

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.

Photocopy this page or follow this format for each person.

| NAME | POSITION TITLE |
|---|---|
| GARY H. LYMAN, M.D., M.P.H., FRCP (Edin) | Professor of Medicine, University of Rochester |

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

| INSTITUTION AND LOCATION | DEGREE (if applicable) | YEAR(s) | FIELD OF STUDY |
|---|---------------------------|-----------|------------------|
| State University of New York at Buffalo | B.A. | 1964-1968 | Psychology |
| SUNY at Buffalo, School of Medicine | M.D. | 1968-1972 | Medicine |
| Harvard University, School of Public Health | M.P.H. | 1981-1982 | Biostatistics |
| University of North Carolina, Chapel Hill | Residency | 1972-1974 | Medicine |
| Roswell Park Memorial Institute, Buffalo | Fellowship | 1974-1977 | Medical Oncology |
| Dana Farber Cancer Institute, Boston | Postdoctoral Fellow | 1981-1982 | Biostatistics |

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

1974 –1977 Research Instructor in Medicine, S.U.N.Y - Buffalo School of Medicine, Buffalo, NY
1977 – 1981 Assistant Professor of Medicine, University of South Florida College of Medicine, Tampa, FL
1981 – 1986 Associate Professor of Medicine, University of South Florida College of Medicine, Tampa, FL
1986 – 2000 Professor of Medicine, University of South Florida College of Medicine, Tampa, FL
1986 – 2000 Professor of Epidemiology and Biostatistics, U.S.F. College of Public Health, Tampa, FL
1997 – 1998 Visiting Professor, Medical Statistics Unit, London School of Hygiene and Tropical Medicine, UK
2000 – 2002 Thomas Ordway Professor of Medicine, Albany Medical College, Albany, NY
2000 – 2002 Head, Division of Hematology/Oncology, Department of Medicine, Albany Medical College, NY
2000 – present Professor of Biometry and Statistics, SUNY – Albany School of Public Health, Albany, NY
2002 – present Professor of Medicine, Rochester School of Medicine and Dentistry, Rochester, NY
2002 – present Associate Center Director for Health Services and Outcomes Research and Director of Biostatistics, James P. Wilmot Cancer Center, University of Rochester Medical Center, Rochester, NY

Honors and Awards:

Clinical Fellowship (Institutional Award-American Cancer Society: 1974-1976); Junior Faculty Clinical Fellowship (Individual Award-American Cancer Society: 1976-1977); Special Fellowship (Individual Award-Leukemia Society of America: 1976-1977); Postdoctoral Fellowship (Individual National Institutes of Health Award: 1981-82); The Honor Society of Phi Kappa Phi (1985); Best Scientific Presentation-Prevention 94); Thomas C. Chalmers Award (VII Cochrane Colloquium, 1999);

Societies:

American College of Physicians (Fellow); Royal College of Physicians (Fellow); American College of Clinical Pharmacology (Fellow); American College of Preventive Medicine (Fellow); American Society of Clinical Oncology (member, Health Services Research Committee); Cochrane Collaboration (member, Statistical Methods Working Group and Economic Methods Working Group); Southwest Oncology Group

Publications (last three years)

Schapiro DV, Theodossiou C, LYMAN GH: The Effect of NSAIDS on Breast Cancer Prognostic Factors. *Oncol Rep*, 1999;6:433-435.

Kamath D, Miliotes G, LYMAN GH, Rapaport D, Cruse CW, Glass F, Fenski N, Messina J, Berman C, Reintgen D: Cutaneous Lymphatic Drainage Patterns in Patients with Grossly Involved Nodal Basins. *Ann Surg Oncol*. 1999;6:345.

Jacobsen PB, Hann DM, Azzarello LM, Horton J, Balducci L, LYMAN GH: Fatigue in Women Receiving Adjuvant Chemotherapy for Breast Cancer: Characteristics, Course and Correlates. *J Pain and Symptom Management* 1999;18: 233-242.

LYMAN GH, Kuderer NM, Balducci L: Economic Analyses of the Use of the Colony-Stimulating Factors: An Update in *Current Opinion in Hematology*: Section on Hematopoietic Growth Factors (David Dale,ed) 1999;6:145-151.

Bass SS, LYMAN GH, McCann CR, Ku NN, Berman C, Durand K, Bolano M, Cox S, Salud C, Reintgen DS, Cox CE: Lymphatic Mapping and Sentinel Lymph Node Biopsy. *The Breast Journal* 1999; 5: 288-295.

LYMAN GH: A New Approach to Maintain Planned Dose Chemotherapy on time: A Decision-Making Tool to Improve Patient Care. *European J Cancer*. 2000 36 (suppl): 15-21.

Balducci L, Hardy CL, LYMAN GH: Hemopoietic reserve in the older cancer patient: clinical and economic considerations. *Cancer Control* 2000 7: 539-547.

LYMAN GH: A Predictive Model for Neutropenia Associated with Cancer Chemotherapy. *Pharmacotherapy* 2000; 20: 104S-111S.

Pocock SJ, Henderson RA, Clayton T, LYMAN GH, Chamberlain DA: Quality of Life After Coronary Angioplasty or Continued Medical Treatment for Angina:3-year Follow Up in the Rita-2 Trial.*J Amer College Cardiology*,2000;35:907-914

Djulgovic B, Hozo I, LYMAN GH: Linking Evidence-Based Medicine Therapeutic Summary Measures to Clinical Decision Analysis. *Medscape General Medicine* 2000; January 13

Extermann M, Balducci L, LYMAN GH: What Threshold for Adjuvant Therapy in Older Breast Cancer Patients? *J Clin Oncol* 2000 18: 1709-1717.

