_dropout_rate: 0.25
- hidden_layers: HiddenLayers(kind=Type.EXACT, value=[32])
- grid_diff: 1.5
- num_grids: 7
```
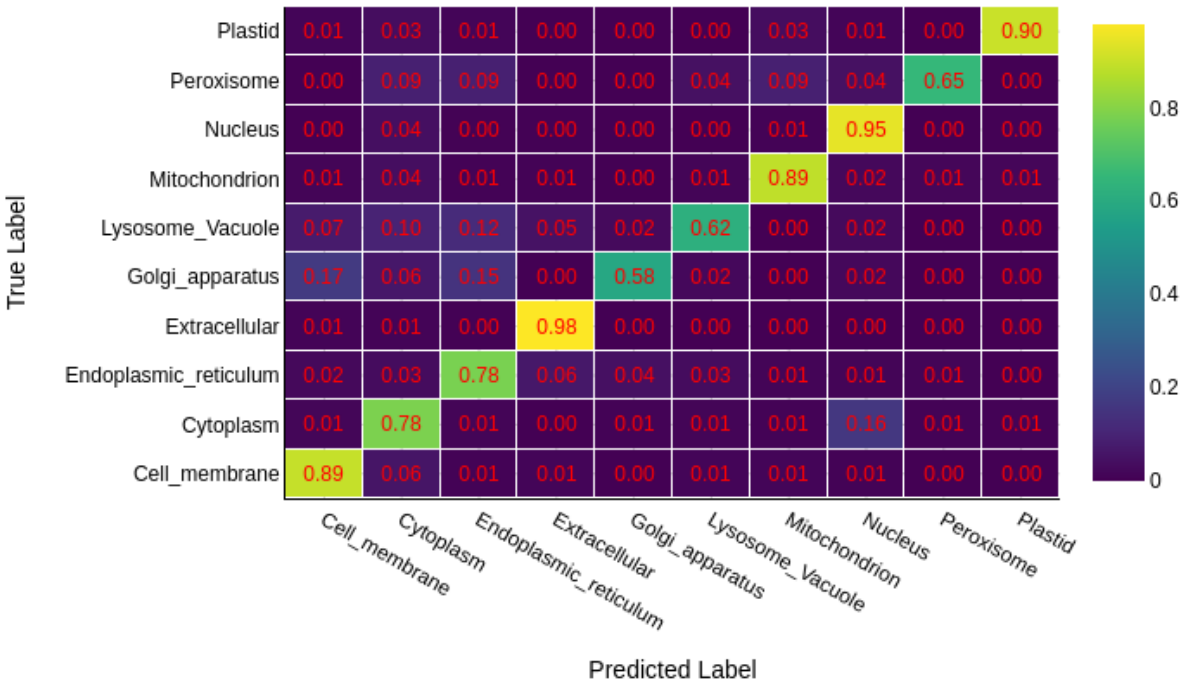
Memory Size:

```
73.782 MB
```
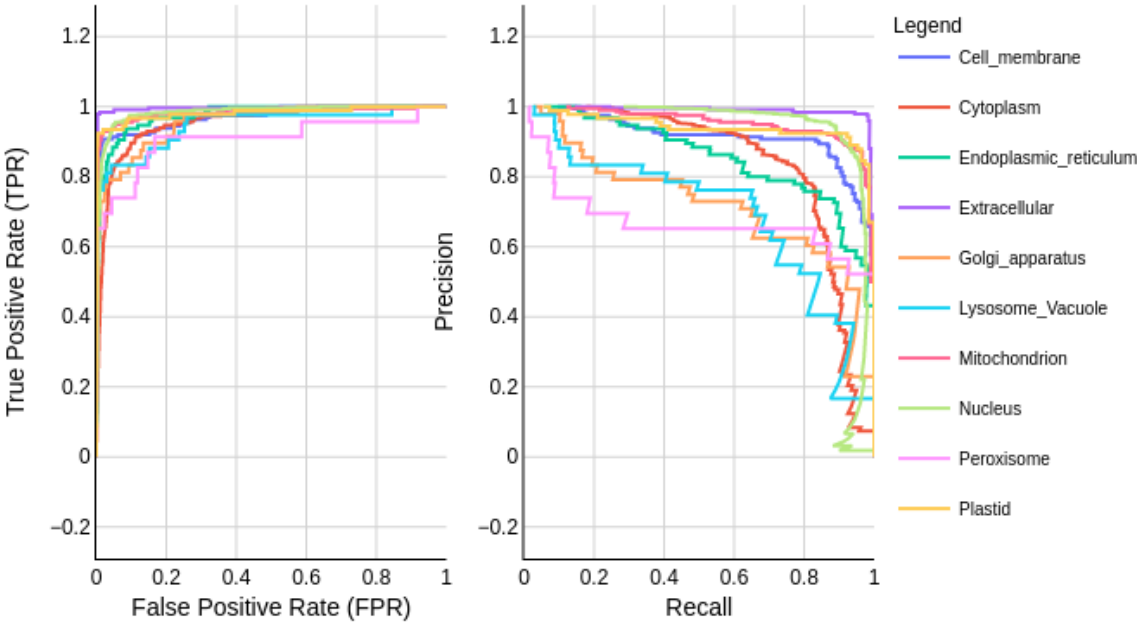
Figures & Visualizations

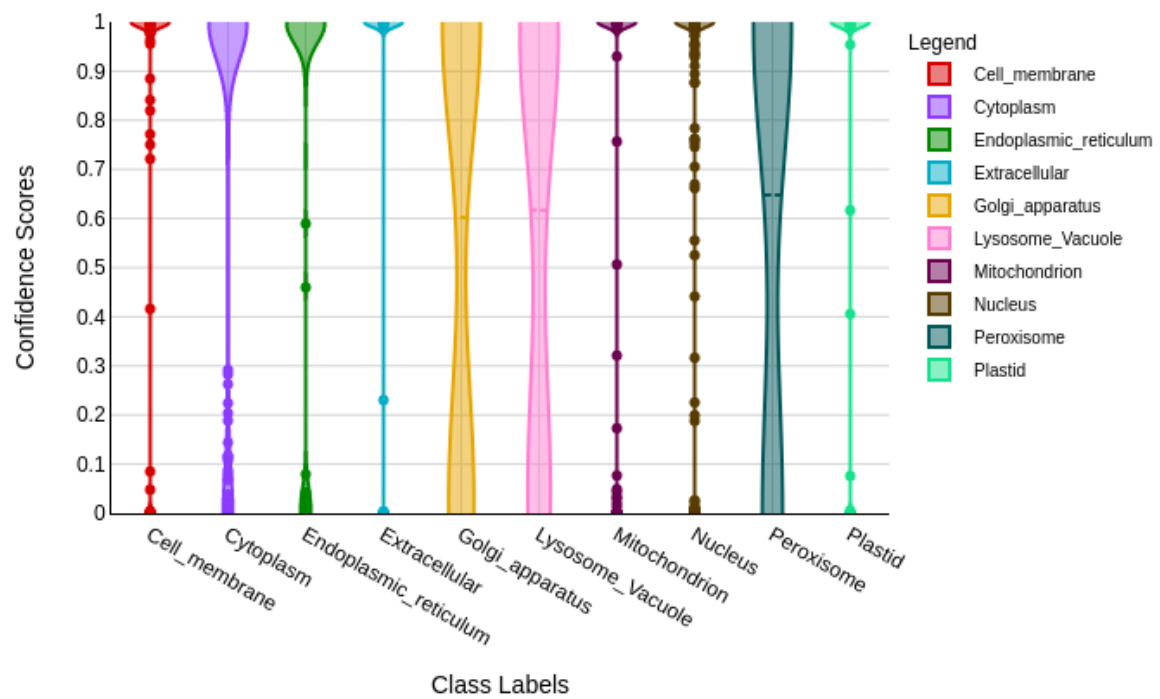TrainingLoss & TrainingPerformance (epoch: 35) | LightAttentionFastKAN

Confusion Matrix (LightAttentionFastKAN)

MultiFigure: ROCCurve | PRCurve

