

Dr. N. Dainiak...C.V.

CURRICULUM VITAE

Nicholas Dainiak, M.D., F.A.C.P.

EDUCATION:

Fairfield University, Fairfield, CT (B.S. Biology)

Loyola University-Stritch School of Medicine, Maywood, IL (M.D.)

EXECUTIVE EDUCATION:

Greeley Workshop:Peer Review for Today: Practical Solutions to Make Peer Review Effective, Efficient and Fair, October 2007 Chicago, IL.

TJC Medical Staff Standards, Connecticut Hospital Association, November 2008 Hartford, CT.

21st Century Leadership, Institute of Excellence, Yale New Haven Health, February 2008 New Haven, CT.

Physician Leadership Development Program, Yale School of Management, April 16, 22, 23, May 14, June 4, 2010 New Haven, CT.

Greeley Workshop- CMO-VPMA Retreat- How to Succeed in the Toughest Job in Healthcare, June 2011 New York, NY.

Greeley Seminar/Workshop – The Credentialing Solution, January 2012 Palm Springs, CA.

Horty-Springer – The Complete Course for Medical Staff Leaders, January 2013 Naples, FL.

PROFESSIONAL EXPERIENCE:

Intern, Internal Medicine, Albany Medical College, Albany, NY.

Resident, Internal Medicine, Albany Medical College, Albany, NY.

Fellowship, Hematology, Yale University School of Medicine, New Haven, CT.

Clinical Instructor in Hematology, Department of Internal Medicine, Yale University School of Medicine, New Haven, CT.

Staff Physician, Division of Hematology/Oncology, Dept. of Biomedical Research, St. Elizabeth's Hospital, Assistant

Professor of Medicine, Tufts University School of Medicine, Boston, MA.

Associate Professor of Medicine, Tufts University School of Medicine, Boston, MA.

Chief, Division of Clinical Research, St. Elizabeth's Hospital, Boston, MA.

Co-organizer, Tufts Medical School Hematology Course for 1st and 2nd year Medical Students.

Director, Hematology/Oncology Training Program, St. Elizabeth's Hospital, Boston, MA. Scientific Director, Bone Marrow Transplant Program, University of Connecticut Health Center; Associate Medical Director, Connecticut Region Red Cross, Farmington, CT.
Professor of Medicine and Laboratory Medicine, University of Connecticut School of Medicine, Farmington, CT.
Graduate Faculty, Developmental Biology Graduate Program in Biomedical Sciences, University of Connecticut.
Director, Connecticut Cancer Institute, University of Connecticut Health Center, Farmington, CT.
Professor of Medicine, McGill University, School of Medicine, Montreal, Quebec, Canada.
Louis Lowenstein Chair of Hematology/Oncology, McGill University, Montreal, Quebec, Canada.
Director, Division of Hematology/Medical Oncology, Royal Victoria Hospital, McGill University, Montreal, Quebec, Canada.
Adjunct Professor of Medicine, McGill University, Montreal, Quebec, Canada
Chairman, Department of Medicine, Yale New Haven Health-Bridgeport Hospital, Bridgeport, CT.
Clinical Professor of Medicine, Department of Internal Medicine, Yale University School of Medicine, New Haven, CT.
Medical Director, Norma F. Pfreim Breast Care Center, Fairfield, CT.
Member, Extramural Teaching Faculty, Radiation Emergency Assistance Center/Training Site, Oak Ridge, TN.
Director, State of Connecticut Biodosimetry Laboratory, Yale University School of Medicine, New Haven, CT.
Medical and Technical Director, Radiation Emergency Assistance Center and Training Site (REAC/TS), Oak Ridge, TN. Clinical Professor, Department of Therapeutic Radiology, Yale University School of Medicine, New Haven, CT.

