



Science

Trust

Peter J. Buecker, MD, PhD

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Curriculum Vitae

Education & Credentials

PhD in Mind-Body Medicine

Saybrook University, Oakland, CA (2021)

Fellowship in Musculoskeletal Oncology

Harvard University, Massachusetts General Hospital, Boston, MA (2005)

Doctor of Medicine, *Magna Cum Laude*

University of Louisville School of Medicine, Louisville, KY (1999)

Bachelor of Arts in Biology, Minor in German, *Cum Laude*

University of Louisville School of Medicine, Louisville, KY (1995)

Licensure

Kentucky	active	Ky# 35801
Indiana	inactive	
Massachusetts	inactive	
Nebraska	inactive	

Certifications:

National Board of Medical Examiners, Diplomate (01/2000)

American Board of Orthopaedic Surgery (Exp. 12/31/2027)

Continued...

Professional & Leadership Experience

Peaceful Bull Studios (July 2021 - Present)

Owner

- Hospital System Stress Consulting
- Voice, Musical, and Video Production

BehaVR, LLC (Mar 2017 to Sept 2021)

Chief Medical Officer

- Provide executive-level leadership with full accountability for the development and implementation of innovative, evidence-based, digital health solutions in the medium of virtual reality.
- Develop clinical protocols and oversight of supporting research validation of developed products.
- Contribute to strategic development of initiatives and business strategies, and overall direction of the organization.
- Cultivate and maintain healthy working relationships with consultants, clinical, and research partners.
- Assist Marketing team with messaging and articulation of company mission, product details, clinical and patient-reported outcome data to payers, providers, employers, and patients
- Participation in panels and workgroups to help advance the field of virtual and digital medicine (serve as the medical/clinical face of the organization)

Peter Buecker, MD, PLLC (Jan 2017 to Dec 2019)

Contract clinical services (Orthopedic Surgery)

- Regional West Medical Center, Scottsbluff, Nebraska
- JenCare (a division of ChenMed), Louisville, Kentucky
- Integrated Medical Solutions (now Aptiva Health), Louisville, Kentucky
- Assisted Personal Fitness & Rehabilitation (PFR) in developing app to triage back pain patients to surgical, conservative care, or further medical evaluation

Pomeroy & Rhoads, PLLC, Louisville, KY (Jan 2016 to Dec 2016)

Orthopedic Surgery Practitioner

- Oncology, joint replacement, fracture care, sports medicine

Norton Orthopaedic Specialists, City, State (Aug 2010 to Dec 2015)

Orthopedic Surgery Practitioner

- Musculoskeletal Oncology, joint replacement, fracture care, sports medicine

Norton Cancer Institute, City, State (Jul 2009 to Jun 2010)

Assistant Medical Director

Clinical oversight of a specialty Hematology/Oncology practice (about 15 physicians and 6 NPs)

Norton Cancer Institute - Orthopaedic Oncology, City, State (Aug 2005 to Jun 2010)

Orthopedic Practitioner

- Musculoskeletal Surgical Oncology (adults and children), fracture care, general Orthopedic care of adult and pediatric patients

Residency & Internships

Harvard Combined Fellowship in Musculoskeletal Oncology

Harvard University, Boston, MA (2005)

Orthopaedic Surgery Residency

University of Louisville Affiliated Hospitals (2004)

General Surgery Internship

University of Louisville Affiliated Hospitals (2000)

Committee Appointments

Regional/National

Evaluation Subcommittee

American Academy of Orthopaedic Surgeons, Musculoskeletal Tumors and Diseases (Mar 2008 to Mar 2014)

75th Anniversary Project Team, AAOS and State Society History

American Academy of Orthopaedic Surgeons (May 2005 to May 2008)

Resident Liaison

American Academy of Orthopaedic Surgeons (Jul 2003 to Jun 2004)

State/Local

Surgery Education Committee

University of Louisville Department of Orthopaedic (Sept 2006 to Dec 2010)

Young Physicians Steering Committee

Kentucky Medical Association (Dec 2005 to Aug 2010)

Cancer Committee

Kentucky Medical Association (Dec 2005 to Aug 2010)

Norton Healthcare Network (Aug 2005 to Jul 2010)

