

CURRICULUM VITAE

May, 2004

NAME: BOZENA M. CELNIK, M.D., N. D.

EDUCATION:

B.S.	New York City College, NY Medical Technology & Chemistry 1979
M.D.	Saint Lucia Health Science University Charter School in El Paso, TX 1984
N.D.	National College of Naturopathic Medicine Portland, OR 1998

PRESENT POSITION: Primary Care Physician
Health For Life Clinic
General Practice
6205 Carman Drive
Lake Oswego, OR

503-699-0600

Dr Celnik is a naturopathic practitioner. She blends modern diagnostic and therapeutic procedures with traditional methods, including nutrition, botanical medicine and homeopathy. Her goal with the Health For Life Clinic is to change the view of medicine-to one of good health based on balancing modern science, tradition and Mother Nature. She works from the perspective of understanding patients as people-to understand the individual and how natural therapies will benefit them from the cellular-level up.

She has appeared on both television and radio, including OPB's Frontline and KOIN6. Bringing a social consciousness to her work and personal life, she frequently lectures on preventive medicine, weight management, hormonal imbalance, women's health and public health concerns.

ROTATIONS

& REVIEW COURSES:

Rotation in family practice
Warm Springs Indian Reservation
Warm Springs, OR
1984

Rotation in psychiatry
Dammach State Hospital
Wilsonville, OR
1984

Providence Medical Center, Portland, OR
Internal Medicine Review Course
1/93 - 6/93 24 credit hours
1/94 - 6/94 24 credit hours
1/95 - 6/95 40 credit hours

PREVIOUS POSITIONS/EXPERIENCE:

- 1974-76 Medical Technologist, Brookdale Hospital, Brooklyn, NY
Biostatistical studies, pediatric chemistry, microbiology, parasitology and immunology.
- 1976-78 Medical Technologist, Whycoff Heights Hospitals Brooklyn, NY
Biostatistical studies on acquired infectious diseases in a hospital environment, proficiency testing in microbiology, parasitology and immunology.
- 1978-80 Assistant Laboratory Supervisor, HIP Laboratory, Long Island City, NY
Supervising quality control, proficiency tests in microbiology and immunology, sperm analysis for infertility, lab supervisor over 13 technicians.
- 1981-84 Medical Technologist, Providence Memorial Hospital, El Paso, TX
Processing and identifying specimens in microbiology, hematology, parasitology and urinalysis.
- 1984-86 Senior Research Associate, Dept. of Cell Biology and Anatomy, Oregon Health Sciences University, Portland, OR. Study of exotoxin and endotoxin effects on pathogenicity of Salmon populations. Analysis of data, writing reports, antibiotic studies, endotoxin study correlating microorganisms to mortality.
- 1987-98 Senior Research Associate, Dept. of Neuroimmunology, Veterans Administration Medical Center, Portland, OR. Conducted research on animal models and human studies in a collaborative research program on the immunology of Multiple

Sclerosis. Multiple articles were published in peer reviewed journals as a result of this research. Contributed to underlying theory, experimental design, analysis of data, and preparation of manuscripts. Presented at professional conferences.

1994-96 Volunteer at Multnomah County Health Department, Westside Health Clinic, Portland , OR. Physical exams and patient assessment, performed laboratory tests: strep test, urine analysis, gram stain, interpreting slides after staining, EKG's. Educate patients on preventive health care and health maintenance.

LICENSING: Oregon Naturopathic Physician License
Washington Naturopathic Physician License
Medical Technologist, New York State
Specializing in Microbiology, Immunology, Hematology, Urinalysis, Chemistry, Endocrinology, Toxicology (special chemistry), Parasitology

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:
American Naturopathic Medical Association
Multiple Sclerosis Society
Naturopatic Academy of Therapeutic Injection

LANGUAGES: Fluent in English, Russian, Polish, and Spanish

AWARDS: 1998 Nominee from Oregon to International Chapter P.E.O. Sisterhood

PARTICIPATION & CERTIFICATION: NATIONAL AND INTERNATIONAL MEETINGS:

- 2002 *Genomics in Primary Care Medicine*
American Academy of Environmental Medicine
- 2002 *Advances in Managing Chronic Illness-Environmental Toxicity*
Metagenics Educational Programs
- 2002 *Nutritional Approaches to Stress-Induced Disorders*
Metagenics Educational Programs
- 2002 *The Brain-Gut Connection*, Integrative Therapeutics, Inc
- 2002 *Nutritional Management of Perimenopause/Menopause*
Metagenics Educational Programs
- 2002 *Integrative Naturopathic Cancer Care*
Cancer Treatment Centers of America
- 2003 *Introduction to Homotoxicology*
Society of Homotoxicology of North America
- 2003 *Improving Health Outcomes Through Nutritional Support for Metabolic Biotransformation*
University of Bridgeport

