

# Training Report:

## LightAttentionFastKAN

### 973a1bc8-c39d-473c-89f0-1ad2d7ab10f6

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#### Best Epoch Performance Metrics

```
Summary of Metrics:  
- Samples: 1678  
- Loss: 0.571  
- Accuracy: 80.710%  
- Precision (PPV): 83.187%  
- Recall (Sensitivity): 80.710%  
- Specificity (TNR): 99.345%  
- F1-Score: 80.747%  
- ROC AUC: 94.601%  
- PR AUC: 77.202%  
- Performance: 83.525%  
- 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: 1.0  
- num_grids: 10
```

#### Memory Size:

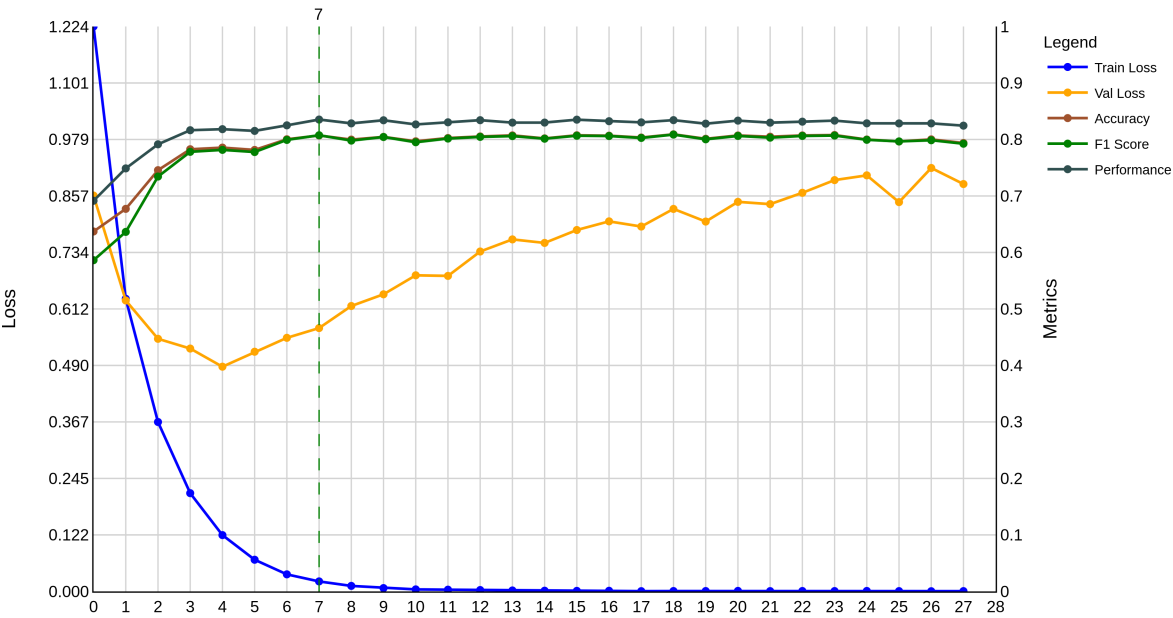
73.782 MB

#### Best Epoch

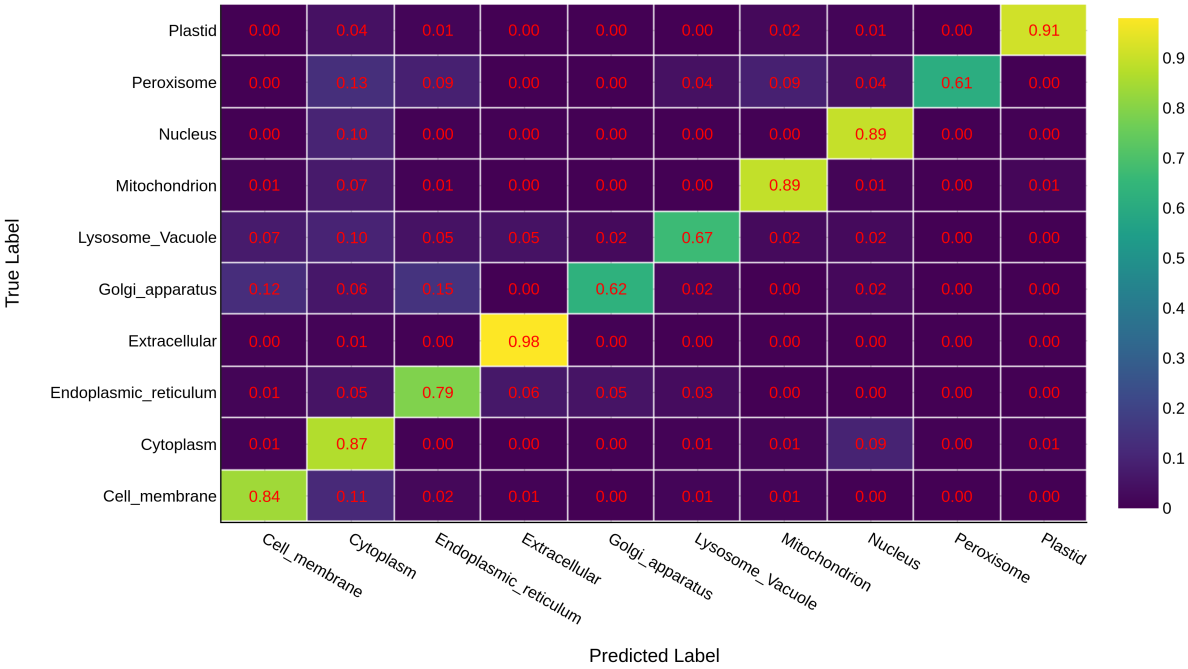
7

# Figures & Visualizations

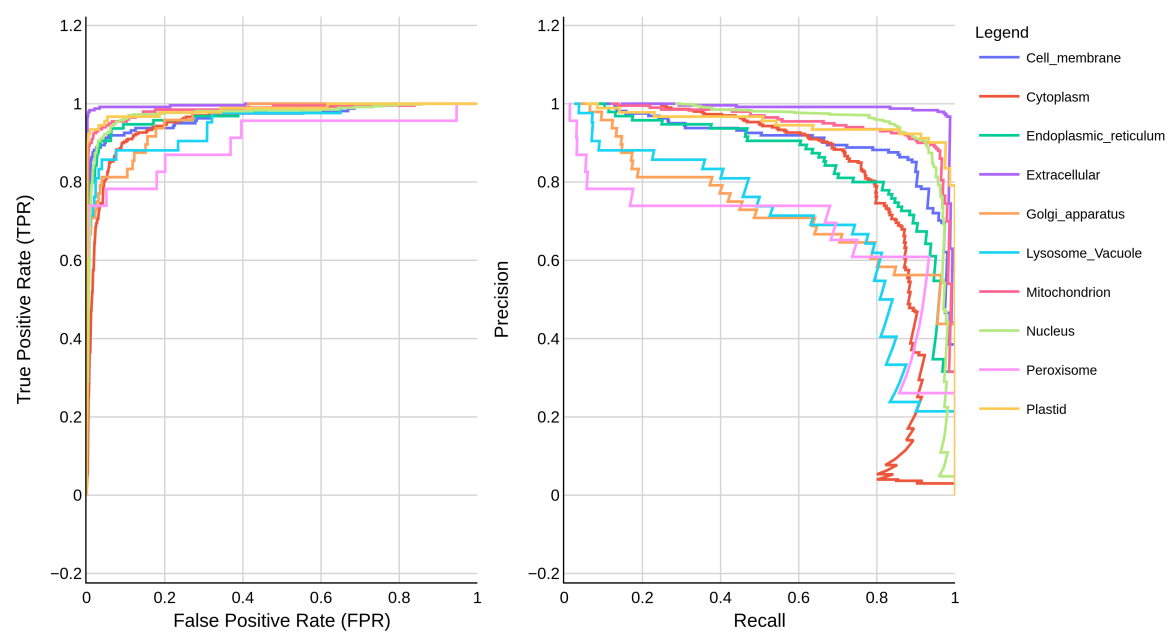
TrainingLoss & TrainingPerformance (epoch: 27) | LightAttentionFastKAN



