

## CURRICULUM VITAE

1. **Family name:** Staugaard
2. **First names:** Per
3. **Date of birth:** January 10, 1952
4. **Nationality:** Dutch
5. **Civil status:** married [two daughters 1988, 1995]
6. **Education:**



Institution	Date: from - to	Degree(s) or Diploma(s) obtained
Amsterdam University	1971 - 1981	Doctorandus [master] in biochemistry, electron microscopy and microbiology
Amsterdam University	1982 - 1984	Doctorandus [master] in chemical engineering
ABSA	2011	Registered Biosafety Professional [RBP]

### 7. Language skills

Language	Reading	Speaking	Writing
Dutch	Native	Native	Native
English	Excellent	Excellent	Excellent
German	Good	Fair	Satisfactory
French	Good	Fair	Fair

### 8. Membership of professional bodies:

EBSA	European Biosafety Association Council Secretary 2007-2011
BVF-p	Platform for Biosafety officers [Dutch]
ABSA	American Biosafety Association
AfBSA	African Biosafety Association
NBN	Nordic Biosafety Network
KNVM	Dutch society for Microbiology
NBV	Dutch society for Biotechnology

### 9 Other skills:

Teaching on various levels  
Technical insight in design and construction of equipment  
Ability to combine theory and practice  
Reading technical drawings  
RPL-G [glider pilot's licence]

## 10. Present position:

<b>Company/location</b>	<b>Position</b>	
InTraVacc [Bilthoven]	BSO/BVF   Assistant BSO/BVF	Since 2011   Since 2016
Waag Society [Amsterdam]	BVF	Since 2014
Tramedico Logistics [weesp]	BSO/BVF	Since 2014
Microos BV [Bilthoven]	BSO BVF	Since 2013
HALIX BV [Leiden]	BSP/BVFF	Since 2012
Photanol BV [Amsterdam]	BVF	Since 2010
Bactimm BV [Nijmegen]	BSO/BVF	Since 2010
Epirus [Utrecht]	BVF	Since 2006
Biosafety Training & Consultancy	General manager/ Director; trainer, consultant, auditor	Since 2003

## 11 Short Description:

Per Staugaard [1952] studied Biochemistry and Chemical engineering at Amsterdam University. He worked as chemistry teacher on secondary school and as electron microscopist for some years.

Per Staugaard has been involved in biosafety since he started at the vaccine production at the Dutch National Institute for Public Health [RIVM] in 1989.

As head of bacterial vaccine production he was responsible for erecting a new production building, creating a GMP and BSL-2 compliant environment.

After the transfer of his department to the Foundation for Public Health [SVM] in 1997 he was responsible as well for the training program in the vaccine department as for the [bio-]safety. With the start of the [Dutch vaccine Institute] NVI in 2002 he focussed on biosafety.

Since 2003 He operates as an independent biosafety consultant next to his work for NVI. With the closing of the Vaccine Institute he returned to the RIVM and Intravacc as senior Biosafety Officer. Presently Per is, in a process of partial retirement, the assistant BSO at Intravacc,

He has been involved in development of in-house biosafety training for companies and regularly contributes as teacher/ speaker in biosafety courses.

He advised on technical items as killtank systems and bioreactor design.

Per Staugaard has been registered with the Dutch ministry of environment for supervision of GMO projects since 1999.

He has been an EBSA member since 2000 and an ABSA member since 2004. He served as an EBSA council member [secretary] from 2007 till 2011.

He was assigned a RBP [Registered Biosafety Professional] by ABSA in 2011.

## 12 Specific courses and training activities:

<b>date</b>	<b>topic</b>	<b>provider</b>	<b>duration</b>	<b>Role / Result</b>
Sept 2015	Various topics in the 5day course on biocontainment	Univ Ghent	5 days	trainer
April 2015	Use of PPE	EBSA	1 day	trainer & course leader
May 2014	Break-out workshop “spill control”	EBSA	½day	trainer & course leader
March 2014	course “Basic of Biosafety” at Luxembourg University	BT&C	2 days	trainer & course leader
Sept 2013	Autoclaves & sterilization, PPE in 5day summer course	Univ. Ghent	½day	trainer
2010, 2012	Basic biosafety for occupational health workers	BC and BT&C	2 days	trainer & course leader
Jun 2012	Personal Protection Equipment	EBSA	½ day	Trainer

Jun 2012	Working safely in a BSC	EBSA	½day	trainer & course leader
2007- 2011	Biosafety trainer : “train the trainer”	EBSA, ABSA, AfBsa	1 day	trainer & course leader
Oct 10	Effluent decontamination	ABSA	1 day	certificate
Jun 09	Running a BSL2 environment in a safe way: A practical approach	EBSA	1 day	trainer & course leader
Oct 08	Risk communication for biosafety professionals	ABSA	½ day	certificate
Oct 08	Personnel security within a Biosecurity program	ABSA	½day	certificate
Oct 08	Fundamentals of the Class III Biosafety cabinet	ABSA	½day	certificate
Oct 08	Designing BSL-3 Mechanical Systems to fail	ABSA	½day	certificate
March 07	A Training program in a biosafety environment	EBSA	1 day	trainer & course leader
May 07	International High Containment Biosafety Workshop	ICID	5days	certificate
May 06	Behavioural based Safety	EBSA	1 day	certificate
Oct 05	Biosafety program Management	ABSA	1day	certificate
Oct 05	Practical Considerations in Space decontamination	ABSA	1day	certificate
May 04	Biosafety audits and inspections	EBSA	1day	certificate
Jan 2000	Auditor	Bakkenist	3½day	certificate