- 2003 *Integrative Approaches to the Management of Chronic Pain and Fatigue*
Metagenics Educational Programs
- 2003 *Functional Approaches to Resolving Chronic Health Disorders*
Metagenics Educational Programs
- 2003 *Managing Menopause, Mid-Life and Other Estrogen Related Issues in Women's Health*-University of Bridgeport

PUBLICATIONS:

Journal Articles

1. Celnik B. Etiology of early life diseases. Canadian Fish Disease Journal, 1986.
2. Sauter RW, Williams C, Meyer EA, Celnik B, Banks JL, and Leith DA. A study of bacteria present within unfertilized salmon eggs at the time of spawning and their possible relation to early life stage disease. J. Fish Dis. 10:193-203, 1987.
3. Offner H, Jones R, Celnik B and Vandembark AA. Lymphocyte vaccination against experimental autoimmune encephalomyelitis: Evaluation of vaccination protocols. J. Neuroimmunol. 21:13-22, 1988.
4. Offner H, Hashim GA, Celnik B, Galang A, Li X, Burns FR, Shen N, Heber-Katz E, and Vandembark AA. T cell determinants of myelin basic protein include a unique encephalitogenic I-E-restricted epitope for Lewis rats. J. Exp. Med. 170:355-367, 1989.
5. Vandembark AA, Hashim GA, Celnik B, Galang A, Li X, Heber-Katz E, and Offner H. Determinants of human myelin basic protein that induce encephalitogenic T cells in Lewis rats. J. Immunol. 143:3512-3516, 1989.
6. Offner H, Celnik B, Bringman TS, Casentini-Borocz D, Nedwin GE, and Vandembark AA. Recombinant human β -Galactoside binding lectin suppresses clinical and histological signs of experimental autoimmune encephalomyelitis J. Neuroimmunol. 28:177-184, 1990.
7. Vainiene M, Gold DP, Celnik B, Hashim GA, Vandembark AA, and Offner H. Common sequence on distinct V β genes defines a protective idiotope in experimental encephalomyelitis. J. Neurosci. Res. 31:413-420, 1992.
8. Offner H, Vainiene M, Gold DP, Celnik B, Wang RY, Hashim GA, and Vandembark AA. Characterization of the immune response to a secondary encephalitogenic epitope of basic protein in Lewis rats. I. TCR peptide regulation of T cell clones expressing cross-reactive V β genes. J. Immunol. 148:1706-1712, 1992.

9. Gold DP, Vainiene M, Celnik B, Wiley S, Gibbs C, Hashim GA, Vandembark AA, and Offner H. Characterization of the immune response to a secondary encephalitogenic epitope of basic protein in Lewis rats. II. Biased TCR V β expression predominates in spinal cord infiltrating T cells. *J. Immunol.* 148:1712-1717, 1992.
10. Vandembark AA, Vainiene M, Celnik B, Hashim GA, and Offner H. TCR peptide therapy decreases the frequency of encephalitogenic T cells in the periphery and the central nervous system. *J. Neuroimmunol.*, 39:251-260, 1992.
11. Offner H, Buenafe AC, Vainiene M, Celnik B, Weinberg AD, Gold DP, Hashim G, and Vandembark AA. Where, when, and how to detect biased expression of disease-relevant V β genes in rats with experimental autoimmune encephalomyelitis. *J. Immunol.* 151:506-517, 1993.
12. Weinberg AD, Wyrick G, Celnik B, Vainiene M, Bakke A, Offner H, and Vandembark AA. Lymphokine mRNA expression in the spinal cords of Lewis rats with experimental autoimmune encephalomyelitis is associated with a host recruited CD45R^{hi}/CD4⁺ population during recovery. *J. Neuroimmunol.* 48:105-118, 1993.
13. Weinberg AD, Celnik B, Vainiene M, Buenafe AC, Vandembark AA, and Offner H. The effect of TCR V β 8 peptide protection and therapy on T cell populations isolated from the spinal cords of Lewis rats with experimental autoimmune encephalomyelitis. *J. Neuroimmunol.* 49:161-170, 1994.
14. Buenafe AC, Vainiene M, Celnik B, Vandembark AA, and Offner H. Analysis of V β 8-CDR3 sequences derived from central nervous system of Lewis rats with experimental autoimmune encephalomyelitis. *J. Immunol.* 153 :386-394, 1994.
15. Vandembark AA, Vainiene M, Celnik B, Hashim GA, Buenafe A, and Offner H. Definition of encephalitogenic and immunodominant epitopes of guinea pig myelin basic protein (Gp-BP) in Lewis rats tolerized neonatally with Gp-BP or Gp-BP peptides. *J. Immunol.* 153:852-861, 1994.
16. Offner H, Vainiene M, Celnik B, Weinberg AD, Buenafe A, and Vandembark AA. Coculture of TCR peptide-specific T cells with basic protein-specific T cells inhibits proliferation, IL-3 mRNA, and transfer of experimental autoimmune encephalomyelitis. *J. Immunol.* 153:4988-4996, 1994.