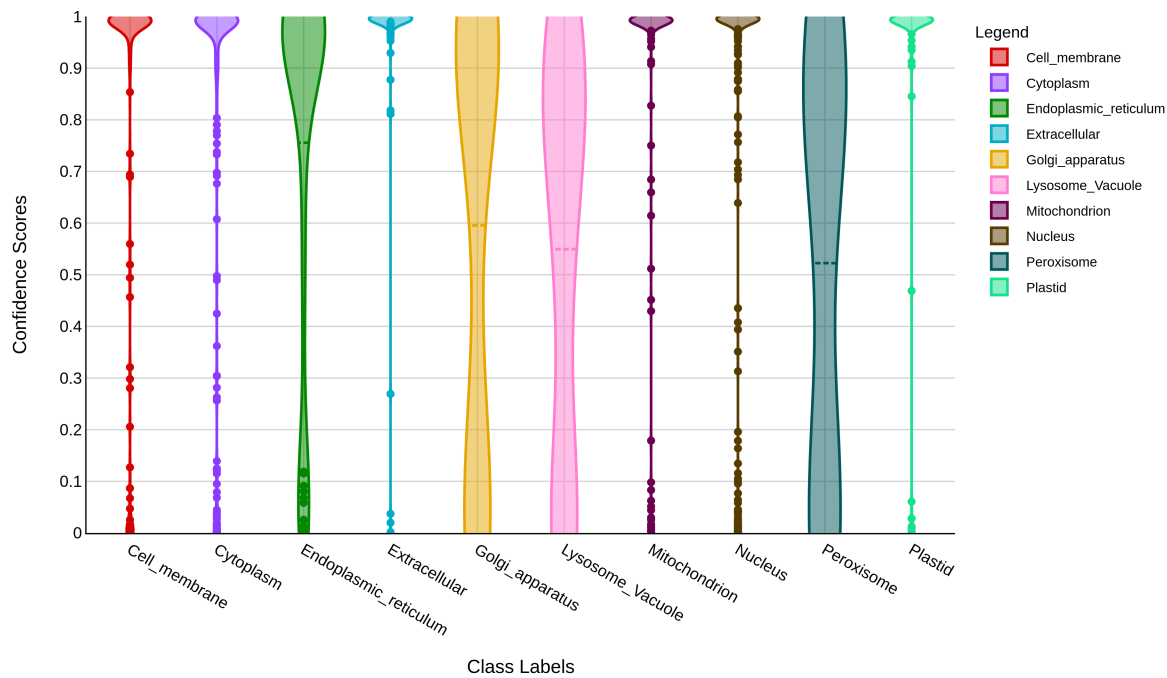
Confusion Matrix (LightAttentionFastKAN)



MultiFigure: ROCCurve | PRCurve



Prediction Confidence Distribution (LightAttentionFastKAN)



# Final Evaluation Report: LightAttentionFastKAN

## 973a1bc8-c39d-473c-89f0-1ad2d7ab10f6

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### Test Set Performance

Summary of Metrics:

- Samples: 490
- Loss: 1.698
- Accuracy: 66.122%
- Precision (PPV): 68.958%
- Recall (Sensitivity): 55.930%
- Specificity (TNR): 95.773%
- F1-Score: 58.065%
- ROC AUC: 88.341%
- PR AUC: 59.774%
- Performance: 67.425%
- Weighted: False

