

Curriculum Vitae

Dr. Frank Dieterle
Hegenheimerstr. 23
4055 Basel
Switzerland



Personal Data

Date of birth	October 8 th , 1973
Place of birth	Tübingen
Nationality	German
Marital status	single

Education and Professions

Since September, 2005	Project manager in the field of biomarker development at Novartis Pharma AG in Basel
October, 2003 – August, 2005	Research in the field of metabolic profiling and biomarker identification (metabonomics) at F. Hoffmann-La Roche Ltd
July 26 th , 2003	Ph.D. (0.75, summa cum laude)
February, 2000 - July, 2003	Ph.D. thesis “Multianalyte Quantifications by Means of Integration of Artificial Neural Networks, Genetic Algorithms and Chemometrics for Time-Resolved Analytical Data” in the research group Prof. Dr. G. Gauglitz
January, 2000 – August, 2003	Scientific employee at the Institute of Physical and Theoretical Chemistry, Universität Tübingen
January 7 th , 2000	Diplom-Chemiker (M.Sc. Chemistry, 1.0)
1999 - 2000	Master thesis “Multivariate Datenanalyse” in the research group Prof. Dr. G. Gauglitz
October 12 th , 1995	Diplomvorprüfungen, (B.Sc. Chemistry, 1.0)
1993 - 2000	Student of general chemistry at the Eberhard-Karls-Universität Tübingen
May 11 th , 1993	Abitur, (High school graduation, 1.0)
1984 - 1993	Geschwister-Scholl-Schule in Tübingen
1981 - 1984	Primary school in Tübingen

Career Related Activities and Experiences

- Project management in the field of biomarker development for diagnosis, safety and therapy at Novartis Pharma AG.
- Implementation of metabonomics, metabolic profiling and biomarker identification in early drug development and in clinical phase I studies at F. Hoffmann-La Roche Ltd working in the group of Dr. Hans Senn.
- Invention and development of improved data analysis procedures and modeling techniques for NMR spectra and biomedical data.
- Identification and quantification of biomarkers and metabolites in biofluids in collaboration with NMR and LC-MS spectroscopists.
- Correlation of biomarkers and metabolites with findings from histopathology, changes of physiology, affected pathways and mechanistic toxicity.
- Biochemical and physiological interpretation of affected pathways and metabolites.
- Creation and maintenance of databases for spectra and metabolites.
- Practical and theoretical experiences in various instrumental analysis methods in the field of chromatography and spectroscopy.
- Data mining, pattern recognition and classification of various metabonomic, analytical, sensory and clinical data sets.
- Optimization of analytical methods, product compositions, immunoassays and sensor coatings by the use of experimental designs, response surface modeling and statistical analysis.
- Team leader of a group of Ph.D. students at university in the area of chemical sensors.
- Intensive courses in Analytical Chemistry with practical courses in analytical methods and separation techniques during studies at university.
- Lectures for students and participants from industry on statistics and on data analysis.
- Awarded by the “Procter & Gamble Förderpreis 2003” for best Ph.D. thesis.
- Project proposal, negotiations and management of the EU project AWACSS.
- Organization of the 2. Biosensor Symposium 2001, held in Tübingen from April 1st to April 3rd 2001 with 250 participants.
- Reviewer for the journals “Analytical and Bioanalytical Chemistry”, “Analytica Chimica Acta” and “Artificial Intelligence in Medicine”.
- Experienced in the programming languages Matlab (good knowledge), Delphi (good knowledge) and Perl (basic knowledge).

Languages

- German (native)
- English (fluently)
- French (basic knowledge)
- Latin (Großes Latinum)

Hobbies

- Skiing, executive committee of the Academic Skiing Club Tübingen
- Swimming and diving
- Inline Skating

Dr. Frank Dietrich