17. Offner H, Malotky MKH, Pope L, Vainiene M, Celnik B, Miller SD, and Vandembark AA. Increased severity of experimental autoimmune encephalomyelitis in rats tolerized as adults but not neonatally to a protective TCR V β 8 CDR2 idiotope. *J. Immunol.* 154:928-935, 1995.
18. Buenafe AC, Vainiene M, Celnik B, Vandembark AA, and Offner H. Analysis of V β 8.2 CDR3 sequences from spinal cord T cells of Lewis rats vaccinated or treated with TCR V β 8.2-39-59 peptide. *J. Immunol.* 155:1556-1564, 1995.
19. Vandembark AA, Celnik B, Vainiene M, Miller SD, and Offner H. Myelin AG-coupled splenocytes suppress experimental autoimmune encephalomyelitis in Lewis rats through a partially reversible anergy mechanism. *J. Immunol.* 155:5861-5867, 1995.
20. Weinberg AD, Lemon M, Jones AJ, Vainiene M, Celnik B, Buenafe AC, Culbertson N, Bakke A, Vandembark AA, and Offner H. The OX-40 antibody enhances for auto antigen specific V β 8.2+ T cells within the spinal cord of Lewis rats with autoimmune encephalomyelitis. *J. Neurosci. Res.* 43:42-49, 1996.
21. Vainiene M, Celnik B, Vandembark AA, Hashim GA, and Offner H. Natural immunodominant and EAE-protective determinants within the Lewis rat V β 8.2 sequence include CDR2 and framework 3 idiotopes. *J. Neurosci. Res.* 43:137-145, 1996.
22. Burrows GG, Ariail K, Celnik B, Gambiae JE, Bebo Jr. BF, Offner H, and Vandembark AA. Variation in H-2Kk peptide motif revealed by sequencing naturally processed peptides from T cell hybridoma class I molecules. *J. Neurosci. Res.* 45:803- 811, 1996.
23. Burrows GG, Ariail K, Celnik B, Gambiae JE, Offner H, and Vandembark AA. Multiple class I motifs revealed by sequencing naturally processed peptides eluted from rat T cell MHC molecules. *J. Neurosci. Res.* 49:107-116, 1997.

Abstracts

1. Offner H, Hashim G, Chou Y, Celnik B, Jones R and Vandembark A. Encephalitogenic T cell clones with variant receptor specificity. Abstracts of the UCLA Symposia on Molecular and Cellular Biology. *J. Cell. Biol.[Suppl 13A]:*279, 1989.

2. Offner H, Hashim G, Chou YK, Celnik B, Jones R and Vandembark AA. Encephalitogenic T cell clones with variant receptor specificity. Transactions of the American Society for Neurochemistry 20:223, 1989.
3. Offner H., Hashim GA, Celnik B, Heber-Katz E, and Vandembark AA. T cell determinants of myelin basic protein include a unique encephalitogenic I-E restricted epitope for Lewis rats. J Leukocyte Biology 46:294, 1989.
4. Buenafe AC, Vainiene M, Celnik B, Weinberg AD, Vandembark AA, and Offner H. V β expression in spinal cord and CSF of Lewis rats during the course of experimental autoimmune encephalomyelitis (EAE). Joint Meeting of the American Association of Immunologists and The Clinical Immunology Society. J. Immunol. Abstracts 150(8)Part II:161A, 1993.
5. Vainiene M, Celnik B, Buenafe AC, Weinberg AD, Vandembark AA, and Offner H. Biased expression of disease-relevant V β genes in rats with EAE. XVth World Congress of Neurology. Can. J. Neurol. Sci., 20(Suppl. 4):S133, 1993.
6. Celnik B, Vainiene M, Vandembark AA, and Offner H. Anergy induced in vitro by TCR V β 8.2 (39-59) peptide specific T cells in EAE. XVth World Congress of Neurology. Can. J. Neurol. Sci. 20(Suppl. 4)S100, 1993.
7. Buenafe AC, Vainiene M, Celnik B, Vandembark AA, and Offner H. V β 8-CDR3 sequences from CNS of Lewis rats with EAE. FASEB, 1994.
8. Offner H, Vainiene M, Celnik B, Buenafe A, Weinberg A, and Vandembark AA. TCR peptide-specific T cells inhibit activation of encephalitogenic T cells. International Society of Neuroimmunology, 4th International Congress, 1994.
9. Offner H, Malotky MKH, Pope L, Vainiene M, Celnik B, Miller SD, and Vandembark AA. Effects of tolerance to TCR peptides in EAE. American Society for Neurochemistry, 1995.
10. Buenafe AC, Vainiene M, Celnik B, Vandembark AA, and Offner H. EAE-associated V β 8.2 sequences are present in the CNS of Lewis rats treated and protected with V β 8 CDR2 peptide. FASEB, 1995.