Prediction Confidence Distribution (LightAttentionFastKAN)

Final Evaluation Report: LightAttentionFastKAN (0dd9e281-a0a6-4c53-8113-fb3a2449fa13)
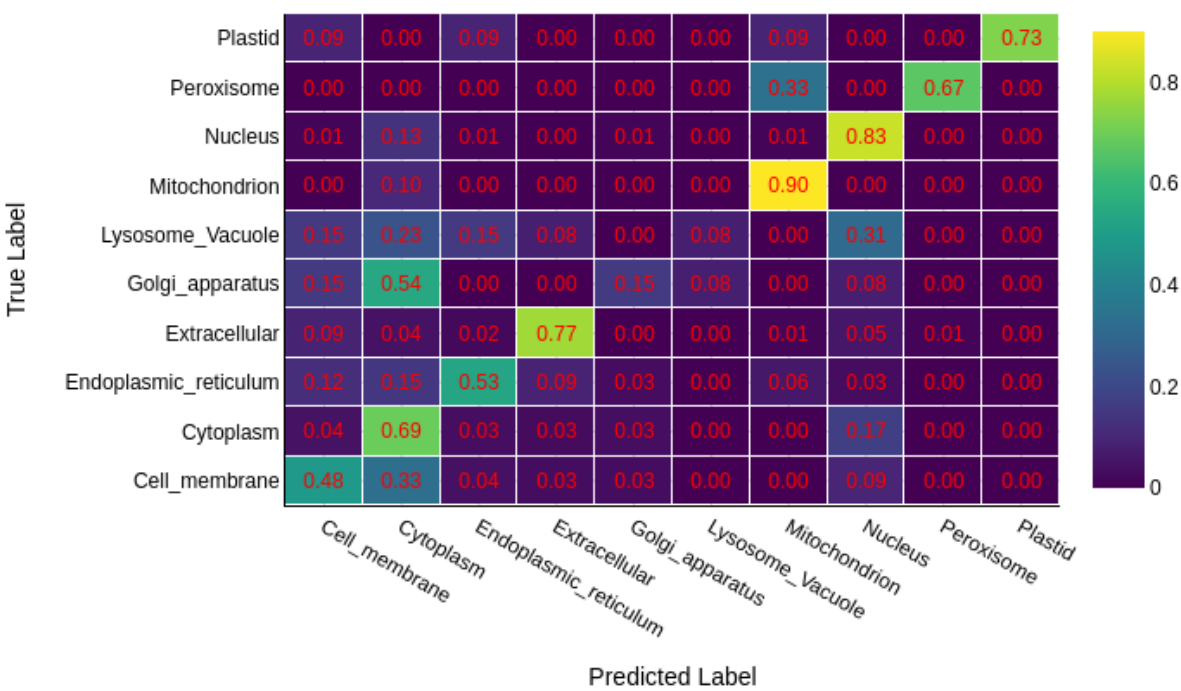
Test Set Performance

```
Summary of Metrics:
- Samples: 490
- Loss: 2.384
- Accuracy: 65.510%
- Precision (PPV): 62.859%
- Recall (Sensitivity): 58.260%
- Specificity (TNR): 95.734%
- F1-Score: 58.126%
- ROC AUC: 88.920%
- PR AUC: 61.843%
- Performance: 67.341%
- Weighted: False