AWARDS and HONORS:

Headmaster's Scholarship, Fairfield University, Fairfield, CT.
Alpha Epsilon Delta, Fairfield University, Fairfield, CT.
Alpha Sigma Nu, Loyola University Stritch School of Medicine, Chicago, IL.
Member, American Society of Clinical Investigation. Member, Hematology Study Section, NIH, USPHS.
Teaching Attending of the Year, St. Elizabeth's Hospital, Boston, MA. Ortho Biotech Research Award.
Member, NIDDK Study Section for Training Grants, Conference Grants, CIAs and PSAs, NIH, USPHS.
President, East Coast Hematology Organization.
Citation, Leukemia Society of America.
John D. Thompson Award for Use of Data, Connecticut Hospital Association.
Member, Belarus National Academy of Sciences.
Ambassador Award, Congressional Palace of Montreal, Quebec, Canada.
Invited Fellow, American College of Physicians for Contributions to Specialty as a clinician, educator, scholar & leader of Internal Medicine.
House Staff Support and Teaching Award, Yale New Haven Health – Bridgeport.

SCIENTIFIC JOURNAL REVIEWS AND EDITORSHIPS:

Experimental Hematology, Editorial Board (1994-97).

Guest Editor, Radiation Response, Experimental Hematology (2003).

Guest Editor, Pathophysiology and Molecular Biology of Hematopoiesis, Malignancy and Radiation Response, Experimental Hematology (2007).

Editorial and Scientific Committee, International Journal of Low Dose Radiation (2010).

Guest Editor, Health Effects of Ionizing and Non-ionizing Radiation, Encyclopedia of Environmental Health (2011).

Review 5-10 manuscripts annually for Blood, New England Journal of Medicine, Journal of Clinical Investigation, Radiation Research, Health Physics, Disaster Medicine and Public Health Preparedness, Dose Response, Chest, PLOS ONE and other national/international journals.

SELECTED RECENT INVITED LECTURES:

- 2001 Advanced Research Workshop on Protracted, Intermittent or Chronic Irradiation: Biological Effects and Mechanisms of Tolerance, European Atomic Energy Commission, Ulm, Germany.
- 2002 Hematologic Malignancies and the Marrow Microenvironment Workshop, NIH, Bethesda, MD.
- 2003-15 Lecturer for REAC/TS (Radiation Emergency Assistance Center/Training Site) Course: Advanced Radiation Medicine, March and September Annually, Oak Ridge, TN. Topics: Medical Management of ARS, Combined Injury, Transplantation, Infectious Complications.
- 2004 Coordinator and Speaker, Educational Session: Role of the Hematologist in Management of Radiation Casualties, American Society of Hematology Annual Meeting, San Diego, CA.
- 2005 34th Annual Dr. William Dameshek Symposium for Leukemia and Related Cancers, Health Care Workers and Hospital Response to Nuclear and Bio-terrorism, Leukemia and Lymphoma Society, Wichita, KS.
- 2006 Force Health Protection Conference, Rationale for Treatment of Radiation Injury with Cytokines, Albuquerque, NM.
- 2006 Coordinator and Speaker, Educational Program, Mitigation of Radiation Injury, American Association of Blood Banks (AABB) Annual Meeting, Miami, FL.
- 2007 Nuclear Medicine Defense Conference, Homeland Response to Malevolent Use of Radioactive Material, Bundeswehr Inst Radiobiology, Munich, Germany.
- 2007 Development of Advanced Training Course on Management of Radiation Injured Individuals, WHO and EBMT, Ulm, Germany.
- 2007 World Health Organization Consultation for Stockpile for Radiation and Chemical Emergencies, Geneva, Switzerland.
- 2007 NASA, Medical Treatment of Radiological Emergencies, Houston, TX.
- 2007 NASA, Ames Research Center, Multivariate Analysis of Human Cytokine Gene Expression after Radiation Exposure, Mountain View, CA.
- 2008 7th Annual International Conference, Dose-Response 2008: Implications for Toxicology, Medicine and Risk Assessment, Local, regional and national responses for medical management of a radiological/nuclear incident, Amherst, MA.

