

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.
Photocopy this page or follow this format for each person.

NAME Stephen R. Quint	POSITION TITLE Associate Research Professor		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Virginia Polytechnic Institute	BS	1965-1969	Electrical Engineering
University of Virginia	PH.D.	1970-1977	Biomedical Engineering
University of California at Los Angeles		1977-1978	Post Doctoral Scholar

A. Positions and Honors.

Positions and Employment

1977-1978 Postdoctoral Scholar. UCLA, Dept. of Physiology, LA, CA

1978-1979 Taught Medical and Dental students in the first year physiology lab, UCLA, LA, CA

1979 Research Associate. UCLA Medical Center, LA, CA

1979 Investigation of mechanisms controlling cerebral circulation during hypoxia and hyperoxia, with Dr. R.R. Sonnenschein (Physiology) and Dr. E.H. Rubinstein (Anesthesiology). Development of computer software for analysis of cardiopulmonary-sensitive neuronal unit activity in a study of the interrelationships between these variables during respiratory and cardiovascular perturbations.

1979 Visiting Assistant Professor. Dept of Neurology, UNC SOM, CH, NC

1979-1986 Assistant Professor. Department of Neurology, and appointed to the Graduate Faculty in the Curriculum of Biomedical Engineering at the UNC School of Medicine, Chapel Hill, NC.

1986-1992 Assistant Research Professor. Department of Neurology, and appointed to the Graduate Faculty in the Curriculum of Biomedical Engineering, University of North Carolina School of Medicine, Chapel Hill, North Carolina.

1992- Associate Research Professor. Department of Biomedical Engineering, with PRESENT joint appointment to the Department of Neurology, University of North Carolina School of Medicine, Chapel Hill, North Carolina.

1993- Associate Research Professor. Joint Appointment to the Curriculum in the Applied Sciences.

1999-2003 Associate Chair of Applied Science for Undergraduate Studies.

2003- Research Associate Professor of Biomedical Engineering, Primary Core Faculty

B. Selected peer-reviewed publications (in chronological order).

Quint SR, Michaels DF, Hilliard GW, Messenheimer JA: A real-time system for the spectral analysis of the EEG. *Comp. Meth. and Prog. Biomedicine*. Comput. Meth. Prog. Biomed., 1989;28:11-22.

Setty A, Vaughn BV, Quint SR, Robertson, KR, and Messenheimer JA: Heart Period Variability During Vagal Nerve Stimulation. Seizure 6;1-6, 1997.

Vaughn BV, Quint SR, Tennison MB, Greenwood RS, Messenheimer JA: Heart period variability in seizure related sinus arrest. J. Epilepsy 10;67-72, 1997.

Ikeda K, Vaughn B, Quint, SR: Cutting latency on assessing heart Period Variability Studies. LabVIEW Applications and solutions, Prentice Hall, pp. 33-37, 2000.

Johnson, T.A., R.L. Goldberg, S.R. Quint, C.C. Finley, H.S. Hsiao, S.B. Knisley. Accommodating an expanding curriculum with limited resources. Proceedings of the ASEE Southeast Section Conference (2003) [7 pg s/s text, 1 table, 3 figs] (Peer Review)

Quint, S.R., T.A. Johnson, C.N. Lucas, S.B. Knisley. Implementation of a 5-year, thesis-based BS/MS degree program in biomedical engineering. Proceedings of the ASEE Ann Conf and Expo (2003) [3 pg s/s text, 1 table, 0 fig] (Editorial Review)

D.S. Lalush, T. Harris, T.A. Johnson, S.B. Knisley. Biomedical engineering Master's degree coupled with a graduate level minor in business administration. Proceedings of the ASEE Ann Conf and Expo (2003) [5 pg s/s text, 0 table, 1 fig] (Editorial Review).

Megdad ZM, Quint SR, Tennison MB, D'Cruz O, Vaughn, BV. Heart rate variability during interictal epileptiform discharges, Epilepsy Research 54; 85-90, 2003

Zaatreh, MM, Quint SR, Tennison MB, D'Cruz O, Vaughn, BV. Heart rate variability during interictal epileptiform discharges, Epilepsy Research 54; 85-90, 2003.

Kruger, C., S.R. Quint, K. Ikeda, et. al., Some effects of recurring auditory experience in the 28-34-week-old fetus. Infant Behavior and Development, Vol 27, Issue 4, 2004.

S. R. Quint, C. N. Lucas, T. A. Johnson, S. B. Knisley, H. T. Nagle, C. F. Abrams, Jr., S. M. Blanchard, H. S. Hsiao, Formation of a Joint Biomedical Engineering Program between UNC-CH and NC State. Proceedings of the ASEE Ann Conf and Expo (2004).

C. Research Support

Ongoing Research Support

None

Completed Research Support

None