Kosair Children's Hospital (Aug 2005 to Jul 2010)

Multidisciplinary Musculoskeletal Oncology Tumor Board

Norton Cancer Institute (Oct 2005 to Aug 2010)

Surgical Appraisal and Evaluation Committee

Norton Healthcare (Jan 2008 to Aug 2010)

Bioethics Committee

Greater Louisville Medical Society (Jun 2007 to Aug 2010)

Faculty Forum

University of Louisville School of Medicine (1997 to 1999)

Peer-Review/Editorial Activity

Electronic Sarcoma Update Newsletter (Oct 2004 to 2015)

Skeletal Radiology (Sept 2008 to 2015)

Clinical Orthopaedics and Related Research (Jul 2006 to 2015)

Journal of Bone and Joint Surgery (Feb 2006 to 2015)

Publications

Dissertation (Pending publication in ProQuest)

A Case Study Research Evaluation of a Self-Guided, Web-Based Mindfulness Meditation Course on Supporting Learner Motivation (Behavior change, motivation, adult education theory, mindfulness meditation, online/digital learning), Saybrook University, Oakland, CA

Book

Buecker, PJ. *No Magic Pill: Be Happier and Healthier Now, Just As You Are*. Louisville: Chicago Spectrum Press, 2012

Peer-Review Journal Articles

Baker AC, Rezeanu L, Klein MJ, Pitt MJ, **Buecker PJ**, Hersh JH, Buchino J and Siegal GP. Aggressive Osteoblastoma: A case report involving a unique chromosomal aberration. *International Journal of Surgical Pathology* 2010; 18(3): 219-224

Burke CS, Gupta A, **Buecker P**. Distal ulna giant cell tumor resection with reconstruction using distal ulna prosthesis and brachioradialis wrap soft tissue stabilization. *Hand* 2009; 4(4): 410-414

Buecker PJ, Gebhardt MC. Are fibula strut allografts a reliable alternative for periarticular reconstruction after curettage for bone tumors? *Clinical Orthopaedics and Related Research* 2007; 461: 170-174

Buecker PJ, Villafuerte JE, Hornicek FJ, Gebhardt MC, Mankin HJ. Improved survival for sarcomas of the hand and wrist. *Journal of Hand Surgery* 2006; 31-A (3): 452-455

Buecker PJ, Berenstein M, Gebhardt MC, Hornicek FJ, Mankin HJ. Locking versus standard plates for allograft fixation after tumor resection in children and adolescents. *Journal of Pediatric Orthopedics* 2006; 26(5): 680-685

Walz B, **Buecker P**, Giannoudis P, Roberts C. Failed internal fixation about the knee. *Techniques in Orthopaedics* 2002; 17(4): 458-467

Book Chapter(s)

Seligson D, **Buecker PJ**, Ogden JS: Hydraulically expandable nailing in the treatment of long bone fractures and pseudarthroses, in Leung KS, Taglang G, Schnettler R (eds): *Practice of Intramedullary Locked Nails: New Developments in Techniques and Applications*. Berlin: Springer-Verlag, 2006, pp. 155-159

Electronic/Other

Buecker, PJ. (2013, December 23). Community challenge: The keys to staying well. *The Courier Journal*.

Buecker PJ, Rothrock CP. Current Management of Skeletal Metastasis. 2010. *Orthopaedic Knowledge Online* (AAOS website)

Buecker PJ. A series of four chondroblastoma cases treated with two different bone grafts. White Paper. Wright Medical Technology. 2008. www.wmt.com

Buecker PJ. Langerhans Cell Histiocytosis. BMJ Publishing. *Epocrates* website, 08/2008

Buecker PJ. "Sarcoma: Awareness is of the essence." *Louisville Medicine* 2007; 54 (12): pp. 545-547

Buecker PJ. "Sarcoma: A diagnosis of patience." *Electronic Sarcoma Update Newsletter*, October 2005; 2(5): <http://www.sarcomahelp.org>

Buecker PJ. "Salvage of the Unplanned Sarcoma Excision." *Electronic Sarcoma Update Newsletter*, October 2005; 2(5): <http://www.sarcomahelp.org>

Buecker PJ, Gebhardt MC, Weber K. "Osteosarcoma." *Electronic Sarcoma Update Newsletter*, February 2005; 2(1): <http://www.sarcomahelp.org>

Gebhardt MC and **Buecker PJ.** "Liposarcoma." *Electronic Sarcoma Update Newsletter*, October 2004; 1(5). <http://www.sarcomahelp.org>

Seligson D and **Buecker PJ.** "Open Fractures." *Orthopaedic Knowledge Online*, AAOS website, March 2004. www.aaos.org

Featured

Clinton, S. (2013, December 6th). Mind & body in balance. *Business First* (Louisville edition).