- 2009 Armed Forces Radiobiology Research Institute/National Cancer Institute, Practicality of Dicentric Assay in a Mass Casualty Exposure, Bethesda, MD.
- 2010 Developing DHS and U.S. Hospital Plans for Radiation Emergencies, Expert Course on Management of Radiological and Nuclear Events, Stockholm, Sweden.
- 2011 Data Sources and Low-Dose Radiation Response Modeling, Workshop on Biological Consequences and Health Risks of Low-Level Exposure to Ionizing Radiation, Richland, WA.
- 2011 Global Consensus on Evidence-Based Management of Acute Radiation Syndrome, 5th International REAC/TS Symposium on the Medical Basis for Radiation Accident Preparedness, Miami, FL.
- 2011 Statewide Planning for Radiological Emergencies in Connecticut, Centers for Disease Control and Prevention Conference on Bridging the Gap: Public Health and Radiation Emergency Preparedness, Atlanta, GA.
- 2011 Evidence-Based Management of Acute Radiation Syndrome, Radiation Injury Treatment Network State of the Science Workshop: Radiation Exposure, Medical Countermeasures and Treatment, Chicago, IL.
- 2011 Discussant, National Alliance for Radiation Readiness, (NARR), Fukushima After Action Meeting, Washington, DC.
- 2012 International Consensus on the Clinical Management of Radiation-Associated Injury to the Hematopoietic System, French Army Biomedical Research Institute Radiobiological Workshop, Paris, F France.
- 2013 Guest Speaker, Food and Drug Administration (FDA), Joint Meeting of the Medical Imaging Drugs Advisory Committee (MIDAC) and the Oncologic Drugs Advisory Committee (ODAC), Recommendation for Approval of On-Label Status for Use of cytokines in Radiation Incidents, Washington, D.C.
- 2013 Challenge CBRN Medical Defense International Conference on Radiation Topics, ConRad 2013, Munich, Germany.
- 2014 *Plenary Session Speaker*, Microvesicles, intercellular signaling and the radio-response, 60th Annual Meeting of the Radiation Research Society, Las Vegas, NV.
- 2014 *Special Session Speaker*, Radiation Biodosimetry, 60th Annual Meeting of the Radiation Research Society, Las Vegas, NV.
- 2015, 2017 *Invited Speaker and Chair*, ConRad2015 and ConRad2017, 21st and 22nd Nuclear Medical Defense Conferences, Global Conference on Radiation Topics, Munich, Germany.
- 2015 *Invited Speaker*, Symposium on Health Risks from Low Doses and Low Dose-Rates of Ionizing Radiation, 60th Annual Meeting of the Health Physics Society, Indianapolis, IN.
- 2016 *Invited Speaker*, National Academies of Sciences, Engineering and Medicine, Workshop on Adopting the International System of Units for Radiation Measurements in the United States, Washington, D.C.
- 2017 *Invited Plenary Speaker*, Research Center for Radiation Disaster Medical Science, Hiroshima, Japan.
- 2017 *Special Session Speaker*, American Academy of Health Physics, 62nd Annual Meeting of the Health Physics Society, Raleigh, NC.
- 2018 *Invited Speaker and Moderator*, RNCN/NIAID/RITN Meeting on Growth Factors and Other Cytokines for Treatment of Injuries During a Radiation Public Health Emergency, Washington, DC.
- 2018 *Invited Speaker and Chair*, IRBA Scientific Meeting, Paris, France.

- 2018 *Invited Speaker and Chair*, American Nuclear Society & Health Physics Society Joint Topical Meeting, Applicability of Radiation-Response Models to Low Dose Protection Standards, TriCities, WA.
- 2018 *Invited Speaker*, The 6th International Expert Course on Medical Management of Radiological and Nuclear Events, Stockholm, Sweden
- 2019 *Invited Speaker*, Fukushima Global Medical Science Center, Fukushima Medical University, Fukushima, Japan

ABSTRACTS PRESENTED AT NATIONAL AND INTERNATIONAL MEETINGS:

