CURRICULUM VITAE

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EDUCATION:

1977 - B.S. Chemistry, University of Wisconsin-Milwaukee
1984 - Ph.D. Biochemistry, Medical College of Wisconsin

POSTGRADUATE EDUCATION:

January 1984 - July 1984
Postdoctoral Fellow - Medical College of Wisconsin, Department of Biochemistry, Milwaukee, Wisconsin
August 1984 - July 1986
Postdoctoral Fellow in Hemostasis - The Blood Center of Southeastern Wisconsin & Sinai Samaritan Medical Center, Milwaukee
August 1986 - July 1987
Postdoctoral Fellow in Hemostasis - Sinai Samaritan Medical Center, Milwaukee

FACULTY APPOINTMENTS:

July 1987 - November 1993	Assistant Professor, University of Wisconsin Medical School Sinai Samaritan Medical Center, Milwaukee
June 1988 - August 1999	Clinical Assistant Professor, School of Allied Health Professions, University of Wisconsin, Milwaukee
July 1992 - August 1993	Adjunct Assistant Professor, School of Dentistry, Marquette University, Milwaukee
August 1993 - August 1999	Assistant Professor, Dept. of Biomedical Sciences, College of Health Sciences, Marquette University, Milwaukee
November 1993 - July 2000	Adjunct Assistant Professor, University of Wisconsin Medical School, Sinai Samaritan Medical Center, Milwaukee
August 1999 - Present	Associate Professor, Dept. of Biomedical Sciences, College of Health Sciences, Marquette University, Milwaukee

HONORS AND SOCIETY MEMBERSHIPS:

Phi Beta Kappa	
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American Association Advancement of Sciences	1978 - Present
American Chemical Society	1978 - Present
New York Academy of Sciences	1988 - Present
International Fibrinogen Research Society	1990 - Present
Central Society for Clinical Research	1992 - Present
The American Society for Biochemistry and Molecular Biology	1999 - Present
Selected as a member of the 'Scientist Panel' of Index Copernicus International	2008 - Present
Appointed to the 'Community of Experts' of Reuter's Insight	2008 - Present

PUBLICATIONS:

1. Taketa F, Siebenlist KR, Kasten-Jolly J and Palosaari N. INTERACTION OF TRIETHYLTIN WITH CAT HEMOGLOBIN: IDENTIFICATION OF BINDING SITES AND EFFECTS OF HEMOGLOBIN FUNCTION (1980) Arch Biochem Biophys 203, 466-472.

2. Siebenlist KR and Taketa F. INHIBITION OF RED CELL AND YEAST HEXOKINASE BY TRIETHYLTIN BROMIDE (1980) Biochem Biophys Res Comm 95, 758-764.

3. Siebenlist KR and Taketa F. INTERACTION OF TRIETHYLTIN BROMIDE WITH COMPONENTS OF THE RED CELL (1981) Toxicol Appl Pharmacol 58, 67-75.

4. Siebenlist KR and Taketa F. THE EFFECT OF TEMPERATURE OF THE INHIBITION OF TROUT, CARP AND HUMAN RED CELL HEXOKINASE BY TRIETHYLTIN BROMIDE (1981) Comp Biochem Physiol 70C, 261-264.

5. Siebenlist KR and Taketa F. INACTIVATION OF YEAST HEXOKINASE B BY TRIETHYLTIN BROMIDE (1983) Biochemistry 22, 4229-4234.

6. Siebenlist KR and Taketa F. INACTIVATION OF YEAST HEXOKINASE B BY TRIETHYLTIN BROMIDE AND REACTIVATION BY DITHIOTHREITOL AND GLUCOSE (1983) Biochemistry 22, 4642-4646.

7. Siebenlist KR and Taketa F. THE EFFECTS OF TRIETHYLTIN BROMIDE ON RED CELL AND BRAIN CYCLIC AMP-DEPENDENT PROTEIN KINASES (1983) J Biol Chem 258, 11384-11390.