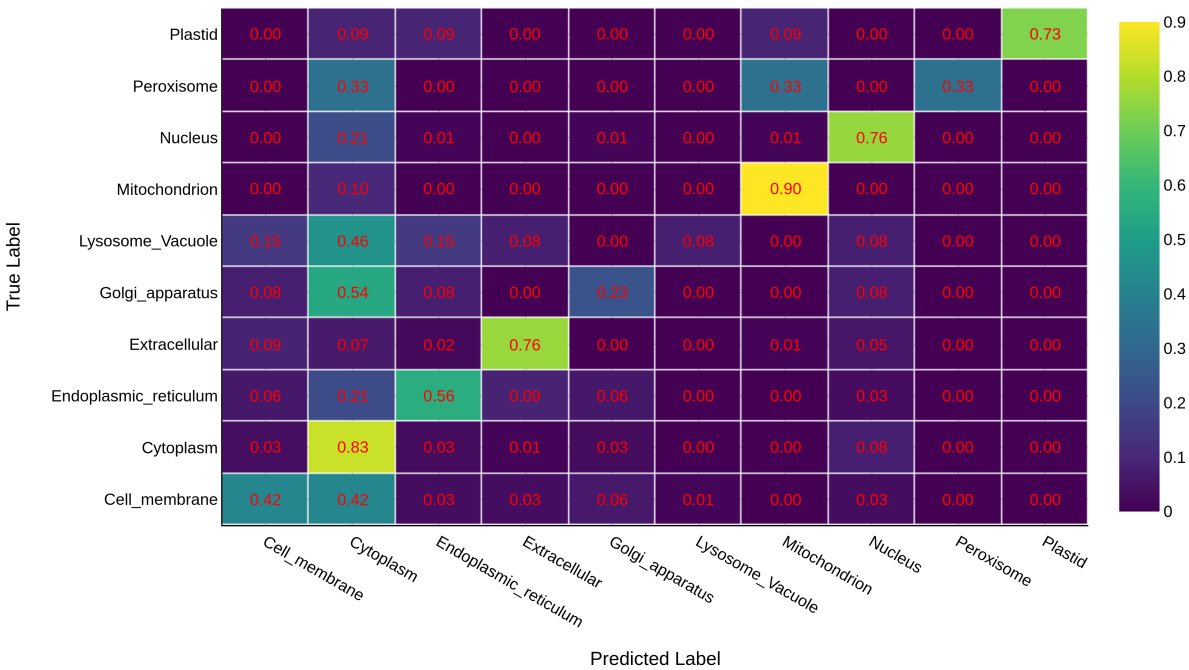
### Test Set Performance (Sampled Statistics)

MetricsSampled Summary:

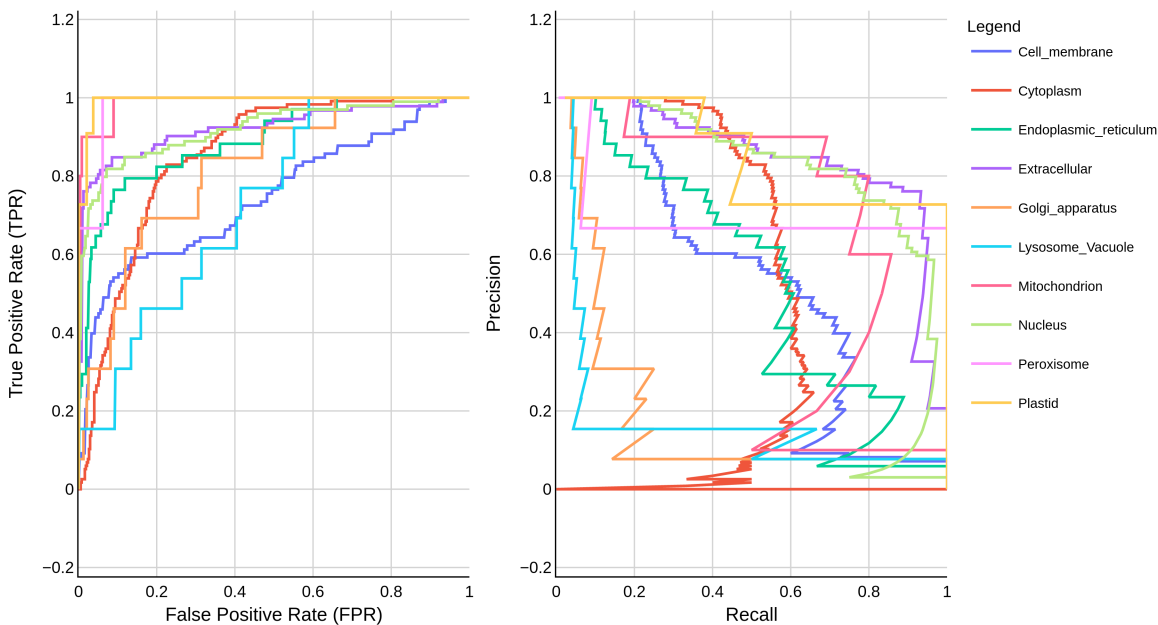
	mean	metric	95% confidence interval
Accuracy:	66.08		[65.98 - 66.18]
Sensitivity:	56.32		[56.11 - 56.53]
Specificity:	95.77		[95.76 - 95.79]
F1-Score:	56.98		[56.76 - 57.21]

# Figures & Visualizations

Confusion Matrix (LightAttentionFastKAN)



MultiFigure: ROCCurve | PRCurve



Prediction Confidence Distribution (LightAttentionFastKAN)