Carter, D. (2013, September 27th). Freeing your mind. *The Courier-Journal*.

Presentations - International/National

Buecker PJ. "Diagnosis of Intramuscular Hemangioma: MRI is not enough." Mid-America Orthopaedic Association Annual Meeting, Amelia Island, Florida, 04/24/2009

Owens RK, **Buecker PJ.** "Hand-Rubbing with Aqueous Alcohol Solution Following Traditional Surgical Hand-Scrubbing: A Comparison of Microbial Hand Counts." Mid-America Orthopaedic Association Annual Meeting, Amelia Island, Florida, 04/24/2009

Chen D, **Buecker PJ.** "Sub-Iliacus Approach for Periacetabular Biopsy." Mid-America Orthopaedic Association Annual Meeting, Amelia Island, Florida, 04/24/2009

Buecker PJ, Villafuerte JE, Hornicek FJ, Gebhardt MC, Mankin HJ. "Improved survival for sarcomas of the hand and wrist." American Orthopaedic Association Annual Meeting, San Antonio, Texas, 06/22-06/24/06

Buecker PJ and Gebhardt MC. "Fibula Strut Allograft after Curettage for Periarticular Bone Tumors." Musculoskeletal Tumor Society Annual Meeting, Key West, Florida, 6/8/2006-6/10/2006

Roberts CS, **Buecker PJ** and Madhusudhan Y. "Open reduction and internal fixation of displaced fractures of the scapula at a Level One trauma center." Mid America Orthopaedic Association, San Antonio, Texas, 4/20/2006

Gebhardt MC, **Buecker PJ**, Hornicek FJ, Raskin K, Anderson ME, Mankin HJ. “Allograft-host union for limb salvage of musculoskeletal tumors: A retrospective comparison of locking to dynamic compression plates.” Association of Bone and Joint Surgeons Annual Meeting, Buenos Aires, Argentina, 04/03-04/07/06

Buecker PJ, Gebhardt MC, Berenstein M, Mankin HJ, Hornicek FJ. “Locking versus standard compression plates for fixation of the allograft-host junction.” Musculoskeletal Tumor Society Annual Meeting, Nashville, TN, 5/19-5/21/05

Buecker PJ, Zeytoonjian T, Mankin HJ, Hornicek FJ, Gebhardt MC. “Tumors of the distal lower extremity.” Musculoskeletal Tumor Society Annual Meeting, Nashville, TN, 5/19-5/21/05

Buecker PJ, Villafuerte J, Mankin HJ, Hornicek FJ, Gebhardt MC. “Benign and malignant lesions of the hand and wrist.” Musculoskeletal Tumor Society Annual Meeting, Nashville, TN, 05/21/05

Buecker PJ and Seligson D. “Hydraulically expanded nails for the treatment of long-bone fractures and non-unions.” American College of Surgeons Committee on Trauma Regional Resident Research Competition, Miami, FL, 11/15/03

Invited Lectures

“Avoiding Physician Burnout.” American Academy of Orthopaedic Surgeons, Musculoskeletal Tumor Society Specialty Meeting, Las Vegas, NV, 03/16/19

“Musculoskeletal Imaging: An Orthopedic Oncology Perspective,” National Association of Orthopaedic Nurses, Las Vegas, NV, 03/13/19

“Mind-Body Care at the Bedside”, Baptist Health Floyd, New Albany, IN, 05/15/18

“Mindfulness for Molecular Health.” Louisville Mensa Society, Louisville, KY, 04/14/2018

“Protecting Your Telomeres with Mindfulness.” University of Louisville Women’s Club, Louisville, KY, 03/02/2018

