

# Curriculum Vitae

**First name:** Piotr

**Family name:** Neumann

**Date and place of birth:** 13th August 1975 in Ilawa, Poland

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**Nationality:** Polish, German

## Education:

1999.10.01 - 2004.01.14 Ph.D. studies, Institute of Chemistry, N. Copernicus University, Torun, Poland, Specialization X-ray Crystallography. Field of interests: Ligand binding in serum transport protein transthyretin.  
**Title of Ph. D. dissertation** *Structural changes in transthyretin induced by ligand binding.*

1994.10.01 - 1999.06.15 Student, Institute of Chemistry, N. Copernicus University, Torun, Poland, Specialization X-ray Crystallography. Field of interests: Molecular Replacement method as a tool for solving polymorphic structures of known macromolecules.  
Supervisor: Prof. Dr. Andrzej Wojtczak

**Title of MSc dissertation** *Crystal structure determination of new polymorph of transthyretin (TTR) using Molecular Replacement Method*

## Employment Experience:

2003.09.01 - 2004.02.14 Teacher of chemistry (Grammar School nr. 28 in Torun)

2003.11.01 - 2005.06.14 Academic teacher/researcher (Faculty of Chemistry, N. Copernicus University, Torun), duties: research - X-ray studies of transthyretin (TTR) - apo and complexes, investigating aspects of ligand binding in TTR, teaching - Inorganic and Instrumental Chemistry - laboratory and lessons, crystallography – lessons, seminar.

2005.06.15 – 2009.01.31 Post-doctoral fellow in Prof. Milton T. Stubbs group (Martin-Luther-Universität Halle-Wittenberg), duties: research – main field crystallography – structures determination, crystallization and optimising crystal conditions, teaching – crystallography workshops, Biophysical Practical Course for students.

Since 2009.02.01                      Staff scientist in Prof. Dr. Ralf Ficner group (Georg-August-Universität Göttingen)

### **Academic Awards and Honors**

1996 - 1999                      Scientific stipend, The Dean of Faculty of Chemistry  
1998 September                Annual Award of the Dean of Faculty, N. Copernicus University  
1999 October                    The best graduate of the Faculty of Chemistry in the Year 1999

### **Courses:**

2000 April - June                Course of Modern Separation Techniques, N. Copernicus University in Torun

### **Experience:**

Protein crystallization, optimizing crystallization conditions (using a pipetting robot, Protein Crystal Imaging System)  
Optimization of crystallographic data and structure resolution using FMS™  
Data collection and processing (XDS, MOSFLM, HKL2000)  
Maintenance of a home source diffractometer  
Structure solution (MAD, SIR, SIRAS, MIR, MIRAS, MR)  
Refinement (Refmac5, CNS, PHENIX) and model building (O, Coot).

### **Computer experiences:**

Administration of Unix computers (SGI and PC running Linux)  
PC-computers running Windows system, advanced use of office packages like Microsoft Office and LibreOffice.

### **Foreign languages:**

Polish (native), English, German.