1. N Dainiak, R Hoffman, L Maffei: The role of androgenic steroids in the therapy of bone marrow failure states: in vitro evidence. Clin Res 717A, 1978. (Presented at AFCR-Eastern Section, Boston, October, 1978).
2. R Hoffman, N Dainiak, LA Maffei, et al: In vitro hormonal stimulation of human marrow and cord blood erythropoietic burst-forming units (BFU-E). (Presented at AFCR National Meeting, Washington, DC, May, 1978). Clin Res 26:504A, 1978.
3. N Dainiak, JA Hardin, R Hoffman: Humoral suppression of erythroid precursors in connective tissue disorders. (Presented at AFCR National Meeting, Washington, DC, April, 1979). Clin Res 27:323A, 1979.
4. AK Ritchey, R Hoffman, N Dainiak, et al: (Presented at AFCR National Meeting, Washington, DC, 1979). Studies in Diamond-Blackfan anemia: the influence of dexamethasone and antithymocyte globulin (ATG) on bone marrow erythroid colony formation. Ped Res 1979. (Presented at Society for Pediatric Research, Atlanta, May, 1979)
5. N Dainiak, V Floyd, R. Hoffman: Studies of the pathogenesis of the anemia of malignancy. Exp Hematol 8 (7):89, 1980. Presented at the International Society for Experimental Hematology, Dallas, August, 1980).
6. N Dainiak, CM Cohen, M Callahan: Suppression of erythroid precursors by membrane vesicles from lymphocyte-conditioned media (LCM) in lymphoproliferative disorders (LPD). Clin Res 28:(3) 635A, 1980, (Presented at AFCR, Boston, October, 1980).
7. M Kalmanti, J Martino, MC Dewey, N Dainiak: Use of a clonal assay system to predict therapeutic response to steroids in the anemia of chronic renal failure. ASN 21a, 1980. (Presented at American Society of Nephrology, Washington, DC, November, 1980).
8. AK Ritchey, N Dainiak, R Hoffman (Sponsored by Diane Komp): In vitro studies of the pathogenesis of transient erythroblasto-penia of childhood (TEC). Ped Res 1981. (Presented at Society for Pediatric Research, Atlanta, May, 1981).
9. N Dainiak, CM Cohen: Lymphocyte membrane vesicles stimulate the proliferation of human erythroid progenitor cells. J Cell Biol 91 (2):201a, 1980, (Presented in Anaheim, ASCB, November, 1981).
10. M Kalmanti, N Dainiak, G Davies, MC Dewey: Stimulation of in vitro erythropoiesis by secretory products from platelets. (Presented at the International Soc Hematol, Athens, Greece, August, 1981).

11. N Dainiak, G Davies, M Kalmanti, J Lawler: Platelet derived growth factor (PDGF) is a regulator of erythroid progenitor cell proliferation in culture. *Blood* 58 (5):95a, 1981. (Presented in San Antonio, ASH, December, 1981)
12. M Kalmanti, T Kalmantis, N Dainiak: Defective colony stimulating factor production by monocytes of a patient with systemic lupus erythematosus and granulocytopenia. (Presented at ISEH, Budapest, August, 1982).
13. T Kalmantis, M Kalmanti, N Dainiak: Erythropoietin independent primary "pure" erythrocytosis: a new syndrome? (Presented at ISEH, Budapest, August, 1982).
14. N Dainiak, CM Cohen: Vesicles derived from human lymphocyte membranes express burst promoting activity (BPA) in vitro. *Clin Res* 314A, 1982. (Presented at AFCR Washington, DC, May, 1982).
15. N Dainiak, CM Cohen: Neutralization of burst promoting activity (BPA) with antibodies to plasma membranes. (Presented at UCLA Symposium on Normal and Neoplastic Hematopoiesis, Steamboat Springs, Colorado, March, 1983). *J Cell Biochem Suppl* 7B:43, 1983.
16. N Dainiak, CM Cohen: The regulation of erythroid proliferation in vitro by leukocyte surface components. Brookhaven National Laboratory, Conference on Hematopoietic Cellular Proliferation, Upton, LI, NY, October, 1983.
17. N Dainiak, CM Cohen, Neutralization of soluble erythroid burst promoting activity (BPA) with antibodies to leukocyte surface membranes. (Presented in San Antonio, ASCB, November, 1983). *J Cell Biol* 97(5):1495, 1983.
18. N Dainiak, S Kreczko: Interactions of insulin with insulin-like growth factor II (IGF-II) and plateletderived growth factor (PDGF) in erythropoietic cultures. (Presented at ASH, San Francisco, December, 1983). *Blood* 62 (5): 121a, 1983.
19. N Dainiak, S Kreczko: Regulation of erythroid progenitor cell proliferation by insulin-like growth factor-II and platelet derived growth factor. UCLA Symposium on Membrane Receptors and Cellular Recognition, Park City, Utah, March, 1984. *J Cell Biochem Suppl* 8A:270, 408a, 1984.
20. L Feldman, CM Cohen, N Dainiak: Suppression of erythroid burst proliferation by murine adherent mononuclear cell surface components. (Presented in Kansas City, ASCB, November, 1984). *J Cell Biol* 99:1984.
21. N Dainiak, S Kreczko, AM Cohen, R Panell: Primary human marrow cultures in serum-substituted fibrin clots. *Blood* 64:112a, 1984. (Presented in Miami, ASH, December, 1984.)
22. N Dainiak, A Najman, V Kulkarni, D Sutter, S Kreczko, et al: Regulation of erythroid burst proliferation by B-lymphocytes from healthy donors and patients with chronic lymphocytic leukemia (CLL). *Blood* 64:113a, 1984. (Presented in Miami, ASH, December 1984).

