

**BIOGRAPHICAL SKETCH**Name: **Paul Viktor Lehmann, M.D., Ph.D.**Position title: **CEO of CTL, Adj. Prof. Pathol. & Neurol. at CWRU****A. Education and Training:**

INSTITUTION AND LOCATION	DEGREE	DATE	FIELD OF STUDY
Gymnasium Kastl, Kastl, Oberpfalz, Germany	B.A.	1976	Arts and Sciences
Medical School, Univ. of Tübingen, Germany	M.D.	1983	Medicine
Doctoral thesis, "Immune regulation by lipoproteins" Internal Medicine, Univ. of Tübingen, Germany	Ph.D.	1988	Immunology

**B. Personal Statement:**

My entire research career revolved around immune monitoring. Initially I pursued this field entirely in the academic setting. In 1998 I founded a company around immune monitoring, CTL. At CTL we have been continuously refining methods, reagents and instrumentation for improving the ability to reliably detect rare antigen-specific T cells in freshly isolated cell material, such as human blood. Not only have we been offering new developments to the scientific community, but we also have been the first ones to apply them in research, continuing to further the field. I personally have been trying to combine my new role as the head of a company that employs close to 150 in the meantime, with directing research in our R&D department, and continued academic productivity in this field.

**C. Positions:**

1986-1989 **Postdoctoral Scholar in Immunology** at Preclinical Research, Sandoz Ltd.,  
 1989-1993 **Senior Postdoctoral Scholar in Immunology** at (UCLA) with Dr. Eli E. Sercarz.  
 1993-1998 **Assistant Professor**, (CWRU), Dept. of Pathology & Neurology, Cleveland, OH.  
 1998-2002 **Associate Professor, Tenure** (CWRU), Dept. of Pathology & Neurology, Cleveland, OH.  
 2002-2008 **Full Professor with Tenure**, CWRU  
 2008-Present **CEO of CTL, Adjunct Professor** at CWRU

**Δ. Peer-reviewed Publications ([Google Scholar](#): h-index 53, 302 publications, 14,703 citations):**

- ΔI. Adorini L, Muller S, Cardinaux F, Lehmann PV, Falcioni F, Nagy ZA. *In vivo competition between self peptides and foreign antigens in T cell activation.* **Nature**, 1988, 334, 623-625. ([Link](#))
- ΔII. Adorini L, Sette A, Buus S, Grey HM, Darsley M, Lehmann PV, Doria G, Nagy ZA, Appella E. *Interaction of an immunodominant epitope with Ia molecules in T cell activation.* **Proc. Natl. Acad. Sci. U.S.A.**, 1988, 85, 5181-5. ([Link](#))
- ΔIII. Lehmann PV, Cardinaux F, Appella E, Muller S, Falcioni F, Adorini L, Nagy ZA. *Inhibition of T cell response with peptides is influenced by both peptide-binding specificity of major histocompatibility complex molecules and susceptibility of T cells to blocking.* **Eur. J. Immunol.**, 1989, 19, 1071-1077. ([Link](#))
- ΔI<sub>ç</sub>. Nagy ZA, Lehmann PV, Falcioni F, Muller S, Adorini L. *Why peptides? Their possible role in the evolution of MHC-restricted T cell recognition.* **Immunol. Today**, 1989, 10, 132-138. ([Link](#))
- Δç. Falcioni F, Dembic Z, Muller S, Lehmann PV, Nagy ZA. *Flexibility of the T cell repertoire. Self tolerance causes a shift of T cell receptor gene usage in response to insulin.* **J. Exp. Med.**, 1990, 171, 1665-1681. ([Link](#))
- ΔçI. Lehmann PV, Schumm G, Moon D, Hurtenbach U, Falcioni F, Muller S, Nagy ZA. *Acute lethal graft-versus-host reaction induced by major histocompatibility complex class II-reactive T helper cell clones.* **J. Exp. Med.**, 1990, 171, 1485-1496. ([Link](#))
- ΔçII. Tary-Lehmann M, Rolink AG, Lehmann PV, Nagy ZA, Hurtenbach U. *Induction of graft versus host-associated immunodeficiency by CD4+ T cell clones.* **J. Immunol.**, 1990, 145, 2092-2098. ([Link](#))
- ΔçIII. Lehmann PV, Drexler K, Tary-Lehmann M, Falcioni F, Hurtenbach U, Nagy ZA. *Graft-versus-host resistance induced by class II major histocompatibility complex-specific T cell clones.* **J. Exp. Med.**, 1991, 173, 333-341. ([Link](#))
- ΔI<sub>ε</sub>. Lehmann PV, Forsthuber T, Miller A, Sercarz EE. *Spreading of T cell autoimmunity to cryptic determinants of an autoantigen.* **Nature**, 1992, 358, 155-157. ([Link](#))
- Δ<sub>ε</sub>. Kaufman DL, Clare-Salzler M, Tian J, Forsthuber T, Ting GS, Robinson P, Atkinson MA, Sercarz EE, Tobin AJ, Lehmann PV. *Spontaneous Loss of T Cell Tolerance to Glutamic Acid Decarboxylase in Murine Insulin-dependent Diabetes.* **Nature**, 1993, 366, 69-72. ([Link](#))
- Δ<sub>ε</sub>I. Lehmann PV, Sercarz EE, Forsthuber T, Dayan CM, Gammon G. *Determinant spreading and the dynamics of the autoimmune T cell repertoire.* **Immunol. Today**, 1993, 14, 203-208. ([Link](#))

- Sercarz EE, Lehmann PV, Ametani A, Benichou G, Miller A, Moudgil K. *Dominance and crypticity of T cell antigenic determinants.* **Annu. Rev. Immunol.**, 1993, 11, 729-766. ([Link](#))
- Benichou G, Fedoseyeva E, Lehmann PV, Olson CA, Geysen HM, McMillan M, Sercarz EE. *Limited T cell response to donor MHC peptides during allograft rejection. Implications for selective immune therapy in transplantation.* **J. Immunol.**, 1994, 153, 938-945. ([Link](#))
- Bhardwaj V, Kumar V, Grewal IS, Dao T, Lehmann PV, Geysen HM, Sercarz EE. *T cell determinant structure of myelin basic protein in B10.PL, SJL/J, and their F1S.* **J. Immunol.**, 1994, 152, 3711-3719. ([Link](#))
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- Tary-Lehmann M, Saxon A, Lehmann PV. *The human immune System in hu-PBL-SCID Mice.* **Immunol. Today**, 1995, 16, 529-533. ([Link](#))
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- Lehmann PV. *Immunomodulation by proteolytic enzymes.* **Nephrol. Dial. Transplant.**, 1996, 11, 952-955. ([Link](#))
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