

## Curriculum Vitae

Name: Nezih Cereb

Office Address: Histogenetics  
300 Executive Blvd  
Ossining, NY 10562

Tel.#: (914) 762-030  
E-mail: nezih@ histogenetics.com  
Fax#: (914) 762-4441

### Cerificates

#### Licensed Physician:

Year:

1991

1997

Place of Issue:

Pennsylvania

New York State

#### Laboratory Director:

Year:

1999

Place of Issue:

New York State

#### Board Certification:

Year:

1992-1999

1994-2001

Name:

American Board of Pediatrics

Pediatric Hematology-Oncology Board

#### Education:

Hacettepe University Faculty of Medicine, 1982, MD, Ankara-Turkey

#### Postdoctoral Training:

Clinical Fellow in Pediatric Hematology-Oncology, Memorial Sloan-Kettering Cancer Center/ Cornell University Medical College-The New York Hospital, NY, NY, 7/1990-6/1993.

PL-1, PL-2, PL-3 Resident in Pediatrics, SUNY Health Science Center at Brooklyn, NY, 7/87-6/90.

Clinical and Research Fellow in Allergy/Clinical Immunology-Dept. of Pediatrics, George University Hospital, Washington, DC, 3/86-6/87.

#### Positions and Appointments:

CEO & Co-founder, Histogenetics.

2001-present

Assistant Professor of Medicine and Oncology, New York Medical College,  
1/1999-3/31/2001.

Attending Physician, Department of Pediatrics, Staten Island University Hospital,  
3/1998-1/1999.

Research Associate, Immunology Program, Sloan-Kettering Institute,  
7/1994-3/1998.

Compulsory Public Health Service in a rural health clinic in Eastern  
Turkey, 8/82-8/83, 12/84-2/86.

Military Doctor in the Turkish Army, 8/83-11/84.

#### Scientific and Medical Societies:

The Transplantation Society

The American Association of Immunologists

#### Honors and Awards:

Winston Fellow in Biomedical Research, 07/01/1993-06/30/1995.  
Memorial Sloan-Kettering Cancer Center NY, NY,

Patents: Methods and Reagents for Typing HLA Class I Genes.  
Patent US serial # 08\577,081. WO: W97/23645.

#### Publications:

##### I. Peer-reviewed Papers

1. Bellanti JA, Sordelli DO, Serquetti MZ, Wan KS, Arias G, Cereb N, Zuba D, Kulcyski L, Morris Hooke A. Live attenuated vaccine against pseudomonas aeruginosa colonization; observation in the experimental animal and the human. Annals of Sclavo. 1986, 3(1-2):247-258.

2. Spielberg H, June C, Cereb N, Nystrom-Rosander C, Deeg HJ. Differential sensitivity of human leukocyte subpopulations to ultraviolet light. Transplant Proc. 1989; (1pt1): 180-181.

3. Spielberg H, June C, Blair OC, Nystrom-Rosander C, Cereb N, Deeg HJ. UV irradiation of wlymphocytes triggers an increase in intracellular Ca<sup>2+</sup> and prevents lectin stimulated Ca<sup>2+</sup> mobilization: Evidence for UV- and Nifedepine sensitive Ca<sup>2+</sup> Channels. Exp. Hematol. 1991; 19: 742-748.

4. Cereb N, and Yang SY. The Regulatory Complex of HLA Class I Promoters Exhibits Locus-specific Conservation with Limited Allelic Variation. J Immunol. 1994; 152: 3873-3883.

5. Cereb N, Lee S, Maye P, Kong Y, and Yang SY. Nonrandom Allelic Variation in The Regulatory Complex of HLA Class I. *Human Immunology*. 1994; 41: 46-51.
6. Cereb N, Choi JW, Lee S, Maye P, and Yang SY. Identification of two new HLA-C alleles, Cw\*1203 and Cw\*1402 from the sequence analysis of seven HLA homozygous cell lines carrying HLA-C blank. *Tissue Antigens*. 1994; 44:193-195
7. Cereb N, Choi JW, Riu KZ, and Yang SY. HLA-B\*5105, a newly identified B51 IEF variant. *Tissue Antigens*. 1994; 44: 271-273
8. Cereb N, Maye P, Lee S, Kong Y, and Yang SY. Locus-specific amplification of HLA class I genes from genomic DNA: locus-specific sequences in the first and third introns of HLA-A, -B, and -C alleles. *Tissue Antigens*. 1995; 45: 1-11.
9. Ragupathi G, Cereb N, and Yang SY. The relative distribution of B35 alleles and their IEF isotypes in a HLA B35+ population. *Tissue Antigens* 1995; 46: 24-31.
10. Cereb N and Yang SY. Induction of microvariant-specific CTL lines reactive to a single amino acid mismatch in bulk cultures using a transfectant expressing a single HLA class I molecule. *J Immunol*. 1996; 156:18-26.
11. Cereb N, Maye P, Lee S, Kong Y, and Yang SY. Nucleotide sequences of MHC class I introns 1, 2, and 3 in humans and intron 2 in nonhuman primates. *Tissue Antigens*. 1996; 47:498-511.
12. Cereb N, Hughes A, Yang SY. Cw\*1701, A new HLA-C allelic lineage with an unusual transmembrane domain. *Tissue Antigens* 1997; 49:252-255.
13. Cereb N, Kim C, Hughes A, Yang SY. Molecular Analysis of HLA-B35 Alleles and their relationship to HLA-B15 alleles. *Tissue Antigens* 1997, 49:389-96.
14. Cereb N and Yang SY. Dimorphic Primers Derived From Intron 1 For Use In The Molecular Typing of HLA-B Alleles. *Tissue Antigens* 1997; 50:74-76..
15. Cereb N, Hughes A, Yang SY. Locus-specific conservation of HLA class I introns by intra-locus homogenization. *Immunogenetics*; 1997;47:30-6.
16. Mullen AC, High FA, Hutchins AS, Lee HW, Villarino AV, Livingston DM, Kung AL, Cereb N, Yao T-P, Yang SY, Reiner SL. Role of T-bet in commitment of Th1 cells before IL-12-dependent selection. *Science* 292, 1907-1910. 2001.
17. Mullen AC, Hutchins AS, Villarino AV, Lee HW, High FA, Cereb N, Yang SY, Yao T-P, Reiner SL. Cell cycle controlling the silencing and functioning of mammalian activators. *Current Biology* 11, 1-20, 2001.
18. Noreen HJ, Yu N, Setterholm M, Ohashi M, Baisch J, Endres R, Fernandez-Vina M, Heine U, Hsu S, Kamoun M, Mitsuishi Y, Monos D, Perlee L, Rodriguez-Marino S, Smith A, Yang