23. N Dainiak, D Sutter, S Kreczko: Kinetics of erythroid burst promoting activity (BPA) release in the presence and absence of thyroid hormone (L-T3). (Presented in Washington, DC, AFCR, May, 1985). Clin Res 33:337a, 1985. `n Washington, DC, AFCR, May, 1985). Clin Res 33:337a, 1985.
24. N Dainiak, S Kreczko, MA Riordan, HB Warren, PF Davies: Lipoproteins inhibit the expression of erythroid mitogens present in media conditioned by cultured endothelial cells. Presented at Conference on Humoral and Cellular Regulation of Erythropoiesis in Minneapolis, MN, October, 1985).
25. N Dainiak, S Kreczko, MA Riordan, HB Warren, PF Davies: Lipoproteins inhibit the expression of erythroid mitogens present in media conditioned by cultured endothelial cells. (Presented in Buffalo, ISEH, August, 1986). Exp Hematol 14:428, 1986.
26. R Hoffman, L Lu, N Dainiak, E Bruno, G Beyer et al: The influence of T-lymphocytes on hematopoiesis in a patient with T cell hypoplasia. (Presented in Washington, DC, AFCR, May 1986). Clin Res 34:459a, 1986.
27. L Feldman, CM Cohen, N Dainiak, Partial purification of erythroid burst-promoting activity (BPA) from lymphocyte plasma membranes. (Presented in Atlanta, ASCB, November, 1985). J Cell Biol 101:243a, 1985.
28. N Dainiak, S Kreczko, PR Strauss: Topoisomerases are active in human erythropoiesis in culture. (Presented in San Francisco, ASH, December, 1986) Blood 68:140a, 1986.
29. N Dainiak, MA Riordan, L Feldman, S Kreczko: Contractile proteins participate in release of erythroid growth regulatory factors from mononuclear cell surfaces. (Presented in San Francisco, ASH, December, 1986). Blood 68:163a, 1986.
30. M Hanspal, N Dainiak, J Palek: Synthesis and assembly of spectrin in human erythroblasts. (Presented in San Francisco, ASH, December, 1986). Blood 68:35a, 1986.
31. L Feldman, CM Cohen, N Dainiak: Comparison of soluble and membrane derived erythroid burst promoting activity (BPA). (Presented in Washington, DC, ASCB, December, 1986) J Cell Biol 103:297a, 1986.
32. L Goldman, M Worthington, MA Riordan, S Kreczko, N Dainiak: Azidothymidine (AZT) inhibits proliferation of cultured human marrow hematopoietic progenitors. (Presented in San Diego, ASCI, May, 1987) Clin Res 35:424, 1987.
33. L Feldman, CM Cohen, MA Riordan, N Dainiak: Purification of lymphocyte plasma membranederived burst promoting activity (BPA) an erythroid specific growth factor. (Presented in San Diego, ASCI, May, 1987) Clin Res 35:598a, 1987.
34. R Weinstein, S Kreczko, MA Riordan, K Wenc, N Dainiak: Differential sensitivity of human hematopoietic progenitors to fibronectin in serum-free culture. (Presented in San Diego, ASCI, May, 1987). Clin Res 35:603a, 1987.