8. Siebenlist KR and Taketa F. ORGANOTIN PROTEIN INTERACTIONS; BINDING OF TRIETHYLTIN TO CAT HEMOGLOBIN (1986) Biochem J 233, 471-478.

9. Taketa F, Siebenlist KR and Mauk AR. INTERACTION OF TRIETHYLTIN BROMIDE WITH CAT HEMOGLOBIN, IN TIN AND MALIGNANT CELL GROWTH, CRC Press (1988) 107-116.

10. Mosesson MW, Siebenlist KR, DiOrio J, Hainfeld JF, Wall JS, Soria J, Soria C and Samama M. EVIDENCE THAT PROXIMAL AMINO-TERMINAL PORTIONS OF FIBRINOGEN METZ (A-alpha 16 Arg to Cys) A-ALPHA CHAINS ARE ORIENTED IN THE SAME DIRECTION, IN FIBRINOGEN AND ITS DERIVATIVES. Muller-Berghaus G, Scheefers-Borchel U, Selmayr E and Henschen A (eds.), (1986) Elsevier Science Publishers, 3-15.

11. Mosesson MW, DiOrio J, Muller MF, Shainoff JR, Siebenlist KR, Amrani, DL, Homandberg GA, Soria J, Soria C and Samama M. STUDIES OF THE ULTRASTRUCTURE OF FIBRINS LACKING FIBRINOPEPTIDE B (BETA-FIBRIN), (1987) Blood 69, 1073-1081.

12. Siebenlist KR, Prchal JT and Mosesson MW. FIBRINOGEN BIRMINGHAM: A NEW HETERODIMERIC DYSFIBRINOGENEMIA WITH DEFECTIVE FIBRINOPEPTIDE A RELEASE (A-ALPHA 16 ARG TO HIS), in Fibrinogen 2 Biochemistry, Physiology and Clinical Relevance. Lowe GDO, Douglas CD, Forbes CD and Henschen A (eds.), (1987) Elsevier Science Publishers, 63-66.

13. Siebenlist KR, Prchal JT and Mosesson MW. FIBRINOGEN BIRMINGHAM: A HETEROZYGOUS DYSFIBRINOGENEMIA (A-ALPHA 16 ARG TO HIS) CONTAINING HETERODIMERIC MOLECULES (1988) Blood 71, 613-618.

14. Siebenlist KR, Mosesson MW, DiOrio JP, Tavori S, Tatarsky I and Rimon A. THE ULTRASTRUCTURE OF FIBRIN PREPARED FROM FIBRINOGEN HAIFA (g 275 ARG ® HIS), in Proceedings of the 46th Annual Meeting of the Electron Microscopy Society of America. Bailey GW (ed.) (1988) San Francisco Press, Inc., 248-249.

15. Siebenlist KR, Mosesson MW, DiOrio JP, Tavori S, Tatarsky I and Rimon A. STUDIES ON THE POLYMERIZATION OF FIBRIN HAIFA (g 275 ARG ® HIS), in Fibrinogen 3 Biochemistry, Biological Functions, Gene Regulation and Expression. Mosesson MW, Amrani DL, Siebenlist KR, and DiOrio JP (eds.), (1988) Elsevier Science Publishers, 271-274.

16. Mosesson MW, Siebenlist KR, Amrani DL and DiOrio JP. EVIDENCE FOR THE EXISTENCE OF TRIMERIC AND TETRAMERIC PLASMIC D FRAGMENTS DERIVED FROM FIBRIL JUNCTIONS OR TRIFUNCTIONAL BRANCH POINTS IN THE CROSSLINKED FIBRIN MATRIX, in Fibrinogen 3 Biochemistry, Biological Functions, Gene Regulation and Expression. Mosesson MW, Amrani DL, Siebenlist KR, and DiOrio JP (eds.), (1988) Elsevier Science Publishers, 99-103.

