

# CURRICULUM VITAE

**THOMAS KEITH BILLS, M.D., PH.D.**

## **BUSINESS ADDRESS:**

- Mercer-Bucks Orthopaedics, P.C.  
3120 Princeton Pike  
Lawrenceville, New Jersey 08648  
609-896-0444
- Hamilton Medical Arts Bldg.  
2501 Kuser Road, 3<sup>rd</sup> Floor  
Hamilton, NJ 08691  
609-587-4777
- St. Clare Medical Building  
1203 Langhorne-Newtown Road, Suite 220  
Langhorne, PA 19047  
215-860-4274

## **HOSPITAL STAFF APPOINTMENTS:**

- Capital Health Systems – Hopewell  
One Capital Way  
Pennington, NJ 08534  
Active Staff – June 1986 - Present
- RWJ University Hospital @ Hamilton  
One Hamilton Health Place  
Hamilton, NJ 08690  
Active Staff – March 1986 - Present
- St. Mary Medical Center  
1201 Langhorne-Newtown Road  
Langhorne, PA 19047  
Associate Staff – January 1984 - Present
- Trenton Psychiatric Hospital (Consulting Only)  
Sullivan Way  
Trenton, NJ 08628
- Lawrence Rehabilitation Center  
2381 Lawrenceville Road  
Lawrenceville, New Jersey 08648  
Active Attending Staff – February 1988 – January 2011

- The Hospital for Special Surgery  
Department of Orthopaedic Research  
Cornell Medical School  
New York, New York  
Research Staff, Visiting Scientist
- Metabolic Bone Disease Service and Osteoporosis Center  
The Hospital for Special Surgery  
Cornell Medical School  
New York, New York  
Consulting Staff Physician

#### **FELLOWSHIP:**

- Orthopedic Research and Metabolic Bone Disease Fellow
- The Hospital of Special Surgery and New York Hospital
- Cornell Medical School, New York, New York  
July 1, 1985 to June 30, 1986

#### **RESIDENCY TRAINING:**

- Orthopaedic Surgery  
UMDNJ – Robert Wood Johnson Medical School  
Piscataway, New Jersey  
July 1, 1981 to June 30, 1985
- Pediatric Orthopaedic Surgery  
The Children’s Hospital of Philadelphia  
Philadelphia, Pennsylvania  
January 1, 1983 to June 30, 1983
- Bone Tumor Service  
Memorial Sloan-Kettering Cancer Center  
New York, New York  
March 1, 1984 to April 30, 1984

#### **INTERNSHIP:**

- General Surgery  
UMDNJ-Robert Wood Johnson Medical School  
Piscataway, New Jersey  
July 1, 1980 to June 30, 1981

**MEDICAL SCHOOL:**

- Thomas Jefferson University  
Philadelphia, Pennsylvania  
Degree: M.D., June 1980

**POST GRADUATE EDUCATION:**

- Thomas Jefferson University  
Philadelphia, Pennsylvania  
Degree: Ph.D. (Pharmacology), June 1977

**UNDERGRADUATE:**

- Syracuse University  
Syracuse, New York  
Degree: B.S. (Biology), June 1972

**EMPLOYMENT HISTORY:**

- Toxicologist / Poison Information  
Office of the Medical Examiner  
Philadelphia, Pennsylvania  
June 1972 to November 1972
- Research Assistant  
Cardeza Foundation  
Thomas Jefferson University  
Philadelphia, Pennsylvania  
November 1972 to August 1977
- Mercer Orthopaedic Associates  
123 Franklin Corner Road  
Lawrenceville, NJ 08648  
July, 1986 to March, 1994
- Mercer-Bucks Orthopaedics, P.C.  
3120 Princeton Pike  
Lawrenceville, NJ 08648  
April, 1994 to Present

**LICENSURE:**

- Certified by National Board of Medical Examiners  
State of New Jersey, 4/1982  
State of Pennsylvania, 3/1988

## **BOARD CERTIFICATION:**

- Diplomate of the American Board of Orthopedic Surgery, July 1988  
Recertified July, 1996  
Recertified July, 2008

## **HONORS AND AWARDS:**

- College:
  - Dean's List –Spring 1971; Fall and Spring 1972
- Graduate School:
  - Cardeza Foundation Fellowships  
September 1973 to August 1974  
September 1974 to August 1975
  - N.I.H. Fellowship  
September 1975 to August 1976
  - The Charles W. LaBelle Prize awarded as the  
Outstanding candidate for the degree of  
Doctor of Philosophy, June 1977
- Medical School:
  - Who's Who Among Students in American  
Universities and Colleges, 1977-1978
  - First Prize, Thomas Jefferson University
  - Research Day, April 1978
- Post-Graduate:
  - National Research Service Award  
The Hospital for Special Surgery July 1985

## **MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS:**

- Sigma XI, The Scientific Research Society of North America
- American Medical Association
- Medical Society of New Jersey
- Mercer County Medical Society
- New York Metropolitan Bone Club

## **SPEAKING ENGAGEMENTS:**

- **Graduate School:**
  - International Symposium on Prostaglandins in Biological Systems  
Vail, Colorado February, 1976