```

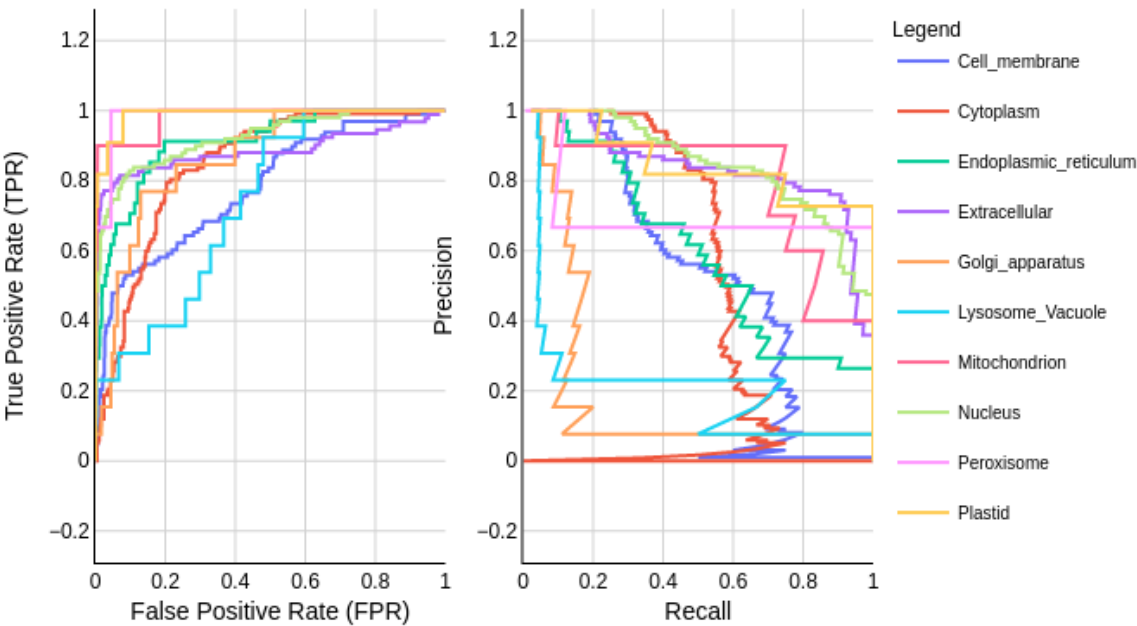## Test Set Performance (Sampled Statistics)

```
MetricsSampled Summary:
mean metric 95% confidence interval
Accuracy: 65.59 [65.50 - 65.68]
Sensitivity: 57.99 [57.78 - 58.21]
Specificity: 95.75 [95.73 - 95.76]
F1-Score: 56.92 [56.71 - 57.12]
```

Figures & Visualizations

Confusion Matrix (LightAttentionFastKAN)

MultiFigure: ROCCurve | PRCurve

Prediction Confidence Distribution (LightAttentionFastKAN)