“6 Steps to Manifesting the Life You Want.” Baptist Health Preceptor Luncheon, Louisville, KY, 10/13/2017

“Stress Less, Improve Your Health, and Prolong Your Life in 10 Minutes a Day.” Baptist Health Telemetry Symposium, Louisville, KY 09/27/2017

“Mindfulness, Self-Care, and Stress Management.” Baptist Health Nursing Residency Program, Louisville, KY, 08/23/2017

“Early recognition of bone metastasis.” Baptist Health Orthopaedic Symposium, Louisville, KY, 10/22/2016

“Whole Human Healthcare: Perspectives of an Orthopaedic Oncologist.” Baptist Health Louisville, Louisville, KY, 04/18/16

“Mindfulness and Meditation.” Healing, Hope, and Wellness for All. Kentucky One Health, Louisville, KY, 05/09/2015

“Mindfulness & Meditation.” Norton Healthcare: Body, Mind, Spirit Series. Louisville, KY, 04/16/2015

“Contemporary Perspectives on Human Flourishing.” Louisville Evolutionaries Series, Louisville, KY, 03/12/2015

“Modern Perspectives on Wellness.” Association of Operating Room Nurses, Louisville, KY, 03/04/2014

“Wellness in Compassionate Aging.” Compassionate Aging Lecture Series, Louisville, KY, 11/21/2013.

“Emerging Paradigms of Wellness.” Kentucky Society of Registered Nurse First Assistants, Louisville, KY, 08/24/2013

“Pathologic Fractures of the Upper Limb.” Synthes Upper Limb Fracture Course, Louisville, KY, 02/26/2010

“Osteonecrosis of the Hip.” University of Louisville Department of Orthopaedic Surgery Grand Rounds, Louisville, KY, 12/08/2009

“Bone tumors: a primer for primary care physicians”. University of Louisville Department of Family and Community Medicine Grand Rounds, Louisville, KY, 08/21/2009

“Pediatric Non-Rhabdomyosarcoma Soft Tissue Sarcoma.” 2nd Annual Musculoskeletal Oncology Summit, Norton Cancer Institute, Louisville, KY, 08/14/2009

“Principles of Management of Pathological Fractures: Staying Out of Trouble in Musculoskeletal Oncology.” University of Louisville Residents’ Conference, Louisville, KY, 05/22/2009.

“Current Practice of Musculoskeletal Oncology: Challenges for the Physical Therapist.” Kentucky Orthopaedic Rehab Team Grand Rounds, Louisville, KY, 02/17/2009.

“Modern Perspectives on Orthopaedic Education.” University of Louisville Department of Orthopaedic Surgery Grand Rounds, Louisville, KY, 12/16/2008.

“Pathologic fractures of the upper extremity.” Selected Topics in Upper Extremity Trauma Care, Synthes, Louisville, KY, 11/14-11/15/2008

“Current Management of Bone and Soft Tissue Sarcoma.” Kentucky Cancer Registrars Annual Meeting, Louisville, KY, 09/04/2008

“Osteosarcoma and Ewing’s Sarcoma: The Basics.” Norton Cancer Institute Musculoskeletal Oncology Summit: Pediatric Bone Sarcoma. Louisville, KY, 06/21/2008

“Barriers to Sarcoma Care.” Norton Cancer Institute Musculoskeletal Oncology Summit: Pediatric Bone Sarcoma. Louisville, KY, 06/21/2008

“Introduction to Imaging Techniques.” AO North America Principles for Operating Room Personnel, Louisville, KY, 06/14/2008

“Current management of skeletal metastasis” Norton Suburban Quarterly Medical Staff Meeting, featured speaker, Louisville, KY, 10/25/2007

“Current treatment of osteosarcoma.” Kentucky Orthopaedic Society Annual Meeting, Kentucky Medical Association, Louisville, KY, 09/26/2007

“Evolving role of sarcoma advocacy groups in America.” King and Jennings National Synovial Sarcoma Organization, Inc Annual Meeting, Keynote Speaker, Louisville, KY, 06/09/2007

“Musculoskeletal Pathology: Principles in Practice.” Synthes resident education Symposium, Louisville, KY, 05/31/2007

