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## **Dynamics and regulation at the tip : a high resolution view on microtubule assembly**

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### **Citation**

Munteanu, L. (2008, June 24). *Dynamics and regulation at the tip : a high resolution view on microtubule assembly*. Bio-Assembly and Organization / FOM Institute for Atomic and Molecular Physics (AMOLF), Faculty of Science, Leiden University. Retrieved from <https://hdl.handle.net/1887/12979>

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**Note:** To cite this publication please use the final published version (if applicable).

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## Acknowledgements

My journey started almost 30 years ago and during this time I had the fortune to meet and interact with many inspiring and supportive people. They taught me a lot and are still doing it. I am grateful to each of you, who influenced my path in life and in science.

One of the people that inspired me early on was my high-school physics teacher, Gheorghe Burghilea. I would like to thank him, in memoriam, for giving me the credit of an equal when solving problems or discussing physics. Many thanks to my informatics teacher, Cătălin Tănase, who always believed in my potential. I would also like to acknowledge here the many mathematics teachers and olympiad fellows who inspired me and infected me with the love for solving problems and for logical reasoning.

During the first university years, I learned from Dumitru Luca that estimating experimental errors is as important as measuring the data. He also encouraged me to undertake my own research projects. Gheorghe Singurel introduced me to lasers and mentioned the potential of optical tweezers. I would like to thank him and the group of Kirstine Berg-Sørensen and Lene Oddershede for offering me the opportunity to actually work with optical tweezers at the Niels Bohr Institute in Copenhagen. It was truly great to be in such a place full of history. There, Iva Maria Tolic-Nørrelykke introduced me to 'real' experimental research. Thank you Iva, working with you was an unforgettable and fruitful experience.

With this starting base I came at AMOLF to the group of Marileen Dogterom. The Dogterom group felt like a big family and help was always at hand. Special thanks to Jacob Kerssemakers with whom I really enjoyed working. Your knowledge on optical tweezers and microtubules was indispensable. I will not forget your witty and sharp humor when things were not working and the sincere enthusiasm when the first results on the XMAP215 appeared on the monitor. I am really honored that, now, you will be at my side as *paranimf*. I owe many thanks to Guillaume who taught me how to grow dynamic microtubules, Gerbrand who was patient to show me several times how to measure a power spectrum, and Astrid who made laser alignment look like an easy task. Successful experiments always involve learning from our own mistakes, but the success is faster when trials are supplemented with good advice. I would like to thank all the present and past group members for all the ideas born during group meetings, in the lab or at the coffee corner. I am grateful to the above mentioned and, further, to Christian, Gertjan, Julien, Liedewij, Paige, Svenja, Nienke, Tatiana, Martijn, Marco C-L,

Andrea, and especially Marileen. Christian, I would like to thank you for our scientific and non-scientific discussions. I learned a great deal from them. Thank you for carefully reading the Mal3 chapter. And finally, thank you for getting me into climbing (I will come back to that). Liedewij, we had a lot of great moments anxiously watching the monitor in the confocal room. Although our ideas on the next best experiment were not always the same, often our stubbornness led to the right experiment. Julien, what a great cover! Thank you for cheering up the atmosphere in the basement with jazzy French music. Svenja, thank you for the comments on the Mal3 chapter. Paige, it is great to have you around in the lab. Thank you for sharing your kinesin and for correcting the introduction. Thanks also for taking care of my looks and for being a good friend.

The great thing about AMOLF is the multidisciplinary environment it offers. I also took advantage of it and I would like to thank a couple of people from other groups. Special thanks to Sander Tans and Thomas Kalkbrenner whose expertise on FCS allowed me to perform new and interesting experiments. Thomas, working with you was really instructive. Thank you for your clear explanations and your meticulous and organized way of dealing with experiments. I totally enjoyed it. Rimco, it was insightful to see how mass spectrometry works and what are the limitations when measuring native proteins. Suckjoon, experimenting with nucleoids was quite fun. Sorin, your endless knowledge on mathematics and noise was useful for me too. Thank you for making calculations look so simple and clear. I always enjoy talking to you about anything from science to life in a foreign place and in Romania. Rosalind, Kostya, Sanne, Simon, and Rhoda, your theoretical background gave me new perspectives on microtubules.