17. Mosesson MW, Siebenlist KR, Amrani DL and DiOrio JP. IDENTIFICATION OF COVALENTLY LINKED TRIMERIC AND TETRAMERIC D DOMAINS IN CROSSLINKED FIBRIN (1989) Proc. Natl. Acad. Sci. USA 86, 1113-1117.

18. Siebenlist KR, Mosesson MW, DiOrio JP, Tavori S, Tatrsky I, and Rimon A. THE POLYMERIZATION OF FIBRIN PREPARED FROM FIBRINOGEN HAIFA (g 275 ARG® HIS) (1989) Thromb. Haemostas. 62, 875-879.

19. Mosesson, MW, Siebenlist KR, DiOrio JP and Budzynski AZ. STUDIES ON THE CONVERSION OF DES Bb 1-42 FIBRINOGEN TO FIBRIN AND THE THROMBIN BINDING PROPERTIES OF DES Bb 1-42 FIBRIN (1990) In: Fibrinogen 4. Current, Basic and Clinical Aspects (Matsuda M, S Iwanaga, A Takada, and A Henschen, eds) Elsevier Science Publishers, NY, p. 13-20.

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21. Kaminski M, Siebenlist KR and Mosesson MW. EVIDENCE FOR THROMBIN ENHANCEMENT OF FIBRIN POLYMERIZATION THAT IS INDEPENDENT OF ITS CATALYTIC ACTIVITY (1991) J. Lab. Clin. Med. 117, 218-225.

22. Siebenlist KR and Mosesson MW. FACTORS AFFECTING g CHAIN MULTIMER FORMATION IN CROSSLINKED FIBRIN (1992) Biochemistry 31, 936-941.

23. DiOrio JP, Siebenlist KR, Terukina S, Yamazumi K, Matsuda M, and Mosesson MW. THE ULTRASTRUCTURE OF FIBRIN PREPARED FROM FIBRINOGEN ASAHI (g 310 MET ® THR) AND FIBRINOGEN MORIOKA (g□275 ARG ® CYS), in Proceedings of the 50th Annual Meeting of the Electron Microscopy Society of America. Bailey GW (ed.) (1992) San Francisco Press, Inc., 1090-1091.

24. Koopman J, Haverkate F, Grimbergen J, Lord ST, Mosesson MW, DiOrio JP, Siebenlist KR, Legrand C, Soria J, Soria C, and Caen JP. THE MOLECULAR BASIS OF FIBRINOGEN DUSART (Aa Arg 554 ® Cys) AND ITS ASSOCIATION WITH ABNORMAL FIBRIN POLYMERIZATION AND THROMBOPHILIA (1993) J Clin Invest 91, 1637-1643.

25. Meh DA, Siebenlist KR, Bergtrom G, and Mosesson MW. THE CLEAVAGE SEQUENCE OF FIBRINOPEPTIDE A FROM FIBRINOGEN FRAGMENT E BY THROMBIN, ATROXIN, OR BATROXOBIN (1993) Blood Coag Fibrinol 4, 107-112.

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36. Siebenlist KR, and Mosesson MW. EVIDENCE FOR INTRAMOLECULAR CROSSLINKED Aa-g CHAIN HETERODIMERS IN PLASMA FIBRINOGEN. (1996) Biochemistry 35, 5817-5821.

37. Mosesson MW, Siebenlist KR, Hainfeld JF, Wall JS, Soria J, Soria C, and Caen JP. THE RELATIONSHIP BETWEEN THE FIBRINOGEN D DOMAIN SELF-ASSOCIATION/CROSSLINKING SITE (gXL) AND THE FIBRINOGEN DUSART ABNORMALITY (Aa R554C-ALBUMIN) - CLUES TO THROMBOPHILIA IN THE 'DUSART SYNDROME'. (1996) J Clin Invest 97, 2342-2350.