35. N Dainiak: Suppression of human hematopoiesis by inactivation of topoisomerases. (Presented at Conference on Inhibitors of Hematopoiesis in Paris, April, 1987). *Leukemia Res* 1:826, 1987.
36. N Dainiak, R Parnell, S Kreczko, D Howard, J Lawler S Smith: Efficient, rapid method to procure large quantities of human urinary erythropoietin. (Presented in Toyko, ISEH, August, 1987) *Exp Hematol* 15:585, 1987.
37. N Dainiak, S Kreczko, PR Strauss: Cultured dysplastic bone marrow progenitors are hypersensitive to the effects of topoisomerase inactivation. (Presented in Toyko, ISEH, August 1987) *Exp Hematol* 15:544, 1987.
38. A Sytkowski, GA Vonases, DJ Ohara, S Kreczko, N Dainiak: Production of the PDGF-like molecules by normal erythroid cells in vivo: evidence for a positive feedback loop in the modulation of erythropoiesis. (Presented in Washington, DC, ASH, December, 1987). *Blood* 70:187a, 1987.
39. L Feldman, N Dainiak: Lymphocyte-derived erythroid burst promoting activity (BPA) is a product of normal resting B-cells. (Presented in St. Louis, ASCB, November, 1987). *J Cell Biol* 105:192a, 1987.
40. MJ Armstrong, J Storch, N Dainiak: Membrane vesicles (MV) are shed from structurally distinct regions of the plasma membrane (PM) in normal and transformed lymphocytes. (Presented in Las Vegas, FASEB, April, 1988). *FASEB Journal*, 2: a 1166, 1988.
41. N Dainiak, S Kreczko, G Wands: Shedding of surface membrane associated erythroid burst-promoting activity (BPA) is an energy dependent process that requires protein synthesis. (Presented in Washington, DC, ASCI, April, 1988) *Clin Res* 36:564a, 1988.
42. MJ Armstrong, J Storch, N Dainiak: Structurally distinct plasma membrane regions give rise to membrane vesicles in normal and transformed lymphocytes. (Presented in Washington, DC, April, 1988) *Clin Res* 36:536a, 1988.
43. S Smith, N Dainiak: A practical method to extract colony-stimulating factor (CSF) from normal human urine. (Presented in Houston, August, 1988). *Exp Hematol* 16:516, 1988.
44. N Dainiak, S Kreczko, G Wands: Exfoliation of membrane-associated BPA is energy-dependent. (Presented in Houston, August, 1988). *Exp Hematol* 16:516, 1988.
45. MJ Armstrong, E Cooper, J Griffin, J Breu, N Dainiak: Development of a T-lymphoblastoid line that secretes erythropoietin. (Presented in San Antonio, ASH, December, 1988). *Blood* 72:109, 1988.
46. MJ Armstrong, J Breu, N Dainiak: Lymphocyte plasma membrane fluidization alters surface membrane vesicle shedding and erythroid BPA expression. (Presented in San Antonio, ASH, December, 1988). *Blood* 72:157a, 1988.
47. H Hassoon, R Duff, S Kreczko, Z Spigelman, R McCaffrey, N Dainiak: Characterization of human erythroid progenitor cells: sensitivity to 2',3' dideoxyadenosine (DDA). (Presented in San Antonio, ASH, December, 1988). *Blood* 72:135a, 1988.

