

CURRICULUM VITAE

John Edward Phay, MD

john.phay@vanderbilt.edu
Division of Surgical Oncology
597 Preston Research Building
Vanderbilt University Medical Center
Nashville, TN 37232-6860

Date of Birth

December 9, 1964

Education

B.A., Williams College 1983 - 1987
Williamstown, Massachusetts

M.D., University of California at San Francisco School of Medicine 1988 - 1993
San Francisco, California

Training

Resident in General Surgery (including 4 years of basic science research) 1993 - 2002
Washington University School of Medicine
St. Louis, Missouri

Academic Appointments

Assistant Professor of Surgery 2002 - present
Division of Surgical Oncology and Endocrinology
Vanderbilt University
Nashville, Tennessee

Honors, Awards, and Grants

Phi Beta Kappa 1986
Sigma Xi 1987
Cum laude with Highest Honors in Biology from Williams College 1987
UCSF Summer Fellowship 1989
Howard Hughes Medical Institute Fellowship 1991 - 1992
Surgical Oncology Training Grant Fellowship 1996 - 1998
(Samuel A. Wells' NIH grant)
Washington University Cancer Center Grant (#97-06 - \$25,000/yr. for 2 yrs) 1997
Surgical Oncology Training Grant Fellowship 1998 - present

(Timothy J. Eberlein's NIH grant # 5T32CA009621-13)
Samuel A. Wells Annual Resident Research Award 1999
Alpha Omega Alpha, Honor Medical Society 2001
Washington University Chapter

Research

Howard Hughes Research Fellowship 1991 - 1992
University of California at San Francisco
Developing techniques for DNA transformation of
Entamoeba histolytica in the laboratory of Nina Agabian, Ph.D.

Surgical Oncology Training Grant Fellowship 1996 - 2000
Washington University School of Medicine
Cloned and characterized novel glucose transporters in the laboratory
of Jeffrey Moley, MD. This work formed the basis for a successful NIH grant
(#1R21DK059518-01 SLC2A9, A Candidate ER GLUT in Normal and Cancer cells.)

Work Experience

Operations Crossroads Africa 1985
Botswana, Africa
Health clinic work in rural villages.

Cook Juku School (Awarded annually to two Williams seniors) 1987 - 1988
Osaka, Japan
Taught conversational English to students age 5 to 70.

Community Medicine in International Perspective 1989
San Jose, Costa Rica
Health clinic work and studied Spanish.

Publications

Phay JE, Moley JF. "Evidence for a Novel Glucose Transporter in Sarcomas." Owen H. Wangenstein Surgical Forum 1998; XLIX: 416-17.

Phay JE, Rubin B. "Venous Disease." In: Doherty et al (eds). The Washington Manual of Surgery (2nd ed). Philadelphia: Lippincott Williams and Wilkins, 1999.

Phay JE, Moley JF. "Cancer Susceptibility Genetics." In: Winchester et al (eds). Cancer Surgery for the General Surgeon. Philadelphia: Lippincott-Raven, 1999.

Phay JE, Moley JF. "Parathyroid: Conventional Surgical Treatment." In: Schein, Wise (eds). Crucial Controversies in Surgery. Vol. 3. Philadelphia: Lippincott Williams and Wilkins, 1999.

Moley JF, Lairmore TC, Phay JE. "Inherited Endocrinopathies." Current Problems in Surgery. 36(9):653-762, 1999.

Phay JE, Hussain H, Moley JF. "Cloning and Expression Analysis of a Novel Member of the Facilitative Glucose Transporter Family, SLC2A9 (GLUT9)." Genomics. 66(2):217-20, 2000.

Phay JE, Moley JF, Lairmore TC. "Multiple Endocrine Neoplasias." Seminars in Surgical Oncology. 18 (4):324-32, 2000.

Phay JE, Hussain H, Moley JF. "Strategy for Identification of Novel Glucose Transporter Family Members by using Internet-based Genomic Databases." Surgery. 128(6):946-51, 2000.

Moley JF, Phay JE. "Genetics of Cancer." In: Norton et al (eds). Surgery: Basic Science and Clinical Evidence. New York: Springer-Verlag, 2001.

Phay JE, Moley JF. "Hereditary Tumor Syndromes and Genetic Counseling." In: Doherty, et al (eds). Washington Manual of Surgery (3rd Ed). Philadelphia: Lippincott Williams and Wilkins, 2002.

Cohen MS, Phay JE, Albinson C, DeBenedetti MK, Skinner MA, Lairmore TC, Doherty GM, Balfe DM, Wells SA, Moley JF. "Gastrointestinal Manifestations of Multiple Endocrine Neoplasia Type 2." Annals of Surgery. 235(5):648-655, 2002.

Phay JE, Hussain H, and Moley JF. "Sarcomas Do Not Express Significant Levels of Glut1, 2, 3, or 4, but do express GLUT8 and GLUT9 mRNA." (in submission to Cancer Research).

Phay JE, Carayannopoulos M, Cohen M, Moley JF, Moley KH. "SLCA9 (hGLUT9) is a Facilitative Glucose Transporter Localized to the Endoplasmic Reticulum." (submitted to Journal of Biological Chemistry).

Presentations

Phay JE, Hussain H, Ogunbiyi OA, Moley JF. "Increased Glucose Uptake in Colon Cancer is Mediated by the Facilitative Transporters GLUT1 and GLUT3 and the Active Transporter SGLT1." Society of Surgical Oncology Annual Meeting, Chicago, on March 14, 1997.

Phay JE, Hussain H, Moley, JF. "Glut1 and Glut3 Mediate the Increased Glucose Uptake in Primary and Metastatic Colorectal Cancer and can be regulated *in vitro* with Antisense." American Association for Cancer Research Annual Meeting, New Orleans, on March, 9 1998.

Phay JE, Moley JF. "Evidence for a Novel Glucose Transporter in Sarcomas." 84th Clinical Congress of the American College of Surgeons, Orlando, on October 26, 1998.

Phay JE, Moley JF. "Glut1 Primarily Mediates the Increased Glucose Uptake in Colorectal Cancer and their Metastases and can be regulated *in vitro* with Antisense to Inhibit Growth." Samuel A. Wells, Jr. Resident Research Day, St. Louis, on February 3, 1999.

Phay JE, Moley JF. "Glut1 Antisense is able to Decrease Glut1 mRNA, Glucose Uptake, and Cell Growth in a Colorectal Cancer Cell Line." FASEB summer research conference on Glucose Transporters in Snowmass, CO, on July 20, 1999.

Phay JE, Hussain H, Moley JF. "Cloning of a Novel Member of the Glucose Transporter Family which is expressed in Multiple Cancers." 85th Clinical Congress of the American College of Surgeons, San Francisco, on October 13, 1999.

Phay JE, Hussain H, Moley JF. "Expression of a Novel Member of the Glucose Transporter Family in Multiple Cancers." American Association of Cancer Research Annual Meeting, San Francisco, on April 4, 2000.

References

Jeffrey F. Moley, MD
Professor of Surgery
Chief, Division of Surgical Oncology and Endocrinology
Washington University School of Medicine
660 S. Euclid Ave, Box 8109
St. Louis, MO 63110
(314) 747-0064
moleyj@msnotes.wustl.edu

Gerard M. Doherty, MD
NW Thompson Professor of Surgery
Head, Section of General Surgery
University of Michigan
2920 Taubman Center
Ann Arbor, MI 48109
(734) 936-5818
gerardd@med.umich.edu

10/15/02