“Metastatic Bone Disease: The Case for Resection.” University of Louisville Department of Orthopaedic Surgery Grand Rounds, Louisville, KY, 03/13/2007

“Orthopaedic Procedures in Pediatric Oncology Patients”. Association of Pediatric Hematology-Oncology Nurses, Louisville, KY, 01/22/2007

“Sarcoma Update and Skeletal Complications of Cancer.” Louisville Oncology Nursing Symposium, Louisville, KY, 05/24/2006

“Current Management of Bone and Soft Tissue Sarcomas.” Louisville Oncology Quarterly Educational Session, Louisville, KY, 04/20/2006

“Options for Reconstruction after Resection of Malignant Tumors of the Pelvis.” University of Louisville Department of Orthopaedic Surgery Grand Rounds, Louisville, KY, 04/11/2006

“Giant Cell Tumor of Bone: The past, present and future”. Louisville Orthopaedic Society, Louisville, KY, 02/13/2006

“Management of Skeletal Cancer Pain.” Norton Cancer Care Resource Center Symposium on Cancer Pain Control, Louisville, KY, 10/07/2005

“Current Practice of Musculoskeletal Oncology.” Kentucky Cancer Registrars Annual Meeting, Louisville, KY, 09/09/2005

“Endoprosthetic Reconstruction for Limb Salvage in Children and Adolescents with Osteosarcoma.” University of Louisville Department of Orthopaedic Surgery Grand Rounds, Louisville, KY, 12/21/2004

“Hydraulically expanded nails: Clinical aspects.” Disc Orthopaedic Technologies, American Academy of Orthopaedic Surgeons, San Francisco, CA, 03/11/2004

“Hydraulically expandable nails for the treatment of long bone fractures and pseudarthroses.” Disc Orthopaedic Technologies, American Academy of Orthopaedic Surgeons, San Francisco, CA, 03/10/2004

“Hydraulically expanded nails: Clinical aspects.” *Fixion* Intramedullary Nailing Symposium, Louisville, KY, 05/16/2003

Awards & Honors

University of Louisville Department of Orthopaedic Surgery Resident Teaching Award, 2009

Business First Magazine’s “Forty Under 40”, Louisville, KY, 2008

University of Louisville Delphi Center for Teaching and Learning “Faculty Favorite” nominee, 2007

Featured in Velocity Weekly “Generation Next 2007: Meet 17 rising stars shaping Louisville’s arts, politics, sports, fashion, medicine and more.” Sept. 19-25, 2007.

Mid-America Orthopaedic Association Educational Grant for New In-Practice Orthopaedists Recipient, 2007

“Guide to America’s Top Orthopedists” 2007; Consumers’ Research Council of America, 2007

Business First magazine “People on the Move” Louisville, KY, 2005

Gerhard Kuntscher Resident Teaching Award University of Louisville Department of Orthopaedic Surgery, 2004

American Orthopaedic Association Emerging Leaders Program, 2004

Kentucky Committee on Trauma Resident Research Competition, 1st Place, 2003

Kentucky Orthopaedic Society Resident Research Competition, 2nd Place, 2003

O. J. Hurt Award University of Louisville Department of Orthopaedic Surgery, 2000

Alpha Omega Alpha Honor Society, 1999

Association of Pathology Chairs Honor Society, 1997

Alpha Epsilon Delta Honor Society, 1995

Board of Overseers Scholarship Recipient, 1993 to 1994

Golden Key Honor Society, 1993 to 1994

Phi Eta Sigma Honor Society, 1992

Trustees Scholarship, 1991 to 1995

President’s and Dean’s List Honors, 1991 to 1995

College of Arts and Sciences Honors Program, 1991 to 1995

National Merit Finalist, 1991 to 1995

Professional Society Affiliations

American Academy of Orthopaedic Surgeons – Fellow

Musculoskeletal Tumor Society - Active

Mid-America Orthopaedic Association – Active

Connective Tissue Oncology Society, 2005

Kentucky Orthopaedic Society, 2005

American Medical Association, 2005

Kentucky Medical Association, 2005

Greater Louisville Medical Society, 2005

American Orthopaedic Association Emerging Leaders Program, 2004

Alpha Omega Alpha Honor Society, 1999

University of Louisville School of Medicine Alumni Association, 1999