Li W, Stall A, Shivers SC, Lin J, Haddad F, Messina J, Glass LF, LYMAN GH, Reintgen DS: Clinical Relevance of Molecular Staging For Melanoma: Comparison of RT-PCR and Immunohistochemistry Staining in Sentinel Lymph Nodes of Patients With Melanoma. *Ann Surgery* 2000; 231: 795-803.

Stein KD, Jacobsen PB, Hann DM, Greenberg H, LYMAN GH: Impact of Hot Flashes on Quality of Life Among Postmenopausal Women Being Treated for Breast Cancer. *J Pain Symptom Management* 2000; 19: 436-445.

Djulgovic B, Lacevic M, Cantor A, Fields K, Bennett CL, Kuderer NM and Lyman GH: The uncertainty principle and industry-sponsored research. *The Lancet* 2000; 356: 635-638.

Djulgovic B, LYMAN GH: Evidentiary Challenges to Evidence-Based Medicine. *J Eval Clin Pract* 2000; 6: 99-109.

Balducci L, Hardy CL, LYMAN GH: Hemopoietic reserve in the older cancer patient: clinical and economic considerations. *Cancer Control* 2000 7: 539-547.

Adams VR, LYMAN GH: Interactive Discussion on Chemotherapy-Related Adverse Events. *Pharmacotherapy* 2000; 20: 121S-125S.

Djulgovic B, Cantor A, LYMAN GH, Ruckdeschel: Understanding Treatment Benefits and Harms, Evidence-Based Oncology 2000; 1: 66-68.

Balducci L, LYMAN GH: Farmacoeconomia. *Ematologia Geriatrica* 2000: 1: 49-65.

Broeckel JA, Jacobsen PB, Balducci L, Horton J, LYMAN GH: Quality of Life after adjuvant chemotherapy for breast cancer. *Breast Cancer Research and Treatment* 2000; 62: 142-150.

Cox CE, Bass SS, McCann CR, Ku NN, Berman C, Durand K, Boland M, Wang J, Peltz E, Cox S, Salud C, Reintgen DS, LYMAN GH: Lymphatic Mapping and Sentinel Lymph Node Biopsy in Patients with Cancer. *Ann Rev Med*, 2000;51:525-542.

Bass SS, Cox CE, Salud CJ, LYMAN GH, McCann C, Dupont E, Berman C, Reintgen DS: The effects of postinjection massage on the sensitivity of lymphatic mapping in breast cancer. *J. Am. Coll. Surg.* 2001; 192: 9-16.

Balducci L, Hardy CL, LYMAN GH: Hematopoietic Growth Factors in the Older Cancer Patient. *Curr Opin Hematology* 2001 8: 170-187.

Lyman GH, Balducci L, Agboola Y: Use of hematopoietic growth factors in the older cancer patient. *Oncology Spectrums*, 2001 2: 414-421.

Balducci L, LYMAN GH: Patients Aged > 70 Are at High Risk for Neutropenic Infection and Should Receive Hemopoietic Growth Factors When Treated With Moderately Toxic Chemotherapy. *J Clin Oncol* 2001; 19: 1583-1585.

LYMAN GH: Methodological Issues Related to Health Economic analysis in controlled clinical trials. Handbook of Statistics in Clinical Oncology (J Crowley, ed), Marcel Dekker, 2001.

LYMAN GH, Balducci L, Agboola Y: Use of hematopoietic growth factors in the older cancer patient. *Oncology Spectrums*, 2001 2: 414-421.

LYMAN GH: The Economics of Randomized Controlled Trials. *Curr Oncol Rep* 2001 Sep;3 (5):396-403

Balch CM, Soong S-J, Gershenwald J, Thompson JF, Reintgen D, Cascinelli N, Urist M, McMasters K, Ross MI, Kirkwood JM, Atkins MB, Thompson JA, Coit DG, Byrd D, Desmond R, Zhang K, Liu P-Y, LYMAN GH, Moribito A: Prognostic Factors Analysis of 17, 600 Melanoma Patients: Validation of the New AJCC Melanoma Staging System. *J Clin Oncol* 2001 2001; 19: 3622-3634.

LYMAN GH, Djulgovic B: Understanding Economic Analyses: Evidence-Based Oncology 2001; 2: 2-5.

Djulgovic B, Adams JR, LYMAN GH, Lacevic M, Hozo I, Greenwich M, Bennett CL: Evaluation and appraisal of randomized controlled trials in myeloma. *Annals of Oncology* 2001; 12: 1611-1617.

Gary H. Lyman, Nicole M. Kuderer, Benjamin Djulbegovic. Prophylactic Granulocyte Colony-Stimulating Factor in Patients Receiving Dose Intensive Cancer Chemotherapy: A Meta-Analysis. *American Journal of Medicine* 2002; 112: 406-411.

Lyman GH, Kuderer NM, Balducci L: Cost-Benefit Analysis of G-CSF in the Management of Elderly Cancer Patients. *Curr Opin Hematology* 2002; 9: 207-214.

Ganguly R, LYMAN G: Hepatitis B Virus Vaccine: Cost effects and insurance coverage. *Am Clin Lab* 2002; 21: 44-46.

LYMAN GH, Kuderer NM: Filgrastim in Patients with Neutropenia: Potential Effects on Quality of Life. *Drugs* 2002; 62 Suppl 1: 65-78.