My work involved several collaborations outside AMOLF. I would like to thank Tim Noetzel, Kazuhisa Kinoshita and Tony Hyman for kindly providing us with the XMAP215 protein. Tim, thank you also for our discussions and for answering my numerous questions about XMAP215. Matthew Footer was so kind to purify several times axonemes for us and ship them to Amsterdam all the way from the Californian coast. I will not forget your advice on time planning of an experiment: the real time an experiment takes is double the initial estimation, but on the next time scale. The collaboration with the groups of Thomas Surrey and Damian Brunner was very successful. Such a big collaboration was a great opportunity for me to learn about new scientific areas and how to work in a big team. I would like to thank all the people in both groups for kindly sharing the yeast +TIPs with us. I would like to acknowledge Peter, discussing with you was always insightful, and Linda, I owe you thanks not only for all the information on Mal3, but also for the time spent with me imaging microtubules and axonemes using the cryo-EM. Many thanks to the groups of Anna Akhmanova and Michel Steinmetz that shared knowledge and EB proteins with us. I would like to especially thank Susana and Shrini for discussions and for purifying and labeling the proteins. Susana, I enjoyed a lot the time we spent together experimenting or talking during a nice dinner.

The little things that happen every day in the lab or outside are often forgotten, but

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those little things have a great impact on a researcher's work. Therefore I would like to thank all the lab buddies that were always open for helping or sharing their tricks. Daan, Jerien and Aileen, thank you for giving up time on the ImageToolbox when I need it for my analysis. Many thanks for everybody from the technical support, design department, workshop, E&I, magazijn, library, and reception. Special thanks to Henk for keeping the microscope heating control alive, Duncan for developing electronics, and Marco K, Johan, Niels, Hans and Marco S for the many programs we needed to control the trap and analyze our data. I would like to also mention the people from the administration and human resource departments. Thanks to them I could spend more of my time on experiments and less on worrying about bank accounts, health insurance, residency and so on.

Siebe and Siri, thank you for your company and music, especially during the late nights of thesis writing. Siri's enchanting clarinet tunes made the deserted AMOLF a surreal place. Thank you for those great moments. I would like to thank Ana, Sanne, Marco M, Behnaz, Maria, Ioana and my office mates who were patient to listen to my plans and worries on writing during these last few months. Ana, thank you for the help with my text. Not only colleagues, but also my good old friends lent me their ears and supported me. Special thanks to my good friend and paranimf Ramona, your words and jokes made me laugh so often when I was stressed and your advice was always wise. Thank you.

And then, there is the climbing. A true passion. Not only I discovered that action on 'la verticale' makes me totally relaxed, but I also learned a great deal about how to manage long term goals. It might not be obvious, but the way to a Doctor degree is similar to the way to the top of a difficult climb. It requires determination, patience, technique, endurance and you never stop learning. Therefore I would like to thank all the climbers that taught me something and held the other end of the rope, and especially you, my dear climbing friends Christian, Paige, Elena, Bebas, Maria, Bas, Iza, and Lacramioara.

My final words are for the most special people in my life. First, my parents Elena and Emil, my sister Cristina and my grandma Moni. Vă mulțumesc pentru suportul și încrederea acordată 'micului geniu'. Niciodată nu ați pus la îndoială reușita în ceea ce fac. And Frank! Thank you for so many great, fun and lovely moments. Thank you for listening and supporting me. I greatly value your sharp, but kind social sense and your point of view often helped me to better manage the multiple situations I encountered during my research. Your humor is equally sharp and I totally enjoy our duels and recurring gags. No need to mention my appreciation for your help with the thesis, correcting parts of it and translating the samenvatting. And finally, I am definitely looking forward to our adventures in the States.

LAURA MUNTEANU  
Amsterdam, May 2008



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## Curriculum vitae

Emilia Laura Munteanu was born in Comănești, Romania on December 8<sup>th</sup>, 1978. From 1993 to 1997 she attended the theoretical high-school 'Spiru-Haret' in Moinești. Subsequently, she studied Biophysics / Medical Physics at 'Alexandru Ioan Cuza' University in Iași. For her undergraduate project she worked on Monte Carlo numerical simulations to model light propagation in biological media under the supervision of Prof. dr. Gheorghe Singurel. Starting September 2001, she pursued a Masters degree in Biophysics at the University of Copenhagen, Denmark through an Erasmus exchange program. Her Masters research focused on the intracytoplasmic micro-rheology of living fission yeast cells. This work was in collaboration with Dr. Iva Maria Tolic-Nørrelykke in the Optical Tweezers group of Prof. dr. Kirstine Berg-Sørensen and Prof. dr. Lene Oddershede at the 'Niels Bohr' Institute. After she obtained the Masters degree Cand. Scient. for Biophysics in 2003, she maintained the position of research assistant for two months with the same group. Since September 2003 she has been a Ph. D. candidate in the Bio-Assembly and Organization group at AMOLF under the supervision of Prof. dr. Marileen Dogterom. The results of her research are presented in this thesis.

