



Bernard J. Dardzinski

PhD



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EDUCATION

Lehigh University

BS, Electrical Engineering, Solid State Physics | 1989

Worcester Polytechnic Institute

PhD, Biomedical Engineering | 1990-1994

Additional Information

My NCBI; My Bibliography

<https://www.ncbi.nlm.nih.gov/myncbi/1VgGz2W6cX8A0/bibliography/public/>

H-Index: 44; I10 – Index: 72:

https://scholar.google.com/citations?hl=en&user=-GDjFx4AAAAJ&view_op=list_works&authuser=1

PROFESSIONAL SUMMARY

- Exceptional leader in clinical and preclinical quantitative biomedical imaging, diagnostic imaging physicist
- Broad therapeutic area expertise
- Review for multiple NIH grant committees
- Contributed to imaging protocol for the NIH Osteoarthritis Initiative
- Reviewer for multiple high-impact journals
- >250 peer-reviewed publications and presentations
- Experienced institutional leader (University Steering Committees, Faculty Senate, IRB)

PROFESSIONAL EXPERIENCE

Mar 2020 – Present

The Bracken Group

Medical Imaging Consultant, Partner

Mar 2014 – Present

Uniformed Services University of the Health Sciences: Bethesda, MD

Principal Investigator; Laboratory Director

- *PI and Laboratory Director for Translational Imaging, Center for Neuroscience and Regenerative Medicine*
- *Traumatic Brain Injury, MRI, PET, Computed Tomography, Neuroimaging*
- *Focus on optimizing of imaging modalities for characterization of brain injury, sequelae, treatment impact*
- *Management of >\$5MM in grant awards*
- *Authorship of >40 publications and presentations from this period*
- *Teaching responsibilities including supervision of graduate and medical students, class lectures*
- *Served on multiple program/scientific planning committees and as table chair for relevant conferences*

Dec 2012 – Mar 2014

Children's Hospital of Philadelphia; Philadelphia, PA

Senior Clinical Research Scientist

- *Magnetic Resonance Elastography, MSK Diffusion Imaging, Body MRI*
- *Initiated imaging research program in pediatric liver disease*
- *Supervised medical and graduate students*

Dec 2007 – Dec 2012

Merck Research Laboratories; West Point, PA

Senior Director/ Research Fellow/ Distinguished Imaging Scientist

- *Bio-maker Imaging Lead for Bone, Respiratory, Immunology, and Endocrinology Franchises*
- *Responsible for imaging strategy within these therapeutic areas*
- *Accountable for all imaging activities within clinical trials, including novel imaging endpoints*
- *Supervision of clinical research organization partners, particularly for phase II trials*

PROFESSIONAL EXPERIENCE

Dec 1997 –
Dec 2007

Cincinnati Children's Hospital Medical Center; Cincinnati, OH

Division Chief, Radiology Research and Imaging Research

- *Juvenile Idiopathic Arthritis, MR microimaging, Imaging Physics, Pulse Sequence Programming*
- *3T and 7T MR system installations*
- *Major contributions in the field of pediatric musculoskeletal imaging methods*
- *Accountable for staff of >25, multi-million-dollar operating budget*
- *Advisor to multiple successful medical and graduate students, lectures totally > 100 contact hours*

Jun 1994 – Dec
1997

Pennsylvania State University College of Medicine, NMR Center; Hershey, PA

Instructor, Post-Doctoral Scholar

- *Hypoxic Ischemia, 31P Spectroscopy, MRI Control Console, MRI, MRS, T2 mapping cartilage, 100g/cm gradient set*

Sep 1989 – Sep
1991

Hampshire Instruments; Marlborough, MA

Metrology Project Leader

- *Scanning electron microscopy, X-ray lithography*

May 1985 –
Sep 1989

AT&T Bell Laboratories; Bethlehem, PA

Senior Technical Leader

- *Scanning electron microscopy, optical lithography, 1M DRAM, 32-bit microprocessor, photocleave*