

## 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 Mark C. Gebhardt, M.D.		POSITION TITLE Chief, Orthopaedic Surgery, Beth Israel Deaconess Medical Center Frederick W. and Jane M. Ilfeld Professor of Orthopaedic Surgery, Harvard Medical School		
EDUCATION/TRAINING ( <i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i> )				
INSTITUTION AND LOCATION		DEGREE (if applicable)	YEAR(S)	FIELD OF STUDY
BUCKNELL UNIVERSITY, LEWISBURG, PA		B.A.	1971	BIOLOGY
UNIVERSITY OF CINCINNATI, COLLEGE OF MEDICINE		M.D.	1975	MEDICINE

### RESEARCH AND PROFESSIONAL EXPERIENCE:

#### **Professional Experience:**

1977-78 Surgical Fellow and National Surgical Adjuvant Breast Project Fellow, Univ of Pittsburgh  
1978-83 Clinical Fellow in Orthopaedic Surgery, Harvard Medical School  
1980 Resident Research Fellowship, Orthopaedic Research and Education Foundation  
1982 Fellow in Orthopaedic Surgery, Children's Hospital, Boston, MA  
1983 Fellow in Orthopaedic Oncology, Massachusetts General Hospital, Boston, MA  
1983-87 Clinical Instructor in Orthopaedic Surgery, Harvard Medical School  
1984-86 Junior Clinical Faculty Fellowship, American Cancer Society  
1987-92 Assistant Professor of Orthopaedic Surgery, Harvard Medical School  
1990-91 Peabody Senior Pediatric Orthopaedic Research Fellow, Massachusetts General Hospital, Boston  
1993-98 Associate Professor of Orthopaedic Surgery, Harvard Medical School  
1998 -92 Frederick W. and Jane M. Ilfeld Associate Professor of Orthopaedic Surgery, Harvard Medical School  
2002- Frederick W. and Jane M. Ilfeld Professor of Orthopaedic Surgery, Harvard Medical School  
2003- Chief, Orthopaedic Surgery, Orthopaedic Surgeon-in-Chief, Beth Israel Deaconess Medical Center, Boston, MA

#### **Awards and Honors:**

Omicron Delta Kappa, Bucknell University, 1970  
Phi Sigma, Biology, Bucknell University, 1970  
Lewis R. Robey Prize, Bucknell University, 1971  
Alpha Omega Alpha, Medical Honorary, Beta Chapter, University of Cincinnati, 1974  
Peter T. Kilgour Prize, College of Medicine, University of Cincinnati, 1975  
Dalton Scholarship, Massachusetts General Hospital, Boston, MA, 1986  
The Best Doctors in America, 2<sup>nd</sup> Edition, 1994-97  
Best Doctors of 1997, Boston Magazine, 1997

#### **Selected Publications:**

Brigman BE, Hornicek FJ, Gebhardt MC, Mankin HJ. Allografts about the Knee in Young Patients with High-Grade Sarcoma. Clin Orthop Relat Res. 2004 Apr;(421):232-9.

Loh ML, Ahn P, Perez-Atayde, Gebhardt MC, Shamberger RC, Grier HE. Treatment of infantile fibrosarcoma with chemotherapy and surgery: results from the Dana-Farber Cancer Institute and Children's Hospital, Boston. J Pediatr Hematol Oncol 2002;24(9): 722-6.

Grier, HE, Krailo MD, Tarbell NJ, Link MP, Fryer CJ, Pritchard DJ, Gebhardt MC, Dickman PS, Perlman EJ, Meyers PA, Donaldson SS, Moore S, Rausen AR, Vietti TJ, Miser JS. Addition of ifosfamide and etoposide to standard chemotherapy for Ewing's sarcoma and primitive neuroectodermal tumor of bone. N Engl J Med 2003;348(8):694-701.

Goorin AM, Schwartzenruber DJ, Devidas M, Gebhardt MC, Ayala AG, Harris MB, Helman LJ, Grier HE, Link MP. Presurgical chemotherapy compared with immediate surgery and adjuvant chemotherapy for nonmetastatic osteosarcoma: Pediatric Oncology

Kocher MS, Gebhardt MC, Mankin HJ. Reconstruction of the distal aspect of the radius with use of an osteoarticular allograft after excision of a skeletal tumor. *J Bone Joint Surg* 1998;80(3):407-19.

