

Acknowledgments

First, I would like to thank Prof. Dr. Randolph Menzel for giving me the opportunity to work at the institute of neurobiology, within a very interesting and international team, and to perform my PhD thesis.

My special great thanks I would like to address to Prof. Dr. Uli Müller, for his permanent help during my work and for his readiness and willingness to discuss all the problems and new ideas.

I also thank Dr. Ulf Thomas, Dr. Anke Friedrich and Katrin Voß for their scientific discussions, introduction to the lab and help with organization matter at the first weeks when I came to Berlin.

Gabriele Haberberger and Heike Vogelsang I thank for technical support.

I would also like to sincerely thank Dr. Fernando Lokatelli for his scientific consulting.

For the good climate in the lab I thank Adam Filip and Gesine Bundrock.

I thank Tilo Schwalger for his great help in overcoming some computer problems.

Kathryn Oliver from London I thank for helpful suggestions on this manuscript.

And, last but not least, I thank all the people at the institute for the good working atmosphere.

This work was supported by DFG GK-120 "*Signalketten in lebenden Systemen*"