Acknowledgments in Publications

1. Vandembark AA, Chou YK, Chilgren J, Bourdette D, Whitham R, Chou CH-J, Konat G, Vainiene M, and Offner H. Human T lymphocyte response to myelin basic protein (MBP): Selection of T lymphocyte lines from MBP responsive donors. *J. Neurosci. Res.* 23:21-30, 1989.
2. Chou YK, Vainiene M, Whitham R, Bourdette D, Chou CH-J, Hashim GA, Offner H, and Vandembark AA. Response of human T lymphocytes to myelin basic protein: Association of dominant epitopes with HLA Class II restriction molecules. *J. Neurosci. Res.* 23:207-216, 1989.
3. Vandembark AA, Hashim GA, and Offner H. Immunization with a synthetic T cell receptor V region peptide protects against experimental autoimmune encephalomyelitis. *Nature* 341:541-544, 1989.
4. Bourdette DN, Turner MJ, Vandembark AA, and Offner H. Characterization of basic protein-specific T cell lines selected from Lewis rats with relapsing experimental autoimmune encephalomyelitis. *J. Neuroimmunol.* 26:81-85, 1990.
5. Chou YK, Henderikx P, Vainiene M, Whitham R, Bourdette D, Chou CH-J, Hashim G, Offner H, and Vandembark AA. Specificity of human T cell clones reactive to immunodominant epitopes of myelin basic protein. *J. Neurosci. Res.* 28:280-290, 1991.
6. Offner H, Vainiene M, Gold DP, Morrison WJ, Wang R-Y, Hashim GA, and Vandembark AA. Protection against experimental encephalomyelitis. Idiotypic auto regulation induced by a nonencephalitogenic T cell clone expressing a cross-reactive T cell receptor V gene. *J. Immunol.* 146:4165-4172, 1991.
7. Bourdette DN, Vainiene M, Morrison W, Jones R, Turner MJ, Hashim GA, Vandembark AA, and Offner H. Myelin basic protein specific T cell lines and clones derived from the CNS of rats with EAE only recognize encephalitogenic epitopes. *J. Neurosci. Res.* 30:308-315, 1991.
8. Weinberg AD, Whitham R, Swain SL, Morrison WJ, Wyrick G, Hoy C, Vandembark AA, and Offner H. Transforming growth factor- β enhances the in vivo effector function and memory phenotype of antigen-specific T helper cells in experimental autoimmune encephalomyelitis. *J. Immunol.* 148:2109-2117, 1992.

9. Chou YK, Bourdette DN, Offner H, Whitham R, Wang R-Y, Hashim GA, and Vandenberg AA. Frequency of T cells specific for myelin basic protein and myelin proteolipid protein in blood and cerebrospinal fluid in multiple sclerosis. *J. Neuroimmunol.* 38:105-114, 1992.
10. Chou YK, Henderikx P, Jones RE, Kotzin B, Hashim GA, Offner H, and Vandenberg AA. Human CD8⁺ T cell clone regulates autologous CD4⁺ myelin basic protein specific T cells. *Autoimmunity* 14:111-119, 1992.
11. Vandenberg AA, Hashim G, and Offner H. TCR peptide therapy in autoimmune diseases. *Intern. Rev. Immunol.* 9:251-276, 1993.
12. Morrison WJ, Kennedy NJ, Offner H, and Vandenberg AA. Effects of anti-CD4 antibody: Enhancement of lymph node PPD-memory T cell response. *Cell. Immunol.* 163:106-112, 1995.