Spear MA, Jennings LC, Mankin HJ, Spiro IJ, Springfield DS, Gebhardt MC, Rosenberg AE, Efird JT, Suit HD. Individualizing management of aggressive fibromatoses. *Int J Radiat Oncol Biol Phys* 1998;40(3):637-45.

Spiro IJ, Gebhardt MC, Jennings LC, Mankin HJ, Harmon DC, Suit HD. Prognostic factors for local control of sarcomas of the soft tissues managed by radiation and surgery. *Semin Oncol* 1997;24(5):540-6.

Kloen P, Gebhardt MC, Perez-Atayde A, Rosenberg AE, Springfield DS, Gold LI, Mankin HJ. Expression of transforming growth factor- $\beta$ . Isoforms in osteosarcomas. *Cancer* 1997;80(12):2230-9.

Bar-Sever Z, Connolly L, Gebhardt MC, Treves S. Scintigraphy of lower extremity cadaveric bone allografts in osteosarcoma patients. *Clin Nucl Med* 1997;22(8):532-5.

Berg J, Gebhardt MC, Rand W. Effect of timing of postoperative chemotherapy on survival of dogs with osteosarcoma. *Cancer* 1997;79(7):1343-50.

Marcus KC, Grier HE, Shamberger RC, Gebhardt MC, Perez-Atayde A, Silver BA, Tarbell NJ. Childhood soft tissue sarcoma: A 20-year experience. *J Pediatr* 1997;131(4):603-7.

Ortiz-Cruz E, Gebhardt MC, Jennings LC, Springfield DS, Mankin HJ. The results of transplantation of intercalary allografts after resection of tumors. A long-term follow-up study. *J Bone Joint Surg* 1997;79A(1):97-106.

Mangham DC, Cannon A, Komiya S, Gendron RL, Dunussi K, Gebhardt MC, Mankin HJ, Arceci RJ. P-glycoprotein is expressed in the mineralizing regions of the skeleton. *Calcif Tissue Int* 1996;58(3):186-91.

Carbone M, Rizzo P, Procopio A, Giuliano M, Pass HI, Gebhardt MC, Mangham C, Hansen M, Malkin DF, Bushart G, Pompetti F, Picci P, Levine AS, Bergsagel JD, Garcea RL. SV40-like sequences in human bone tumors. *Oncogene* 1996;13(3):527-35.

Gebhardt MC. Molecular biology of sarcomas (Review). *Orthop Clin North Am* 1996;27(3):421-9.

Takeshita H, Gebhardt MC, Springfield DS, Kusuzaki K, Mankin HJ. Experimental models for the study of drug resistance in osteosarcoma: P-glycoprotein-positive, murine osteosarcoma cell lines. *J Bone Joint Surg* 1996;78(3):366-75.

Scully SP, Temple HT, O'Keefe RJ, Mankin HJ, Gebhardt MC. The surgical treatment of patients with osteosarcoma who sustain a pathologic fracture. *Clin Orthop* 1996;(324):227-32.

Mankin HJ, Gebhardt MC, Jennings LC, Springfield DS, Tomford WW. Long-term results of allograft replacement in the management of bone tumors. *Clin Orthop* 1996;(324):86-97.

Scully SP, Temple HT, O'Keefe RJ, Scarborough MT, Mankin HJ, Gebhardt MC. Role of surgical resection in pelvic Ewing's sarcoma. *J Clin Oncol* 1995;13(9):2336-41.

Mangham DC, Cannon A, Li XQ, Komya S, Gebhardt MC, Springfield DS, Rosenberg AE, Mankin HJ. p53 overexpression in Ewing's sarcoma/primitive neuroectodermal tumor is an uncommon event. *J Clin Pathol* 1995;48:M79-M82.

Fletcher JA, Gebhardt MC, Kozakewich HP. Cytogenetic aberrations in osteosarcomas. Nonrandom deletions, rings, and double-minute chromosomes. *Cancer Genet Cytogenet.* 1994;77(1):81-8.

Russo CL, McIntyre J, Goorin J, Link MP, Gebhardt MC, Friend SH. Secondary breast cancer in patients presenting with osteosarcoma: possible involvement of germline p53 mutations. *Med Pediatr Oncol* 1994;23:(4):354-358.