- International Symposium on Prostaglandins in Hematology  
Philadelphia, Pennsylvania March 1976
  - Gordon Scientific Research Conference  
Hemostasis and Thrombosis Section  
Session Chairman  
Prostaglandins and Platelet Function  
Andover, New Hampshire May, 1976
  - Medical School:  
Visiting Scientist Seminar  
N.I.H. Main Campus  
Bethesda, Maryland April 1977
  - Invited Symposium V  
Platelets: Intravascular Control Mechanisms”  
At the 5th International Congress on Thrombosis and Hemostasis  
Philadelphia, Pennsylvania June 1977
- **Residency:**
    - Prevention to Thromboembolic Disease in Patients Undergoing  
Total Hip Replacement  
Annual Meeting of New Jersey  
Orthopedic Society, May 1984
  - **Fellowship:**
    - Invited Speaker  
Prostaglandins in Bone Metabolism and Metabolic Bone Disease,  
Merck Scientific Retreat, Merck Ranch, June 1986

## **BIBLIOGRAPHY:**

- Bills, T.K., Silver, M.J.: Phosphatidylcholine is the Primary Source of Arachidonic Acid Utilized by Platelet Prostaglandin Synthetase, Fed. Proc., 1975:34:3228
- Bills, T.K., Smith, J.B., Kocsis, J.J., Silver, M.J.: Metabolism of Potential Antithrombotic Agent (8,11,14-elcosatrienoic acid) by Human Platelets. Fed.Proc., 1976; 35-2034
- Bills, T.K., Smith J.B., Silver, M.J., : Metabolism of 14-C-arachidonic Acid by Human Platelets. Biochim. Biophys.Acta., 1976: 424-303
- Bills, T.K., Smith, J.B., Silver, M.J.: Platelet Uptake, Release of Oxidation of 14-C-arachidonic Acid. In “Prostaglandins in Hematology”. Spectrum Publications, Inc., New York, New York, 1976
- Doctoral Thesis: “The Metabolism of Arachidonic Acid by Human Platelets: elucidation of Mechanisms that Control the Synthesis of Prostaglandins and Thromboxanes”, Department of Pharmacology, Thomas Jefferson University, Philadelphia, Pennsylvania 1976
- Bills, T.K., Smith, J.B., Silver, M.J. : Selective Release of Arachidonic Acid from the Phospholipids of Human Platelets in Response to Thrombin. J. Clin. Invest., 1977: 60:1.

- Bills, T.K., Smith, J.B., Silver, M.J.: Human Platelet Phospholipase Activities: Formation of Lysophospholipid in Response to Thrombin Fed. Proc., 1977: 36:114
- Bills, T.K., Smith, J.B., Silver, M.J.: Intracellular Regulation of the Metabolism of Arachidonic Acid in Human Platelets. Throm. Res., 1977; 38:114.
- Bills, T.K., Smith, J.B., Silver, M.J.: Intracellular Regulation of the Metabolism of Arachidonic Acid in Human Platelets. Throm. Haem. (Stuttg.), 198; 40:219
- Silver, M.J., Bills, T.K., Smith, J.B.: Platelets and Prostaglandins: The Key Role of Platelet Phospholipase A2 Activity. In "Platelets: A Multidisciplinary Approach: Raven Press, New York, New York 1978
- Lewy, R.I., Bills, T.K., Dalton, J., Smith, J.B. Silver, M.J.: 19-Hydroxyprostaglandin E and Infertility in Human Males. Prostaglandins and Medicine, 1979; 2:367
- Holmsen, H., Smith, J.B., Daniel, J.L, Holme, S., Bills, T.K.: Platelet Biochemistry. In "The CRC Handbook Series in Clinical Laboratory Science: Hematology". CRC Press, Inc., West Palm Beach, Florida, 1979
- Bills, T.K., Zawadsky, J.P., Urs, W. S. : Use of Combined Modalities for the Prevention of Thromboembolic Disease in Patients Undergoing Total Hip Replacement. In preparation
- Lane, J.M., Healey, J., Bills, T.K.: Bone Metabolism. In "Orthopaedic Knowledge Update 2". American Academy of Orthopaedic Surgeons, Park Ridge, Illinois, 1987.
- Bills, T.K., Boskey, A., Lane, J.M., Steiner, D.: Metabolism of Arachidonic Acid in Osteogenesis and Chondrogenesis. In preparation
- Robbins, S., Bills, T.K., Lane, J.M. and Healey, J.: Intranasal Calcitonin in the Treatment of Paget's Disease. In preparation.
- Robbins, S.G., Urs, W, Bills, T.K., Zawadsky J.P.: The Prevention of Deep Vein Thrombosis Following Total Hip Arthroplasty by Combined Modalities, JBJS Trans. Vol 11:3, 462, 1987
- Robbins, S.G., Bills, T.K., Galsworthy, T, Lane, J.M.: The Safety and Efficacy of Long Term Intranasal Salmon Calcitonin in Paget's Disease. J. Bone and Min. Res. 3(51): 592, 1988