Acknowledgments
This work would never be possible if Dr. René Rossi would not put a great trust in to me. With being accepted as a PhD student, we both knew I was not only given an opportunity to work as a researcher, but also an opportunity to build up a private life. I truly hope I justified this great trust of yours. Furthermore, I greatly appreciate that you always took the time to share your valuable knowledge on managing. The time is showing me how much I learned from you, thank you for every bit of it as it is truly a treasure.

I am grateful to Prof. Dr. Hein AM Daanen for accepting me to be your PhD student. We both knew that due to the distance it will not be an easy task. I hope that this work shows it worked out. I very much appreciate your flexibility and unselfish way of sharing knowledge and experiences as they were crucial to me. Furthermore, thank you for your patience and great help when finishing this work.

The person that undoubtedly most experienced my days of joy, but also “I want to give up moments” is my husband and co-worker Dr. Cornelis Peter Bogerd. Niels, I know I was not always the easiest co-worker and far from the easiest wife. Finding the right balance between the work and personal life was not always the easiest task for me. However, love, respect and patience gave us strengths to succeed. My love thank you for everything you did to help realizing my dreams.

My dear son Neo Svit, when I realized you are with me, my life took another turn, a most beautiful turn you can imagine. I was writing this work when your heart started to beat under mine. Hand on my growing belly and the idea you are with me lifted my spirits over and over again. My little angel, grow healthy that I will be soon able to tell you all about it.

Dr. Claudio Perret, although some of our work unfortunately did not end up being presented here, you played a crucial part in most projects I worked on. I loved every aspect of working with you. I very much appreciate your willingness to share your knowledge and lab/field experiences. I truly hope that our ways met again, and that there will be opportunity to work together again on to us so dear topic of exercise performance in spinal cord injured individuals.

I would like to express gratitude to the students I supervised, Philippe Allenspach, Oliver Schätli and Nina Cvetek. Your help during measurements is most appreciated. Furthermore, thank you for the opportunity to learn from you.

My work at EMPA St.Gallen, Department of Protection and Physiology was made easier and enjoyable since valuable help was provided by Dr. Agnes Psikuta, Markus Weder, Martin Camenzid, Rolf Stämfli, Raduolf Bivetti, Benno Wüst, Dr. Markus Rothmaier, Roman Huber, Urs Bünter and Marianne Walther. Furthermore, Yvonne Metzger thanks for many relaxing chats.

There are many more who induced and strengthen the wish to become a scientist and a lecturer, who influenced my decisions, who shaped me through the years. I was not inspired only by professors, students, colleagues but also by friends and acquaintances – thank you all for coming on my way.