

Rajesh Bazaz, M.D.

Curriculum Vitae

Western Ortho
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Education:

University of Michigan School of Medicine, Ann Arbor Michigan: M.D., Cum Laude; 1993-1997.
Wayne State University, Detroit Michigan: B.A. Biological Sciences, Summa Cum Laude; 1989-1993.
Novi High School, Novi Michigan: Graduation Diploma, Cum Laude; 1985-1989.

Post Graduate Education:

Southern California Orthopaedic Institute, Sports Medicine. Van Nuys California: Fellowship; 2003-2004.
Case Western Reserve University, Department of Orthopaedics. Cleveland Ohio: Residency; 1999-2003.
Case Western Reserve University, Cartilage Repair. Cleveland Ohio: Fellowship; 1998-1999.
Case Western Reserve University, Department of General Surgery. Cleveland Ohio: Internship; 1997-1998.

USMLE/Boards:

Step I: 241
Step II: 235
Step III: 230
Ortho Step I: Pass

Honors and Awards:

Barry Freidman Orthopaedic Research award – 3rd place – Lutheran Hospital, 2002.
Cleveland Orthopaedic Society Research award- 2nd place, 2002.
Freehafer Outstanding Orthopaedic Junior Resident award - CWRU, 2001.
University of Michigan Medical School - top five graduate award, 1997.
University of Michigan Medical School - distinction in research graduate award, 1997.
Alpha Omega Alpha - Junior year, 1996.
Wayne State University-Distinguished Graduate award, 1994.
Wayne State University Presidential Merit Scholarship, 1989-1993.
Phi Beta Kappa, 1993.

Research Experience:

Allen Orthopaedic Research Fellow, Case Western Reserve University, Department of Orthopaedic Surgery, Cleveland Ohio; July 1998 – 1999.

Research Technician. Wayne State University, Department of Radiation Oncology, Cancer Biology Division, Detroit Michigan; May - August 1994.

Student Research Assistant. Wayne State University, Department of Radiation Oncology, Cancer Biology Division, Detroit Michigan; August 1991 - July 1993.

Howard Hughes Medical Institute Summer Internship. Wayne State University, Department of Biological Sciences, Detroit Michigan; May - August 1991.

Directed Studies Program. Wayne State University, Department of Radiation Oncology, Cancer Biology Division, Detroit Michigan; May 1990 - May 1991.

Michigan State Board of Education Summer Institute for the Arts and Sciences-Biomedical Technology. Western Michigan University, Kalamazoo Michigan; August 1988.

Teaching Experience:

Skeletal Anatomy Instructor. Case Western Reserve University Medical School, Cleveland Ohio. August 1998.

Laboratory Instructor. Wayne State University, Department of Radiation Oncology, Cancer Biology Division, Detroit Michigan. August 1991 - July 1993.

Published Manuscripts:

Bazaz, R and R. Ferkel. 2004. Treatment of Osteochondral Lesions of the Talus with Autologous Chondrocyte Implantation. *Techniques in Foot and Ankle Surgery*.

Bazaz, R., Lee, M., and J. Yoo. 2002. Incidence of Dysphagia after Anterior Cervical Spine Surgery – A Prospective Study. *Spine*. 27(22):2453-2458.

Timar, J., B. Liu, R. Bazaz, and K.V. Honn. 1996. Association of Protein Kinase C- α with Cytoplasmic Vesicles in Melanoma Cells. *J. Histochem. Cytochem.* 44:172-182.

Timar, J., M. Trikhe, K. Szekeres, R. Bazaz, J. Tovari, S. Silletti, A. Raz, and K.V. Honn. 1996. Autocrine Motility Factor Signals Integrin Mediated Metastatic Melanoma Adhesion and Invasion. *Cancer Res.* 56(8):1902-8.

Timar, J., R. Bazaz, V. Kimler, M. Haddad, D.G. Tang, D. Robertson, J. Toveri, J.D. Taylor, and K.V. Honn. 1995. Immunomorphological Characterization and Effects of 12(S)-HETE on a Dynamic Intracellular Pool of the α IIb β 3 Integrin in Melanoma Cells. *J. Cell Sci.* 108:2175-86.

Tang, D.G., C.A. Diglio, R. Bazaz, and K.V. Honn. 1995. Transcriptional Activation of Endothelial Cell Integrin α v by Protein Kinase C Activator 12(S)-HETE. *J. Cell Sci.* 108:2629-44.

Honn, K.V., J. Timar, J. Rozhin, R. Bazaz, M. Sameni, G. Ziegler, J.D. Taylor, and B.F. Sloane. 1994. A Lipoxygenase Metabolite, 12(S)-HETE, Stimulates PKC-Mediated Release of Cathepsin B from Malignant Cells. *Exptl. Cell Res.* 214:120-130.

Timar, J., D.G. Tang, R. Bazaz, M.M. Haddad, V.A. Kimler, J.D. Taylor, and K.V. Honn. 1993. PKC Mediates 12(S)-HETE Induced Cytoskeletal Rearrangement in B16a Melanoma Cells. *Cell Motility and the Cytoskeleton* 26:49-65.

Timar, J., S. Siletti, R. Bazaz, A. Raz, and K.V. Honn. 1993. Regulation of Melanoma Cell Motility by the Lipoxygenase Metabolite 12(S)-HETE. *Intl. J. Cancer* 55:1003-1010.

Liu, B., C. Renaud, K.K. Nelson, R. Bazaz, J. Kownyia, J. Timar, C.A. Diglio, and K.V. Honn. 1992. The Protein Kinase C Inhibitor Calphostin C Reduces Melanoma Cell Adhesion to Endothelium and Lung Colonization. *Intl. J. Cancer* 53:1-6.

