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## **In vitro investigation of the photoprotection mechanism of Light Harvesting Complex II**

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### **Citation**

Crisafi, E. (2019, June 25). *In vitro investigation of the photoprotection mechanism of Light Harvesting Complex II*. Retrieved from <https://hdl.handle.net/1887/74368>

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**Issue Date:** 2019-06-25

## *CURRICULUM VITAE*

My name is Emanuela Crsafi and I was born in Brindisi the 22<sup>nd</sup> November 1988. I grew up in my parent' s home town, Catania, in the beautiful Italian region of Sicily, where I have completed all my studies. My, early discovered, passion for science drove me to start, in the 2007, the Bachelor program of Science in Chemistry after which I decided to proceed with a Master in Material Chemistry. During the two years of my master I realized deep interest in all what concerned biochemistry, therefore I decided to invest my master internship in the group of the Prof. Dr. C. La Rosa studying stability of DNA quadruplexes. After having graduated with honors in the 2013 I undertook the challenging path of the PhD in Leiden, in the 2014 in the group of Dr. Anjali Pandit promoted by Prof. Dr. Huub J.M. de Groot, with the aim of studying the molecular plasticity of LHCII.

In my academic career, I have been accepted to participate to the SSNMR school in Munich (GE, 2014) and to the XX School of Pure and Applied Biophysics in Venice, with the focus in Molecular and biophysical aspects of photosynthesis (IT, 2016).

During the past years my work was selected to be presented as posters in several conferences: Dutch Biophysics (NL, 2014), Reedijk symposium (NL 2014), SSNMR school (GE, 2014), Dutch Biophysics (NL, 2015), Chain (NL, 2015), 17th International Congress on Photosynthesis Research, PS17 and Light Harvesting satellite meeting (NL ,2016), Dutch Biophysics (NL, 2016), Chain (NL, 2016), Gordon research conference and Gordon research seminar in Photosynthesis (USA,2017).

## ***PUBLICATIONS***

- V. Romanucci, D. Milardi, T. Campagna, M. Gaglione, A. Messere, A. D'Urso, E. Crisafi, C. La Rosa, A. Zarrelli, J. Balzarini, G. Di Fabio (2014) *Synthesis, biophysical characterization and anti-HIV activity of novel 5'-Hydrophobic-conjugated G-quadruplex forming oligonucleotides*, *Bioorganic & Medicinal Chemistry*, 22, (3), 960–966
- E. Crisafi & A. Pandit (2017) *Disentangling protein and lipid interactions that control a molecular switch in photosynthetic light harvesting*. *BBA Membrane*
- E. Crisafi, M. Krishnan & A. Pandit, *Time-resolved fluorescence analysis of LHCII in the presence of PsbS at neutral and low pH*. (Submitted).

# ***ACKNOWLEDGMENT***

I want to thank my supervisor Dr. A. Pandit for the given opportunity. During these years of Ph.D., I have grown learning that is essential to be open to change point of view, each small achievement is a very big step in our development and we should be proud of. Thanks to my promotor Prof. dr. H.M.J. de Groot, whom never misses an opportunity to have nice and challenging discussion and from whom I have learned that we **MUST ALWAYS THINK**.

Thanks to Geri and Nora, it has been a pleasure to be supported from you. Your passion and dedication to science has been inspirational. Geri, your structure and strong mind made me feel safe and comfortable.

A special thanks to Karthick, without whom I could not manage to let it go. You are an endless source of inspiration and management. You helped me during the most difficult and challenging period of my Ph.D.

TOA, Arian, Trudi, Marco you have been really kind with helping me when needed and willing to slow down in your busy day to let me practice my Dutch. I will never forget your kind souls.

Liesbeth, dear Liesbeth... at the beginning of our journey you were there willing to help us for everything and anything. Later stage, you became the solid pillar that each of us need in our Ph.D. experience.

Thanks to ALL the BOPC group, with whom I enjoyed very lovely lunch breaks colored with all the possible discussion topics, most frequently regarding food. What to say we like to eat ☺. Never forget that LUNCH time is 12:30 no matter what...

A special thanks to my good and old LCP2, Jessica, Remco and Dieuwertje. I miss so much our time there. Finally, after 3 years from that new year proposition I could fulfill the point: "Have Dutch discussion with Emanuela". Better later than never :P Vidya, you introduced me to a new vision of life, science and food...Thanks a lot I will always remember the first time that I met you.

Thanks to Kassi, you always make my days unpredictable.

An unconditional thanks to Rubin. You were always there listening and thinking with me. You helped me a lot and supported since you joined the group. Your passion for science knowledge in all its peculiarity is admirable.

Fatemeh and Maithili. We started together this journey, I am pleased that with the time our bonding increased. We shared so much during this experience, from work to personal life.

Thanks to Nicola who always had to deal with my peculiar character which made our days full of surprise.

Thanks to my family who gave me the opportunity to study and made me grow resolute and strong minded as I am.

Thanks to all my friend who, in Leiden, are as a second family, making me feel at home. Stefania, even if far from each other we shared this life experience together. Lontane ma vicine sempre!