38. Siebenlist KR, Meh DA, and Mosesson MW. PLASMA FACTOR XIII BINDS SPECIFICALLY TO FIBRINOGEN MOLECULES CONTAINING g´ CHAINS. (1996) Biochemistry 35, 10448-10453.

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43. Siebenlist KR, Mosesson MW, Meh DA, DiOrio JP, Albrecht RM, and Olson JD. COEXISTING DYSFIBRINOGENEMIA (gR275C) AND FACTOR V LEIDEN DEFICIENCY ASSOCIATED WITH THROMBOEMBOLIC DISEASE (FIBRINOGEN CEDAR RAPIDS) (2000) Blood Coag Fibrinol 11, 293-304.

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50. Mosesson MW, Siebenlist KR, Hernandez I, Wall JS, and Hainfeld JF. FIBRIN ASSEMBLY AND CROSSLINKING ON A FIBRIN FRAGMENT E TEMPLATE. (2002) Thromb Haemostas 87, 651-658.

51. Siebenlist KR. A REBUTTAL: CROSS-LINKING OF FIBRINOGEN BY FACTOR XIII ZYMOGEN IS NOT APPARENT *IN VIVO*. (2003) Thromb Haemostas 89, 944-945.

52. Rosenthal AK, Mosesson MW, Gohr CM, Masuda I, Heinkel D, and Siebenlist KR. REGULATION OF TRANSGLUTAMINASE ACTIVITY IN ARTICULAR CHONDROCYTES THROUGH THROMBIN RECEPTOR-MEDIATED FACTOR XIII SYNTHESIS. (2004) Thromb Haemostas 91, 558-568.

53. Mosesson MW, Hernandez I, and Siebenlist KR. EVIDENCE THAT CATALYTICALLY-INACTIVATED THROMBIN FORMS DIMERS THAT BRIDGE BETWEEN FIBRIN/FIBRINOGEN FIBERS AND ENHANCE POLYMERIZATION. (2004) Biophys Chem 110, 93-100.

54. Siebenlist KR, Mosesson MW, Hernandez I, Bush LA, DiCera E, Shainoff JR, DiOrio JP, and Stojanovic L. STUDIES ON THE BASIS FOR THE PROPERTIES OF FIBRIN PRODUCED FROM FIBRINOGEN-CONTAINING GAMMA' CHAINS. (2005) Blood 106, 2730-2736.

55. Siebenlist KR. RESPONSE: FIBRINOGEN CONTAINING γ ' CHAINS; IS THE ASSAY MEASURING WHAT FARRELL'S GROUP EXPECTS? (2006) Blood 107, 3011-3012.

56. Brennan SO, Mosesson MW, Lowen R, Siebenlist KR, Matsunaga A. HYPOFIBRINOGENAEMIA RESULTING FROM NOVEL SINGLE NUCLEOTIDE DELETION AT CODON Bbeta58 (3404del A) ASSOCIATED WITH THROMBOTIC STROKE IN INFANCY. (2006) Thromb Haemost. 95, 738-739.

57. Mosesson MW, Siebenlist KR, Hernandez I, Lee KN, Christiansen VJ, McKee PA. EVIDENCE THAT α2-ANTIPLASMIN BECOMES COVALENTLY LIGATED TO PLASMA FIBRINOGEN IN THE CIRCULATION: A NEW ROLE FOR PLASMA FACTOR XIII IN FIBRINOLYSIS REGULATION. (2008) J Thromb Haemost 6, 1565-1570.

58. Siebenlist KR, Behm RA, Mosesson MW, Ariens R. DIFFERENTIAL CROSS-LINKING ACTIVITY OF THE VAL34 AND LEU34 FACTOR XIII VARIANTS. (In Preparation)

ABSTRACTS:

Siebenlist KR and Taketa F. INHIBITION OF YEAST HEXOKINASE B BY TRIETHYLTIN BROMIDE. (1981) Fed Proc 40, 1777.

