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**EDUCATION:**

Baccalaureate of Science (Biology) State University of New York at Albany, 1987. Independent Study with Dr. Lorraine Flaherty, 1986-1987.  
Master of Science (Microbiology, Immunology, and Molecular Genetics), Albany Medical College, 1994.  
Doctor of Philosophy (Microbiology, Immunology, and Molecular Genetics), Albany Medical College, 1996.

**AWARDS and HONORS:**

American Lung Association Award for distinguished science student, 1983  
New York State Regents Scholarship, 1983-1987  
Albany Medical College Trustee Scholarship, 1992-1996  
Albany Medical College Alumni Association Scholarship, 1993  
Albany Medical College Graduate Studies Program Student Travel Grant, 1995  
Honorable Mention for Excellence in Research, 1995  
NRSA Training Grant, University of Virginia Cancer Center, 1997-1999

**TEACHING EXPERIENCE:**

Teaching Assistant - Medical Microbiology Laboratory, 1992-1996  
Teaching Assistant - Literature Review, 1995-1996  
Instructor - GSAS815 "Molecular Basis of Cancer", Spring 2000

**MEETINGS and CONFERENCES:**

Presented an abstract at the Eastern New York Branch of the American Society for Microbiology Annual Spring Meeting 1993.  
Presented an abstract at the Eleventh International Symposium on Cellular Endocrinology, "Cell Signaling and the Cytoskeleton" sponsored by the W. Alton Jones Cell Science Center, Inc. 1995.  
Presented an abstract at the Keystone Symposium "Motility and Metastasis" 1998.

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Presented an abstract at the Tenth American Association of Cancer Research Special Conference, "Cancer Biology and the Mutant Mouse: New Methods, New Models, New Insights" 1999.

Presented an abstract at the Keystone Symposium "Joint Regulation of Signaling Pathways by Integrins and Growth Factors" 2000.

Presented an abstract at the Keystone Symposium "Cell Migration and Invasion" 2001.

## **PUBLICATIONS:**

Ramsingh, A., **J. Slack**, J. Silkworth, and A. Hixson. 1989. Severity of disease induced by a pancreatropic Coxsackie B4 virus correlates with the H-2K locus of the major histocompatibility complex. **Virus Research**. 14:347-358.

Ramsingh, A., A. Hixson, B. Duceman, and **J. Slack**. 1990. Evidence suggesting that virulence maps to the P1 region of the Coxsackievirus B4 genome. **Journal of Virology**. 64:3078-3081.

Walsh, A. C., **J. Slack**, and L. Flaherty. 1991. Characterization of several new MHC congenic strains. **Immunogenetics**. 33:290-293.

Carroll, A. M., **J. K. Slack**, and X. Mu. 1993. V(D)J recombination mediates a high frequency of non-standard TCR D $\delta$ -associated rearrangements in thymocytes. **Journal of Immunology**. 150:2222-2230.

Carroll, A. M., **J. K. Slack**, and W. Chang. 1993. Biased T-cell receptor  $\delta$  element recombination in scid thymocytes. **Molecular and Cellular Biology**. 13:3632-3640.

**Slack, J. K.**, C. Lowry, and A. M. Carroll. 1994. HASTEN: A technique to sequence DNA hairpins. **Nucleic Acids Research**. 22:1316-1317.

**Slack, J. K.** and P. J. Higgins. 1996. Cytoarchitecture and cell growth control. **Cell Motility and the Cytoskeleton**. 33:83-87.

**Slack, J. K.**, J. Lacoste, and J. T. Parsons. "Focal Adhesion Kinase and Its Associated Proteins" in **Signaling Through Cell Adhesion Molecules**, J.-L. Guan, ed. CRC Press, 1999.

Higgins, P. J., **J. K. Slack**, R. F. Diegelmann, and L. Staiano-Coico. 1999. Differential regulation of PAI-1 gene expression in human fibroblasts predisposed to a fibrotic phenotype. **Experimental Cell Research**. 248:634-642.

**Slack, J. K.**, A. D. Catling, S. T. Eblen, M. J. Weber, and J. T. Parsons. 1999. C-Raf mediated inhibition of EGF-stimulated migration. **Journal of Biological Chemistry**. 274: 27177-27184.

**Slack, J. K.** and P. J. Higgins. 1999. Attenuation of plasminogen activator inhibitor type-1 promoter activity in serum-starved renal epithelial cells by a distal 5' flanking region. **Cell Motility and the Cytoskeleton**. 44:168-176.

Parsons, J. T., K. H. Martin, **J. K. Slack**, J.M. Taylor, and S. A. Weed. 2000. Focal Adhesion Kinase: a regulator of focal adhesion dynamics and cell movement. **Oncogene**. 19:5606-5613.

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- Slack, J. K.,** R. B. Adams, J. D. Rovin, E. Bissonette, C. E. Stoker, and J. T. Parsons. 2001. Alterations in the Focal Adhesion Kinase/Src signal transduction pathway correlate with increased migratory capacity of prostate carcinoma cells. **Oncogene.** 20:1152-1163.
- Haskell, M. D., **J. K. Slack,** J. T. Parsons, and S. J. Parsons. 2001. C-Src tyrosine phosphorylation of epidermal growth factor receptor, p190 RhoGAP, and focal adhesion kinase regulates diverse cellular processes. **Chemical Reviews.** Submitted.
- Slack, J. K.** 2001. Gene Regulation by Adhesion-dependent Signal Transduction Pathways. **Current Genomics.** Submitted.
- Eblen, S. T., **J. K. Slack,** M. Marshall, M. J. Weber, and A. D. Catling, 2001. Rac/PAK signaling facilitates the formation of MEK/ERK complexes to stimulate ERK activation and promote cell migration. **EMBO J.** Submitted.
- Slack, J. K.,** M. Zecevic, S. Boerner, S. T. Eblen, M. J. Weber, J. T. Parsons and A. D. Catling. Adhesion-dependent activation of PAK targets MAPK phosphorylation to peripheral focal complexes. In Preparation.