

# TAB B

Date : 17.09.2015

## CURRICULUM VITAE

**Name** : Dr. Lill

**Forename** : Norbert

**Date of Birth** : 13.03.56

**Nationality** : German

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### 1. EDUCATION

- 1992 - 2012 : Qualified person for manufacturing of drug products (§15 AMG, Herstellungsleiter)
  - 1990 – 1994 : Continued education for specialist in pharmaceutical analytics (State Chamber of Pharmacists, Hesse) with the degree Pharmacist for Pharmaceutical Analytics
  - 1988 – 1990 : Continued education for specialist in pharmaceutical technology (State Chamber of Pharmacists, Hesse) with the degree Pharmacist for Pharmaceutical Technology
  - 1985 : PhD, University of Regensburg
  - 1981 - 1985 : Post-Graduate student in Pharmaceutics, University of Regensburg, Germany
  - 1981 : License as pharmacist (Approbation)
  - 1976 – 1980 : Undergraduate education as Pharmacist, University Regensburg, Germany
  - 1966 - 1975 : Secondary School (Gymnasium) in Weiden, Germany
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### 2. LANGUAGES

- Mother tongue : German
  - Fluent professional practice : English
  - Basic: : French
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Sanofi v Eli Lilly

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**3. PROFESSIONAL EXPERIENCE WITHIN THE GROUP**

- 2014 until now
- Sanofi-Aventis Deutschland GmbH  
Global Head Pharmaceutical Excellence and  
Drug Device Combination Integrator  
Member of PSO Board.
- Troubleshooting and risk mitigation of late stage projects: integrated development of drug device combination products*
- 2013 - 2014
- : Sanofi-Aventis Deutschland GmbH  
Head Pharmaceutical Sciences Operations Frankfurt  
Member of PSO Board. *Integration of Industrial Development & Innovation (ID&I) Injectables Group. Reorientation of department towards additional industrialization support until product launch. PAI support for Lixisenatide. Fostering further cooperation with IA Frankfurt sites. Development of governance model. Continuation as R&D representative for Device Development Industrialization Launch Preparation Committee (DDIC) and Risk Management Board (RMB) since 2009. Repositioning for Peptide depot delivery systems development.*
- 2005 - 2012
- : Sanofi-Aventis Deutschland GmbH  
Head Pharmaceutical Sciences Department, Northern Europe
- Management of Alnwick (2005), Budapest and Frankfurt site. Member of PSD board. First regular chair of Regional Scientific Management Committee in preclinical and regional CMC project council in CMC for Northern Europe Region. R&D representative for Device Development Industrialization Launch Preparation Committee (DDIC) and Risk Management Board (RMB) since 2009. Hiring and integration of ~30 new associates (~15 PhDs) in FF and BU. Fostering internalization of new technologies (Nanocrystals; ELAN; Microspheres; BROOCKWOOD). Introducing pharmaceutical engineering into organization. Ensuring high standard in GMP and HSE without critical findings in internal and external audits (authorities). Enhancing cooperation with Discovery. Initiating close cooperation with IA PCII. Fostering creating new state-of-the-art parenteral pilot plant; refurbishing of radio-active clinical supply unit (BEX) and creation of new OEB4 area (HSE). Closing of Alnwick (2006) and Budapest (2012) site*
- 2003 - 2004
- : Aventis Pharma Deutschland GmbH  
Head Pharmaceutical Sciences, Germany
- Introduction of early formulation concept. Fostering transfer, submission and world-wide launch of Apidra as well as Pre-approval inspection (PAI) by FDA*

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- 2001 - 2002 : Aventis Pharma Deutschland GmbH  
Pharmaceutical Sciences  
Head Drug Delivery Liquids Development
- 1998 - 2000 : Hoechst Marion Roussel, Germany, Frankfurt  
Pharmaceutics Germany  
Head Drug Delivery Liquids  
  
*Transfer, submission and world-wide launch of Lantus®. Pre-approval inspection (PAI) by FDA*
- 1994 – 1998 : Hoechst Marion Roussel , Germany, Frankfurt  
Pharmaceutics Department  
Head Drug Delivery Systems & Parenterals  
  
*Submission and market launch of Buserelin microparticles in Japan*
- 1992 – 1994 : Hoechst AG, Germany, Frankfurt  
Pharmaceutics Department  
Head Special Dosage Forms  
  
*Scale up of microparticle manufacture to industrial scale. Introducing first autoclavable spray dryer in cooperation with Industrial Operation and NIRO to production. External cooperation including pre-financing of new sterile facility with VETTER for double-chamber syringes.*
- 1989 – 1992 : Hoechst AG, Germany, Frankfurt  
Pharmaceutics Department  
Head of Laboratory, Special Dosage Forms  
  
*Formulation & process development for Buserelin microparticles in lab scale including GMP manufacturing. Introducing new excipient (PLGA50:50) to pharma market.*
- 1987 – 1989 : Hoechst AG, Germany, Frankfurt  
Pharmaceutics Department  
Head of Laboratory, Dermal Dosage Forms  
  
*Research program for peptide depot system based on biodegradable microparticles.*
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#### 4. PROFESSIONAL EXPERIENCE OUTSIDE THE GROUP

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|------------------|---|---|
| 2008 – until now | : | Member of the Scientific Advisory Board; Faculty of Pharmacy, Phillips-University of Marburg, Germany |
| 1985 – 1987      | : | Assistant Professor, Pharmaceutical Technology University of Regensburg                               |
| 1980 – 1981      | : | Practical stage in a community pharmacy   |

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#### 5. Publications / International Associations / Expert Reports (involvements) :

##### Thesis:

“Spektroskopische Untersuchungen von Dermatika und Wirkstoffsorbaten an Siliciumdioxid”;  
(Spectroscopic investigations of dermal dosage forms and drug substance adsorbates on silicium dioxide) 1985, University of Regensburg; supervised by Prof. H. Rupprecht

##### Publications:

1. Colloidal silica as drug carrier  
Eckert, Ch; Endres, W; Lill, N; Rupprecht, H; Valentin, B.  
Congr. Int. Technol. Pharm. 5 (240) 1983
2. IR-spektroskopische Untersuchungen an Dermatika mit abgeschwächter totaler Reflexion (ATR-Technik)  
1. Salben und Pflaster  
Lill, N; Rupprecht, H.  
Pharm. Ztg. 129 (690) 1984
3. Spektroskopische Untersuchungen an Phenol-SiO<sub>2</sub>-Sorbaten  
Lill, N; Eckert-Lill, Ch; Rupprecht, H.  
Scintia Pharm. 54 (212) 1986
4. Chemisorbates of drugs on silica:  
A new approach to drug release modification  
Eckert-Lill, Ch; Lill, N; Endres, W; Rupprecht, H.  
Drug Dev. & Industrial Pharmacy 13 (9) 1987
5. Phenylalkanol – adsorbates on silica as types of immobilized drugs  
1. Chemiadsorption on activated silica surfaces  
Eckert-Lill, Ch; Lill, N; Rupprecht, H.  
Colloid & Polymer Sci. 265 (1001) 1987
6. Immobilized drugs: Phenol and benzoic acid derivatives chemiadsorbed on silica.  
I. Preparation of chemiadsorbates.  
Eckert-Lill, Ch.; Lill, N.; Endres, W; Rupprecht, H.  
Acta Pharm. Jugosl. 38/4 (373) 1988

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