### 13 Relevant professional experience record:

Date	Company/location	Position and description
2015	Intra Vacc, Bilthoven, NL	Advice on BSL2 lab refurbishment
2014-2015	ProQR, Leiden NL	Advice on BSL2 lab refurbishment
2012-2014	Naturalis , in cooperation with c-labs and AMOLF	MVF & Advice and obtaining permit on exhibiting GMOs
2012-2013	Stichting Ja-Natuurlijk Gemeentemuseum den Haag	MVF & Advice and obtaining permit on exhibiting GMOs
2011-2015	RIVM, Bilthoven, NL	Biosafety Officer [BVF]
2012	TNO Triskelion, Zeist , NL	Advise on contained equipment
2011- 2012	Hal Allergy, Leiden , NL	Consultancy for design and commissioning BSL2 & GMP production suite
2011	Batavia Bioservices,, Leiden , NL	Audit & advice of worker and environmental biosafety.
2011- 2013	Photanol BV , Amsterdam	advice on upgrading work to industrial scale
2010	Crucell , Leiden, NL	Audit & advice of worker and environmental biosafety.
2009- 2011	Bactimm BV, Nijmegen, NL	advice on upgrading work to BSL-2
2009-2013	Wageningen University, NL	Advise on Set-up and commissioning BSL-3 lab
2008-2009	CVI , Lelystad NL	Consultancy for design and commissioning of a BSL-3 lab. Training of lab personnel
2008-2015	NIZO, Ede [NL]	Risk analysis, incident management and training for BSL2 [3] work
2006-2008	Percuros, Leiden NL	Biosafety Officer [BVF]
2006-2007	Stem cell Innovation, Leiden , NL	Biosafety Officer [BVF]
2005	AMT, Amsterdam, NL	Audit & Advise for waste disposal during scale-up to production level
5005-2010	NVI [Dutch National Vaccine Institute], Bilthoven	Biosafety officer, BVF [biologischeveiligheidsfunctionaris]
2005-2010	Technical University , Eindhoven	Acting Biosafety Officer [BVF]
2005-2006	Philips, Eindhoven, NL	Advisor for construction of mixed laboratory construction - up to BSL-3
2004-2005	RIVM , Bilthoven	Biosafety officer [BVF]
2004-2007	Bradford Instruments, Heerle , NL	Validation of sterilizer for dentists equipment.
2004	LUMC , Leiden, NL	Consultancy for design of a Killtank-system in a BSL-3 lab with animals facilities
2003-2004	SSI, Copenhagen, Denmark	consultancy for facility disinfection.
2002-2004	RIVM&NVI , Bilthoven, NL	advisor for erecting pilot plant for vaccine production.

2001-2005	WHO , Geneva, Switzerland	biosafety advisor to the WHO - for definition and implementation of BSL-3/olio guidelines on containment.
1990-1992	RIVM , Bilthoven NL	co-ordinator of building production facilities for bacterial vaccines. Including supervision on validation & commissioning
1986-1988	Rijnlands lyceum, Leiden. NL	Teaching [applied] chemistry in international [secondary] school; IB program

#### 14. Other:                   **Publications**

P Staugaard, FM vd Berg, CL Woldringh & N Nanninga (1976)  
Localization of ampicillin-sensitive sites in *Escherichia coli* by electron microscopy.  
**J Bacteriol.** 127 : 1376-1381

HH Beeftink & P Staugaard (1983)  
Acidification of glucose; Architecture of biofilms as developed in an anaerobic gas lift reactor with sand as adhesion support.  
**Proc. Eur. Symp. Anaerobic Wastewater Treatm.** (WJ vd Brink, ed) NVB/TNO, Noordwijkerhout. pp 106-116

HH Beeftink & P Staugaard (1986)  
Structure and dynamics of bacterial aggregates in a gas-lift reactor.  
**Appl. Envir. Microbiol.** 52: 1139-1146

J van Doorn & P Staugaard (1987)  
Characterization of coked catalyst by scanning electron microscopy.  
**Ultramicroscopy** 21: 189

J van Doorn, P Staugard & JA Moulijn (1988)  
Novel Type of Carbon-Supported Catalysts: I Preparation and Characterization.  
**Applied Catalysis** 48: 253-264

P Staugaard, RA Samson & M van der Horst (1989)  
Variation in *Penicillium* and *Aspergillus* conidia in relation to preparatory techniques for scanning electron microscopy and light microscopy.  
**IN: Modern Concepts in Penicillium and Aspergillus Classification.** (RA Samson & JI Pitt, ed.) Plenum Press NY. pp 39-48

#### 15. Contact Address, including telephone, fax and e-mail

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