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Taketa F and Siebenlist KR. ACTIVATION OF PROTEIN KINASES BY TRIETHYLTIN. [International Conference on Neurotoxicology of Selected Chemicals 1982] (1982) Neurotoxicol 3, 132-133.

Siebenlist KR and Taketa F. CAT HEMOGLOBIN: TRIETHYLTIN INTERACTION. (1984) Fed Proc 43, 331.

Siebenlist KR and Mosesson MW. CHARACTERIZATION OF TRIMERIC AND TETRAMERIC D FRAGMENTS DERIVED FROM CROSSLINKED FIBRIN-FACTORS AFFECTING TRIMER AND TETRAMER FORMATION. (1988) Clin. Res. 36, 876A.

Siebenlist KR, Mosesson MW, DiOrio JP, Soria J, Soria C, and Caen JP. THE POLYMERIZATION OF FIBRINOGEN DUSART (Aa 554 ARG ®□CYS) AFTER REMOVAL OF CARBOXY TERMINAL REGIONS OF THE Aa CHAINS. [XI International Fibrinogen Workshop, June 24-26, 1992].

Meh DA, Siebenlist KR, Bergstrom G, and Mosesson MW. THE CLEAVAGE SEQUENCE OF FIBRINOPEPTIDE A FROM FIBRINOGEN FRAGMENT E BY THROMBIN OR BATROXOBIN. [XI International Fibrinogen Workshop, June 24-26, 1992].

DiOrio JP, Siebenlist KR, Wall JS, and Hainfeld JF. THE ULTRASTRUCTURE OF FIBRIN PREPARED FROM FIBRINOGEN ASAHI (g310 MET ®□THR) AND FIBRINOGEN MORIOKA (g275 ARG ®□CYS). 50th Ann Mtg Electron Microscope Society of America (EMSA), 1090-1091, 1992.

Siebenlist KR and Mosesson MW. PEAK 2 FIBRINOGEN SERVES AS THE CARRIER OF PLASMA FACTOR XIII. [XII International Fibrinogen Workshop, June 30-July 2, 1993].

Mosesson MW, DiOrio JP, Siebenlist KR, Wall JS, and Hainfeld JF. FORMATION OF TRIMOLECULAR AND TETRAMOLECULAR FIBRIL BRANCH JUNCTIONS IN FIBRIN NETWORKS. [XII International Fibrinogen Workshop, June 30-July 2, 1993].

Mosesson MW, DiOrio JP, Siebenlist KR, Wall JS, and Hainfeld JF. THE TRIMOLECULAR JUNCTION - A UNIQUE SECOND MECHANISM FOR FIBRIN CLOT NETWORK BRANCHING. [XIVth Congress of the International Society on Thrombosis and Haemostasis, July 5-9, 1993].

Siebenlist KR and Mosesson MW. THE RATE OF FIBRINOLYSIS OF FACTOR XIIIa CROSSLINKED FIBRIN CLOTS IS DECREASED WITH INCREASING LEVELS OF g-TRIMERS AND g-TETRAMERS. [XIVth Congress of the International Society on Thrombosis and Haemostasis, July 5-9, 1993].

Meh DA, Siebenlist KR, Bergtrom G, and Mosesson MW. THE SEQUENCE OF FIBRINOPEPTIDE A RELEASE FROM FIBRINOGEN BY THROMBIN AND ATROXIN. [Central Society for Clinical Research 1993] (1993) Clin Res 41, 631A.

Mosesson MW, and Siebenlist KR. FIBRIN ASSEMBLY AND STRUCTURE: AN EXAMINATION OF CROSSLINKING AND FIBRINOLYSIS. [XIII International Fibrinogen Workshop, September 14-17, 1994].

Siebenlist KR, and Mosesson MW. INTRAMOLECULARLY CROSSLINKED Aa•g CHAINS IN FIBRINOGEN. [XIII International Fibrinogen Workshop, September 14-17, 1994].

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DISSERTATION:

Interaction of Triethyltin with Proteins