

# Curriculum Vitae

## Personalities

Name	<b>Burckhardt, Johann Jakob</b> DVM, FVH, FAMH
Date of birth	June 07, 1945 in Zurich
Citizenship	married
Children	two

## Education

1952 - 1958	Primary School Zurich
1958 - 1964	Public Gymnasium „Zürichberg“, Zurich
1964 - 1970	University of Zurich, Faculty of Veterinary Medicine
1970	Final Federal Exam and diploma
1974	Doctoral Thesis, DVM (see Ref. P1)
1990	Degree „FVH“ for Laboratory Medicine and Basic Research, Discipline „Basic Research“
1990	FAMH-Certificate as Specialist in Laboratory Medicine, esp. Clinical Immunology (2001 Addendum: „DNA/RNA Technologies“)

## Continuing Education

1976 - 1978	„Train the Trainer“ I & II University of Zurich for Senior Lecturers at the Dental School: produce a Training-Video for dental students (3 <sup>rd</sup> year) on dental plaque
1983	4th Course in Allergology and Clinical Immunology (organised by the Swiss Association for Allergology and Immunology)
1988	4th Course in Haematology (organised by the Swiss Society for Haematology)
1988	Training course in transfusion medicine (one week, organised by the German Association for Transfusion Medicine and Immunohaematology, DGTI)
since 1988	Continuing education (active and passive) at national and international scientific congresses, documented according to GMP rules since 1995.
2001	SAQ: Course A 3.3-74 „Quality-Audit“

## Memberships

Federal Committee for AIDS, and its Subcommittee „Laboratory“ (til 2000)  
American Association of Blood Banks, AABB  
American Society for Microbiology, ASM  
ISBT, and its Working Party for Transmissible Diseases  
German Society for Transfusion Medicine and Immunohaematology (DGTI)  
FAMH (Swiss Association for Laboratory Services)  
Founding Member of SEVHEP  
Swiss Society for Haematology  
Swiss Society for Microbiology  
Swiss Society for Allergology and Immunology  
Swiss Society for Clinical Chemistry and Genetics

## Professional Experiences

01.10.1987	ZLB Central Laboratory
01.08.1988	Head Department Laboratory Services, Member of the Board ZLB; certified ad personam by the Swiss Federal Office of Public Health
01.01.1993	Vice President
01.10.1994	Head Blood Transfusion Service ZLB, incl. cGMP-responsibility (FDA) regarding the Euroblood Program with NYBC (total staff approx. 250)
01.01.1996	Senior Vice President (until October 2000)

## Responsibilities within the Blood Transfusion Service SRC

- Member of the Scientific Advisory Group (Revision of the Swiss Guidelines, until 1995)
- Head Working Group Screening of Blood Donations and Laboratory Services (until December 1999)
- Member of the Board of Regional Directors BTS SRC (until December 1999)
- Responsible Head Reference Laboratory Infectious Disease Screening (incl. External Proficiency Scheme for Switzerland)

## Functions on behalf of the Swiss Federal Office of Public Health

- Head National Reference Centre for Transfusion Transmitted Infections (1997-2000)
- Confirmatory Laboratory for HIV-Serology (through June 2000)

## Achievements

1988	Replace the HBsAg-RIA „Price“ with a „State of the art“-EIA from ABBOTT, increased sensitivity for blood screening
1988	Implement ALAT-screening for all blood donation (ZLB)
1988	Implement IQS (Internal Quality Standards) for ZLB-screening
since 1988	Expand the External Proficiency Scheme for the BTS SRC
1989	Implement ALAT-screening for the BTS SRC
	Terminate paternity testing laboratory ZLB, Terminate basic training of medical technicians ZLB, Continue practical (laboratory) training of medical technicians
1990	Implement Anti-HCV-screening in Switzerland (BTS SRC, by August 1), implement centralized confirmation procedure in Bern (ZLB)
1991	Implement HCV-PCR as an additional confirmation test (ZLB)
1992 - 95	Head AIS-Project: ex vivo-expansion of CD8-Tcells for therapy; plan, build, and validate a laboratory for cell culture for human use; approved for clinical trials
1994	Organize the Blood Transfusion Service ZLB (as of October)
1996	Establish BTS ZLB as a part of the restructured BTS SRC Implement IQS (Internal Quality Standards) for infectious disease screening in BTS SRC
1997	Consolidate the Anti-D-Plasmapheresis-Program ZLB
1997	Reduce the number of blood donations to be collected on mobiles by about 1/4 (240'000 to 180'000, and to 140'000 for 1998), a reshaping which provokes vigorous opposition from blood donors, samaritains, RBTS, SRC etc.
1998	Plan to implement HCV-PCR screening as of January 1999 BTS ZLB, acquire third party RBTS totalling about 2/3 of all blood donations in CH

1999	Fuse the BTS ZLB with the RBTC to form the BTS Bern
1999	Pass the second successive FDA inspection without citations (483) (after 1997) !
2000 til July	Responsible Head for labile blood products (tax reduction for the RC Found.)
01.01.1981 - 30.09.1987	<b>F. Hoffmann-La Roche &amp; Co. Ltd. Diagnostica / Research &amp; Development</b>
01.01.1981	Head "Hepatitis" Group within Immunology
01.01.1982	Head Immunology (15-20 collaborators - scientists and technicians)
01.01.1983	01.01.1984 Deputy

### Responsible for the development of Enzyme Immuno Assays (EIA)

- provide the raw materials required, especially polyclonal and **monoclonal antibodies**, the necessary, event. infectious human materials and **rDNA** produced viral antigens.
- compile package inserts, standard production procedure and specifications for in-process and final product analytics in collaboration with Marketing, Production and Quality Assurance.
- organize the collaboration with external consultants and opinion leaders from universities, hospitals and blood banks.
- organize internal and external product evaluations and provide their data for marketing purposes and publications.
- organize product-based training courses for marketing-and-sales representatives (CH and abroad)
- compile the R & D registration file for submission to authorities (e.g. Paul-Ehrlich-Institute in Germany)

### Products launched

Spring 1985	Hepatitis B EIA-Line, containing four tests; including the first test containing rHBcoreAg on the world market!
1987	two further tests followed
1988/1989	1-3 were planned for Tumor marker- und pregnancy-EIA were tests finalized by collaborators during this time.
01.06.1973 - 31.12.1980	University Zurich, Medical Faculty, Dental Institute, Department for Oral Microbiology and General Immunology (Prof. Dr. Bernhard Guggenheim)
01.06.1973 - 30.06.1975	Postdoctoral position
- 31.12.1980	Senior Lecturer

### This time included the following research leaves of absence

April 1979 - April 1980	Cellular Immunobiology Unit, Tumor Institute, University of Alabama in Birmingham, Alabama, USA (Prof. Dr. Max D. Cooper): Visiting Scientist (Swiss National Science Foundation)
March 1978	Clinical Research Centre Harrow, England (Dr. Anthony C. Allison): Honorary Research Fellow
01.04.1971 - 30.04.1973	University Zurich, Faculty of Veterinary Medicine, Institute for Pharmacology and Biochemistry (Prof. Dr. med. Eduard Jenni): Work in the Laboratory for Immunology, Head PD Dr. Roland von Fellenberg: Doctoral Thesis