48. KH Takeuchi, G Wands, N Dainiak: Phase separation of membrane-associated BPA (MBPA) in triton X-114. (Presented in San Antonio ASH, December, 1988). *Blood* 72:135a.
49. M J Armstrong, J Storch, N Dainiak: Incubation of lymphocytes in lipid emulsions (LE) alters surface membrane vesicle shedding and erythroid BPA expression. (Presented in New Orleans, FASEB, March, 1989). *FASEB Journal* 3:577A, 1989.
50. KH Takeuchi, G Wands, N Dainiak: Lymphocyte membrane-associated BPA (mBPA) is an amphiphilic integral membrane protein. (Presented in Washington, DC, ASCI, April, 1989). *Clin Res* 37:550a, 1989.
51. MJ Armstrong, J Storch, J Breu, N Dainiak: Plasma membrane fluidity is a determinant of lymphocyte surface vesicle shedding and erythroid BPA expression. (Presented in Washington, DC, ASCI, April, 1989). *Clin Res* 37:534a, 1989.
52. J Umlas, M Kaufman, N Dainiak: A cryoprecipitable cold agglutinin with erythropoietic suppressant properties. (Presented in New Orleans, AABB, October, 1989). *Transfusion*, 1989.
53. N Dainiak, S Sorba: Regulation of erythroid burst-promoting activity (BPA) synthesis and release from lymphocytes (Presented in Atlanta, ASH, 1989). *Blood* 74:271a, 1989.
54. M Sanders, S Sorba, N Dainiak: Developmental regulation of fetal erythropoiesis by insulin-like growth factors. (Presented in Washington, D.C., ASCI, May, 1990). *Clin Res* 38:324A, 1990.
55. S Sorba, C King, N Dainiak: Isolation of circulating progenitor/stem cells: comparison of two collection methods. (Presented in Washington DC, ASCI, May, 1990). *Clin Res* 38:587A, 1990.
56. N Dainiak, S Sorba, A Guha, M Silva: Expression of a negative regulator of human erythropoiesis by fluidized lymphocyte plasma membranes. (Presented in Providence, 2nd International Conference on Negative Regulators of Hematopoiesis August, 1990).
57. A Guha, N Dainiak, RE Cone: Inhibition of MHC class - I antigen shedding from splenic lymphocytes by recombinant murineinterferon-gamma. (Presented in Providence, 2nd International Conference on Negative Regulators of Hematopoiesis, August, 1990).
58. N Dainiak, S Sorba, A Guha, M Silva: In vivo effects of membrane-bound burst promoting activity (mBPA) in mice. (Presented in Boston, ASH, December, 1990) *Blood* 76:138a, 1990.
59. D Tuck, M Silva, S Sorba, A Guha, KI Abraham, D Shochat, N Dainiak: Inhibition of hematopoiesis in vitro with the LYM-1 monoclonal antibody. (Presented in Boston, ASH, December, 1990) *Blood* 76:49a, 1990.
60. A Guha, RE Cone, N Dainiak: Modulation of MHC Class-I antigen expression on plasma membranes of human and murine B cells by interferon-gamma. (Presented in Boston, ASH, December, 1990). *Blood* 76:208a, 1990.

61. N Dainiak, S Sorba, C King, M Silva: Long-term culture of human circulating stem cells. (Presented in Boston, ASH, December, 1990). *Blood* 76:397a, 1990.
62. MR Sanders, S Sorba, N Dainiak: Insulin-like growth factors stimulate erythropoiesis in serumsubstituted umbilical cord cultures. (Presented in New Orleans, March 1991). *Ped Res* 29:277a, 1991.
63. JL Ascensao, KB Miller, D Schenkein, J Erba, J Desforjes, S Bergstrom, N Dainiak, JJ Quinn, T Fogern, C Poliquin: A new regimen for relapsed lymphomas: high-dose carboplatin, VP-16, and cyclophosphamide with hemopoietic rescue (Presented in Houston, ASCO Meeting, May 1991).
64. EE Morse, N Dainiak, et al: Dose determination for peri-pheral blood stem cell transfusion for marrow replacement in a patient with Hodgkins disease receiving ablative therapy. (Presented at the Meeting of the Association of Clinical Scientists, May, 1991).
65. JL Ascensao, KB Miller, SK Bergstrom, JJ Schenkein, JJ Quinn J Erba, N Dainiak: Immunotherapy following autologous marrow transplantation for relapsed lymphomas. (Presented in Parma, ISEH, July, 1991) *Exp Hematol* 19:545, 1991.
66. N Dainiak, EE Morse, JL Ascensao, C King, S Sorba: Assessment of CD34⁺ progenitor/stem cells in peripheral blood autografts before and after cyclophosphamide. (Presented in Mulhouse, October, 1991 at the Second International Symposium on Peripheral Blood Stem Cell Autografts).
67. A Guha, D Tuck, RE Cone, N Dainiak: HLA-restricted expression of membrane bound erythroid burstpromoting activity (mBPA) by allogeneic effector cells. (Presented in Denver, ASH, December, 1991) *Blood* 78:17a, 1991.
68. D Tuck, DP Cerretti, A Guha, S Sorba, N Dainiak: Human M-CSFs is expressed by plasma membranes and surface membrane vesicles shed from COS-1 cells transfected with cDNA for the transmembrane form of the factor. (Presented in Denver, ASH, December, 1991) *Blood* 78:17a, 1991.
69. SK Bergstrom, D Tuck, A Guha, N. Dainiak: Assessment of clonality at the stem cell level by variable number of tandem repeat (VNTR) analysis of individual hematopoietic colonies. (Presented in Denver, ASH, December, 1991) *Blood* 78:250a, 1991.
70. N Dainiak, D Tuck, S Sorba, C Wakem, HM Lazarus: Excess production of platelet-derived growth factor PDGF-like molecules by circulating mononuclear cells from patients with chronic myelogenous leukemia (CML). (Presented in Denver, ASH, December, 1991) *Blood* 78:28a, 1991.
71. S Sorba, JA Grasso, N. Dainiak: Transferrin binding to and uptake by purified human colony forming units-erythroid (CFU-Es). (Presented in Denver, ASH, December, 1991) *Blood* 78:89a, 1991.
72. JL Ascensao, KB Miller, AM Cardoso, DP Schenkein, SB Bergstrom, JJ Quinn, N Dainiak, S Blazey, D Tuck, C Poliquin: Immunotherapy with interferon α -2B post-autologous bone marrow

