

# Curriculum Vitae

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## Experience

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### Freelance Chemist

June 2013 - Aug 2013

Self-employed Consultant at Octapharma AB  
Development & validation of PDA NIRS methods for determining moisture content in lyophilized products and intermediates.

### Octapharma AB

Sep 2011 - Aug 2012

Development Engineer at QC Methods and Expertise  
Technical investigations, instrument qualification, method development & validation.

- Developed and calibrated NIRS methods with Mathcad. Used for in-process measurement of moisture in lyophilized product.
- Developed Excel macro for interfacing SoftMax data with Combistats; for a system that is used to evaluate parallel line bio-assays.
- Qualified IL 943 flame photometer.

### Octapharma AB

Aug 2006 - May 2011

QC Laboratory Engineer at QC Starting Materials  
Analysis of raw materials, instrument qualification and method validation according to cGMP.

- Developed and validated methods for raw material identification with FT-NIRS.
- Procured and qualified several different laboratory instruments according to cGMP, GAMP and guidelines, such as FT-NIRS, Metrohm Titrando with sample changer, Rekrtron, FTIR UATR.
- Designated translator for internal regulatory documents and deviation investigations from Swedish to English during FDA inspections.

### Kungliga Tekniska Högskolan Biotechnology

Aug 2005 - Feb 2006

Part time Laboratory assistant in Microbiology & Biochemistry  
Preparation of methods and materials, explaining methods and supervising students.  
Techniques: Basic microbiological methods, DNA extraction & sequencing, FISH, Bradford, ELISA, SDS-PAGE and Western Blot.

### Attana Sensor Technologies

2004

Calibration of laboratory equipment and administrative duties.

## Education

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### Diploma Work at SWECO VIAK and KTH Biotechnology

Nov 2005 - Apr 2006

*Exploring the variability of wastewater composition and its effect on the microbial ecosystem and sedimentation efficiency at the Tjustvik municipal wastewater treatment plant.*

### Degree of Master in Science in Engineering

2000 - 2010

#### KTH Biotechnology

Focus on environmental biotechnology, comprising specialization in environmental engineering, and wastewater microbiology. The program also gave wide-ranging knowledge in mathematics, physics, chemistry, molecular biotechnology and biotechnological processes.

### Courses in Political Science in English at Stockholm University

2002 - 2003

Basic and advanced courses in Political Science. Including Political theory, Swedish politics, international relations and globalization issues.

### Fredrik Andersson

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# Curriculum Vitae

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## *Education continued*

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**Basic Course in Political Economy at Stockholm University** 2000

**Natural Science Program, Thorhildsplan Gymnasium** 1996 - 1999

## **Language Skills**

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Swedish: Native

English: Very good

German: Very basic

## **Other Qualifications**

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Received grants from Civilingenjörersförbundet:

- Stenhagens fond, 2004
- Understöds- och stipendiefonden, 2003

## **Interests and Commitments**

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Member of the experimental architecture practice **Svensk Standard** and participated in the following projects:

**The Unliving City** 2011-2013

Preproduction studies for a post-apocalyptic feature film "The Unliving". Design of an isolated City in the future. Production for 2013 Staff Exhibition at the KTH School of Architecture.

**Venice Architecture Biennale** 2010

Svensk Standard participated in the At Work With residency program in the Nordic pavilion during the 2010 architecture biennale.

**Floating Lawn** Summer 2010

5x5 meter raft covered by lawn and powered by a small outboard motor, displacement 2.5 tons. Recycled 2013.

**The Narva Pavilion** 2009

Within the project *Another Pavilion* Svensk Standard created an alternate history for a neglected pavilion in the Tanto park.

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