

## Dr. Herbert Schmitz

<b>Name</b>	Herbert Schmitz	
<b>Date and place of birth</b>	October 13, 1940, Wuppertal, Germany	
<b>Graduate education</b> 1960-65	Universities of Köln, Freiburg, Innsbruck	
<b>Academic degrees</b> 1967	M.D., University Freiburg (Germany),	
1972	Habilitation in Medical Microbiology at the University, Freiburg	
1973	Qualification for teaching Med. Microbiology	
<b>Positions</b> 1978	Prof. (C3). Work on Herpesviruses in Freiburg. Detection of EBV and CMV IgM antibodies. Work on TBE.	
1979 Head Dep. Virology which is a WHO Collaborating Centre on Arboviruses and Hemorrhagic Fever Reference and Research and also member of the Leibnitz Association	1980: Research on Lassa virus.. Improved diagnostic methods (RF -test). WN flavivirus IgM-ELISA. 1982: First suit lab (level4 ) in Europe.. 1990: Detection of HIV provirus in T-cells by PCR. First publication on RT-PCR for Lassa virus detection. Work on V3 loop of gp120 of HIV. 2001: Pathogenesis of Lassa virus infection (virus load and cytokine kinetics). 2003: detection and diagnostics of SARS coronavirus. Pub. on Dengue virus diagnostics	
<b>Publications:</b>	<b>Papers</b>	168
	<b>Posters</b>	ca. 100
	<b>Presentations at meetings</b>	ca. 100
	<b>Patents</b>	1
<b>Experience:</b>	Development of various diagnostic tests (ELISA, capture ELISA, immunoblot, immunofluorescence assays, PCR, RF test) for hemorrhagic fever viruses. Dengue diagnostics, PCR and antibody tests for most exotic viruses.	
<b>Collaborators involved:</b>	Scientists	5
	Technician	6
	PhD student	7
	Secretary	1

**Publications related to the project:**

6. Schmitz, H., Scherer, M.:  
IgM Antibodies to Epstein-Barr Virus in Infectious mononucleosis.  
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31. Schmitz, H., Doerr, H.-W., Kampa, D., Vogt, A.:  
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43. Schmitz, H., von Deimling, U., Flehmig, B.:  
Detection of IgM antibodies to Cytomegalovirus (CMV) using an enzyme-labelled antigen (ELA).  
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Prevalence of antibodies to Lassa-virus in Liberia.  
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50. Schmitz, H., Emmerich, P.:  
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51. Hunsmann, G., Bayer, H., Schneider, J., Schmitz, H., Kern, P., Dietrich, M., Büttner, D.W., Goudeau, A.M., Kulkarni, G., Flehmig, A.F.:  
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52. Sachers, M., Emmerich, P., Mohr, H., Schmitz, H.:  
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- labelled antigen (ELA).  
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immunodeficiency and related lymphadenopathy syndrome.  
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54. Schmitz, H., Kern, P., Dietrich, M.:  
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61. Schmitz, H., Gras, F.:  
Specific enzyme immunoassay for the detection of antibody to HTLV-III using  
rheumatoid factor-coated plates.  
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62. Schmitz, H., Wolff, C.: Use of monoclonal antibody for the detection of antibody and  
antigen in patients with Lassa fever.  
Med.Microbiol.Immunol. 175, 181-182 (1986)
67. Wendler, I., Schneider, J., Gras, F., Flehmig, A.F., Hunsmann, G., Schmitz,  
H.:Seroepidemiology of LAV/HTLV-III in Africa.  
Brit.Med.J. 293, 782-784 (1986)
68. Schmitz, H.:  
Exotic Viruses and Blood Transfusion in: Blood Transusion and Infectious Diseases:  
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73. Gärtner, L., Emmerich, P., Schmitz, H.:  
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in der Bundesrepublik Deutschland.  
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81. Lunkenheimer, K., Hufert, F., Schmitz, H. :Detection of Lassa Virus RNA in Patients  
with Lassa fever by using the Polymerase chain reaction.  
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93. Schmitz,H., Use of the polymerase chain reaction (PCR) for the detection of HIV-1  
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endemic rural areas in southern Benin. *AIDS*,**7**, 1534-36 (1993)
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- rodents and consumption of their meat as possible risk factors for rodent-to-human transmission of Lassa virus in the Republic of Guinea. *Am. J. Trop. Med. Hyg.* **55**, 661-667 (1996)
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