1. Discussion

- Framework
- Automatic, comparability

1.1 Accuracy of cell contact detection

- Detection based on duration of proximity (not consideration of cell shape)
- Allows simultaneous contact of one T cell to multiple tumour cells

1.2 Evaluating computation time

1.3 Comparison to available tools

1.4 Biological interpretation

2. Conclusion

In this thesis, we set up a framework for an automatic detection of cell-cell contacts in live cell imaging films. This enables a quantitative analysis of dynamic cell data. The framework relies on previous segmentation and tracking of cells using well-established open-source tools. If the segmentation and tracking is accurate, the cell-cell contact detection based on the duration of cell proximity proved to be