Timar, J., Y.Q. Chen, B. Liu, R. Bazaz, J.D. Taylor, and K.V. Honn. 1992. The Lipoxygenase Metabolite 12(S)-HETE Promotes Cytoadhesion α IIb β 3 Mediated Tumor Cell Spreading on Fibronectin. *Intl. J. Cancer* 52:594-603.

Honn, K.V., K.K. Nelson, C. Renaud, R. Bazaz, C.A. Diglio, and J. Timar. 1992. Fatty Acid Modulation of Tumor Cell Adhesion to Microvessel Endothelium and Experimental Metastasis. *Prostaglandins* 1:413-429.

Invited Book Chapters and Proceedings of Symposia:

Timar, J., R. Bazaz, D.G. Tang, V. Kimler, J.D. Taylor, and K.V. Honn. 1995. Post-Translational Regulation of Surface Integrin Expression in Tumor Cells by 12(S)-HETE. In: *Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury*. (K.V. Honn, L. Marnett, and S. Nigam, eds.), Kluwer Academic Publishers, Boston.

Taylor, J.D., J. Timar, D. Tang, R. Bazaz, H. Chopra, V. Kimler, and K.V. Honn. 1992. 12(S)-HETE Induces Cytoskeleton Phosphorylations and Rearrangement in Melanoma Cells. In: *Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury*. (S. Nigam, K.V. Honn, L. Marnett, T.L Walden, eds.), pp. 635-638, Kluwer Academic Publishers, Boston.

Timar, J., B. Liu, R. Bazaz, J.D. Taylor, and K.V. Honn. 1992. Fatty Acid Modulation of Cancer Cell Spreading and Cytoskeleton Rearrangement: In: *Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury*. (S. Nigam, K.V. Honn, L. Marnett, T.L Walden, eds.), pp. 639-643, Kluwer Academic Publishers, Boston.

National Presentations/Abstracts:

Bazaz, R., Lee, M., and J. Yoo. 2002. Risk Factors for the Development of Dysphagia after Anterior Cervical Spine Surgery. North American Spine Society.

Bazaz, R. and J. Yoo. 2001. Incidence of Dysphagia Following Anterior Cervical Spine Surgery. Cervical Spine Research Society.

Bazaz, R., J. Janicki, J. Yoo, S. Brady-Kalnay, and B. Johnstone. 2000. Cell-Cell Adhesion During In-Vitro Chondrogenesis. Orthopaedic Research Society.

Bazaz, R., J. Yoo., and B. Johnstone. 2000. PKC Involvement in the Regulation of In Vitro Chondrogenesis. Orthopaedic Research Society.

Yoo, J., R. Bazaz, H. Bohlman, and C. Bro. 2000. A Non Spinal Cause of Somatosensory Evoked Potential Changes During Anterior Cervical Surgery. Cervical Spine Research Society.

Timar, J., Y.Q. Chen, R. Bazaz, K. Szekeres, and K.V. Honn. 1995. α IIb β 3 Integrin is Expressed in the Constitutively Active Conformation on Tumor Cells and Mediates Cell Invasion. Proc. of the Amer. Assoc. for Cancer Res.

Liu, B., W.A. Khan, Y.A. Hannun, R. Bazaz, C. Renaud, S. Stojekovic, J. Timar, J.D. Taylor, and K.V. Honn. 1994. 12(S)-HETE and 13(S)-HODE Regulation of Protein Kinase C Through Hydrolysis of Inositol Phospholipids: Role in Tumor Cell Adhesion to Fibronectin. Proc. of the Amer. Assoc. for Cancer Res.

Liu, B., Y.A. Hannun, R. Bazaz, W. Khan, C. Renaud, S. Stojakovic, J. Timar, J.D. Taylor, W.C. Westel, and K.V. Honn. 1993. Monohydroxy Fatty Acid Modulated Association of Protein Kinase C to Membrane and Cytoskeleton in Melanoma Cells. Proc. of the Amer. Assoc. for Cancer Res.

Liu, B., C. Renaud, K.K. Nelson, R. Bazaz, J. Kownyia, J. Timar, C.A. Diglio, and K.V. Honn. 1992. The Protein Kinase C Inhibitor Calphostin C is Anti-metastatic in Melanoma Cells. Proc. of The American Association for Cancer Research.

Rozhin, J., J. Timar, R. Bazaz, M. Sameni, G. Ziegler, B. Sloane, and K.V. Honn. 1992. 12(S)-HETE Induces Cathepsin B Release from Malignant Cells. Proc. of International Committee on Proteolysis.

Timar, J., B. Liu, R. Bazaz, J.D. Taylor, and K.V. Honn. 1991. Fatty Acid Modulation of Cancer Cell Spreading and Cytoskeletal Rearrangement. Proc. of the Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury meeting.

Liu, B., K.K. Nelson, C. Renaud, R. Bazaz, J. Timar, L. Marnett, and K.V. Honn. 1991. Lipoxygenase Metabolites of Arachadonic and Linoleic Acid Influence Metastatic Behaviors of Tumor Cells. Proc. of the Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury meeting.

Liu, B., C. Renaud, K.K. Nelson, R. Bazaz, J. Kownyia, J. Timar, and K.V. Honn. 1991. An Alternative Pathway for Protein Kinase C Activation by 12(S)-Hydroxyeicosetetrenoic Acid-Role in Tumor Cell Metastasis. Proc. of Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury meeting.

Liu, B., C. Renaud, K.K. Nelson, Y.Q. Chen, R. Bazaz, J. Timar, C.A. Diglio, and K.V. Honn. 1991. Overexpression of Protein Kinase C and Metastatic Ability in Melanoma Cells- Role of 12(S)-Hydroxyeicosetetrenoic Acid. Proc. of the American Society for Cell Biology.