transplantation for patients with Hodgkin's and non-Hodgkin's lymphoma. (Presented at Denver, ASH, December, 1991) *Blood* 78:232a, 1991.

73. A Guha, N Dainiak, MH Freedman, RE Cone: Synergistic effects of PMA and IFN-gamma on MHC class-I antigen synthesis and expression on a B-cell line. Presented in Anaheim, FASEB (AAI), April, 1992) *FASEB Journal* 6:4382, 1992.
74. MR Sanders, F Walker, N Dainiak: Erythropoietin responsiveness and RAF-1 mediated signal transduction in serum-depleted cultures of human fetal, neonatal and adult progenitor cells. Presented at ASCI Natl Meeting, Washington, DC, May 1992) *Clin Res* 40:145a, 1992.
75. A Guha, RE Cone, RL Sha'afi, DP Tuck, MH Freedman, N Dainiak: Regulation and expression of MHC-mediated induction of erythroid differentiation by a lymphocyte cell line. (Presented in Budapest, 8th International Conference on Immunology, August, 1992). *Immunol Abstracts* 36:202, 1992.
76. A Guha. RE Cone, MH Freedman, DP Tuck, N Dainiak: Modulation of MHC glycoproteins and membrane burst promoting activity (mBPA) by interferon-gamma (IFN) and phorbol esters. (Presented in Providence, ISEH, July, 1992). *Exp Hematol* 20:780a, 1992.
77. DP Tuck, DP Cerretti, A Guha, S Sorba, N Dainiak: Shed vesicles and plasma membrane from transfected mammalian cells express human macrophage colony stimulating factor (M-CSF). (Presented in Providence, ISEH, July, 1992). *Exp Hematol* 20:766a, 1992.
78. JL Ascensao, S Bilgrami, JJ Quinn, MG Almeida, D Tuck, S Bergstrom, J Shanley, N Dainiak, D Dorsky, C Poliquin: Cytomegalovirus induced pancytopenia in allogeneic bone marrow transplant (BMT) recipients prophylaxed with high dose acyclovir and intravenous immunoglobulin (IVIG). (Presented at Providence, ISEH, July, 1992). *Exp Hematol* 20:713a, 1992.
79. SK Bergstrom, JJ Quinn, J Gaffney, N Dainiak, J Ascensao: Long-term bone marrow culture purged autologous bone marrow transplantation for acute lymphocytic leukemia. (Presented at Providence, ISEH, July, 1992). *Exp Hematol* 20:713a, 1992.
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81. N Dainiak, A Guha, S Sorba: Association of human MHC class-II antigen and membrane bound erythroid burst-promoting activity (mBPA) on vesicles exfoliated from the surface of B-cells. (Presented in Anaheim, ASH, December, 1992). *Blood* 80:172a, 1992.
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