

# Alex (I. M.) van der Wateren

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## EDUCATION

2012-2016 **PhD** Chemistry, University of Cambridge (graduation in July 2017)  
2009-2011 **MSc** Medical Biology, University of Amsterdam (7.4 out of 10)  
2006-2009 **BSc** BioMedical Sciences, University of Amsterdam (7.2 out of 10)  
2005-2006 - Bachelor programme in Fashion Design at HKU, Utrecht (no degree)

## ACADEMIC CAREER

Nov. 2016 – Jan. 2017 **Department of Chemistry, University of Cambridge**  
**Post-Doctoral Research Assistant** under supervision of Prof. Dobson working on Parkinson's Disease, mainly using high resolution microscopy and micro capillaries to study macromolecular protein assemblies.

Oct. 2012 – Sept. 2016 **Department of Chemistry, University of Cambridge**  
**PhD student** under supervision of Prof. Dobson working on molecular origins of Parkinson's Disease using various techniques, mainly: recombinant protein expression and purification, high resolution microscopy, bulk aggregation assays and circular dichroism.

April 2012 – June 2012 **Department of Immunology, Wenner-Gren Institute, Stockholm**  
**Research assistant** in immunology working on Fibromyalgia performing mostly flow cytometry analyses on patient blood cells.

Sept. 2011 – March 2012 **Department of Cell Biology, Wenner-Gren Institute, Stockholm**  
**Research assistant** in cell biology studying the role of a chromatin remodelling complex in alternative splicing using cell culture, ChIP, Western blot, siRNA, PCR.

Sept. 2010 – April 2011 **Nuclear Organisation Group, SILS, University of Amsterdam**  
**MSc. Student** in cell biology studying the role of two proteins in chromatin organisation using techniques such as cell culture, siRNA, Western blot, FISH and 3D confocal microscopy.

Nov. 2009 – July 2010 **Department of Medical Biochemistry, AMC, University of Amsterdam**  
**MSc. Student** in biochemistry/cell biology looking at the role of programmed necrosis and glycosphingolipids in the development of insulin resistance using cell culture, Western blot, WST-1 assay and flow cytometry.

May 2009 – Aug. 2009 **Department of Pathology, AMC, University of Amsterdam**  
**BSc. Student** studying concordance of HER2 status between primary breast cancer and corresponding distant metastases using IHC and CISH on tissue micro arrays.

## TEACHING & VOLUNTEERING EXPERIENCE

Aug. 2014 – June 2015 **Cambridge University Nanotechnology Society**  
**Committee member** designing and maintaining the website, photographing our events and updating social media.

Aug. 2013 – June 2014 **Cambridge University Astronomical Society**  
**Webmaster** maintaining our website, designing several promotional materials, photographing our events and editing/designing our printed newsletter (Neptune).

Nov. 2011 – April 2012 **Stockholm Student Union**  
**English tutor** I helped students with academic writing and general conversation skills.

March 2010 **Department of Anatomy and Embryology, AMC, Amsterdam**  
**Teaching assistant** teaching early embryology to undergraduate students combined with a study on student characteristics and test performance.

## SPECIALISED COURSES

- 2013 FEBS-EMBO advanced lecture course: Biomembranes; molecular architecture, dynamics and function, Cargèse, Corsica, FR. [Poster presentation](#)
- 2011 Postgraduate course 'The 3' end of the gene', Stockholm University, Stockholm, SE.

## SELECTION of CONFERENCES/SYMPOSIA

- BBS symposium 'Protein-protein interactions, self-assembly and aggregation', Dec. 15, London, UK.
- Annual 'Centre for Protein Misfolding Diseases' meeting, Nov. 9-11, 2015, Cambridge, UK. [Short talk](#)
- EBSA2015, July 18-22 2015, Dresden, DE. [Short talk + Poster presentation](#)
- Annual 'Centre for Protein Misfolding Diseases' meeting, Nov. 3-4, 2014, Cambridge, UK. [Short talk](#)
- Protein Structure, Protein Evolution, June 2-3 2014, Stockholm, SE.
- Biophysics of Amyloids and Prions, May 25-26 2014, Naples, IT. [Poster presentation](#)
- Annual 'Centre for Protein Misfolding Disease' meeting, Nov. 4-5 2013, Cambridge, UK. [Short talk](#)
- FOM Molecular and Cellular Biophysics, Sept. 30-Oct. 1 2013, Veldhoven, NL.
- I held a lunch-time seminar at Darwin College in 2013, Cambridge, UK.
- Protein misfolding in disease, April 13-17 2013, Roscoff, FR. [Poster presentation](#)
- Oxford Symposium on Rare Diseases: 2013. Jan. 31 – Feb. 1 2013, Oxford, UK.
- Molecular Chaperone Club Meeting, Dec. 17 2012, Cambridge, UK.
- Prion 2012, May 9-12 2012, Amsterdam, NL.
- FOM Molecular and Cellular Biophysics, Oct. 3-4 2011, Veldhoven, NL.
- 'Actin and actin-associated proteins, from genes to polysomes', Sept. 7-10 2011, Stockholm, SE.
- Dutch Royal Academy of Sciences biophysics meetings, several in 2010-2011, NL.
- FOM Molecular and Cellular Biophysics, Oct.4-5 2010, Veldhoven, NL. [Poster presentation](#)

## AWARDS

- Darwin College conference grant for EBSA2015 (£ 150), 2015.
- EBSA congress bursary for EBSA2015 (€ 400), 2015.
- Boehringer Ingelheim Stiftung conference grant for FEBS-EMBO advanced lecture course: Biomembranes; molecular architecture, dynamics and function (€ 400), 2013.

## PUBLICATION

Tark-Dame M, Jerabek H, Manders EMM, **van der Wateren IM**, Heermann DW, van Driel R (2014) Depletion of the Chromatin Looping Proteins CTCF and Cohesin Causes Chromatin Compaction: Insight into Chromatin Folding by Polymer Modelling. PLoS Comput Biol 10(10):e1003877. doi:10.1371/journal.pcbi.1003877

## WORK EXPERIENCE

- 2017- present **Cambridge Farmers' Outlet**  
I assist in running an online business selling flower bulbs and live plants: managing sales on Amazon and ebay, keeping track of our inventory, finding suppliers, assisting with purchasing stocks and instructing staff.
- 2006 **Leenart & Heemskerk, Utrecht, the Netherlands**  
Summer job in customer service handling in-bound and out-bound calls for a cable- and internet provider and a medical billing service.
- 2003-2004 **Almelo, the Netherlands**  
Several service jobs in my hometown waiting tables and selling ice cream.

## HOBBIES

In my spare time, I enjoy creative/artistic pursuits such as illustration, painting, sculpting, costume design and photography. I like to go out on my road bicycle to enjoy the scenery around Cambridge and regularly go to the gym. I am interested in current affairs and enjoy reading and going to the cinema.