SY, Shipp K, Hegland J, Hurley CK. Validation of DNA-based HLA-A and HLA-B testing of volunteers for a bone marrow registry through parallel testing with serology. *Tissue Antigens*, 57: 221-9. 2001.

19. Afkarian M, Sedy JR, Yang J, Jacobson NG, Cereb N, Yang SY, Murphy TL, Murphy KM. T-bet is a STAT1-induced regulator of IL-12R expression in naive CD4<sup>+</sup> T cells. *Nat Immunol*, 3:549-57, 2002.

20. Erika L. Pearce, Alan C. Mullen, Gislaine A. Martins, Connie M. Krawczyk, Anne S. Hutchins, Valerie P. Zediak, Monica Banica, Catherine B. DiCioccio, Darrick A. Gross, Chai-an Mao, Hao Shen, Nezih Cereb, Soo Y. Yang, Tullia Lindsten, Janet Rossant, Christopher A. Hunter, and Steven L. Reiner. Control of Effector CD8<sup>+</sup> T Cell Function by the Transcription Factor *Eomesodermin*. *Science*; 302: 1041-1043, 2003.

## II. Monograms

1. Cereb N, Xiao H, Muthaura P, Yang SY. The alloreactive CTL response to a single alloantigen involves CTL clones with diverse specificities. In: Charron D, ed. *Genetic Diversity of HLA: Functional and Medical Implications*, vol II. Paris: EDK, 1997:513-515.

2. Lee JL, Kim DS, Maye P, Cereb N, Yang SY. Variations in HLA Class I promoter sequences and differential regulation of HLA-A, -B, and -C alleles. In: Charron D, ed. *Genetic Diversity of HLA: Functional and Medical Implications* vol II. Paris: EDK, 1997:292-294.

## IV. Abstracts

1. Cereb N, Yang SY. An *in vitro* model to study alloreactivity between MHC class I micromismatches [Abstract]. *Hum Immunol* 1993; 37. 67:40.

2. Cereb N, Yang SY. Locus specific diversity of the regulatory complex of HLA class I promoter exhibits limited allelic variations [Abstract]. *Blood* 1993; 82. 968:246a.

3. Cereb N, Yang SY. Microvariant-specific CTL lines can be generated in bulk cultures using transfectants expressing single HLA class I antigens [Abstract]. *Blood* 1994; 82. 123:2a

4. Cereb N, Yang SY. The Regulatory complex of HLA class I promoters exhibits locus specific conservation with limited allelic variation [Abstract]. Hum Immunol 1994; 39. 123:2a.
5. Cereb N, Maye P, Lee S, Kong Y, and Yang SY. Polymorphism of introns 1, 2, and 3 of HLA class I genes [Abstract]. Eur. J. Immunogenetics 1995; 22. (2):3.
6. Cereb N, Maye P, Lee S, Kong Y, and Yang SY. Locus-specific amplification of HLA class I genes from genomic DNA [Abstract]. Eur. J. Immunogenetics 1995; 22. (176):91.
7. Lee JL, Kim DS, Maye P, Cereb N, and Yang SY. Comparative analysis of HLA class I promoter variations for promoter enhancing activity [Abstract]. Hum Immunol 1995; 44. 171:256a.
8. Cereb N, Hughs A, Yang SY. A dual evolutionary process shapes the HLA class I genes [Abstract]. Hum Immunol 1995; 44. 39: 2.4.
9. Cereb N and Yang SY. Enhanced resolution of oligotyping for HLA-B alleles by using group-specific primers derived from dimorphic sites in intron 1 [Abstract]. Hum Immunol 1995; 44. 153:221a.
10. Cereb N and Yang SY. Alloreactive CTL response to a single alloantigen involves CTL clones with diverse specificities [Abstract]. Blood 1995; 86. 621:158a.
11. Cereb N, Kaneko M, and Yang SY. Comparative analysis of routine typing data for HLA-A and HLA-B from PCR-SSO, IEF, and serology tests in a clinical laboratory [Abstract]. Hum Immunol 1996; 47. 45: P232.
12. Lee JL, Kim DS, Maye P, Cereb N, Yang SY. Variations in HLA Class I promoter sequences and differential regulation of HLA-A, -B, and -C alleles. [Abstract]. Hum Immunol 1996; 47. 11:O38.