

Paramjeet K. Randhawa, Ph.D.

www.paramjeetrandhawa.com

prandhawa4@gmail.com

(919) 886-4553

HIGHLIGHTS

- Currently work as a Managing Editor at American Journal Experts
- Certificate of Completion for “Essential Skills for Success in Industry”
- Effective managing and multi-tasking skills
- Research interests include cardiovascular disease and oncology
- Recipient of the American Heart Pre-doctoral Fellowship

EDUCATION

Doctoral Candidate, Developmental Vascular Biology 2004-2011
University of North Carolina (UNC-CH), Chapel Hill, NC
Advisor: Victoria Bautch
Title: *The Ras activator RasGRP3 mediates diabetes-induced embryopathy and endothelin-1-induced vessel morphogenesis.*

Undergraduate, Bachelor of Science in Molecular Biology, Minor in Psychology 1997-2001
Graduated with High Honors
Lehigh University, Bethlehem, PA
Advisor: Barry Bean
Honors Thesis: *Antibodies to zona pellucida proteins may contribute to Premature Ovarian Failure.*

PROFESSIONAL EXPERIENCE

Managing Editor, American Journal Experts, Durham, NC 2011-present
Responsibilities: Reviewing manuscripts in various fields (e.g., pharmacology/clinical science, basic science, engineering, economics/marketing, and linguistics), interacting with customers with editing questions, and managing a team of new contract editors during their application and review process.

In-house Editor, American Journal Experts, Durham, NC 2011-2011
Responsibilities: Edited manuscripts in various fields (primarily clinical science and biology).

Contract Editor, American Journal Experts, Durham, NC 2010-2011
Responsibilities: Edited manuscripts in science-based fields (primarily clinical science and biology).

Teaching Intern, Contemporary Science Center, Durham, NC 2010-2011
Responsibilities: Taught biology-based field studies and providing students the opportunity to use laboratory science to address real-world problems (Cystic Fibrosis module sponsored by Inspire Pharmaceuticals).

DNA Day Ambassador, UNC-CH, The Training Initiative in Biomedical and Biological Sciences, Chapel Hill, NC 2007-2011
Responsibilities: Led discussion with high school students about how genetics impact everyday life. Also educated students about diverse careers obtainable with a background in science.

Mentor, UNC-CH, Chapel Hill, NC 2006-2010
Responsibilities: Mentored 4 rotating graduate students and 2 undergraduates working on independent projects (JY Heinz, SURF Recipient, HVP Wilson Award winner; and SB Kiser, CURE program, poster award). Recognized by the Office of Undergraduate Research with a Mentor Award.

Teaching Assistant, Biology 011 Laboratory, UNC-CH, Chapel Hill, NC 2004
Responsibilities: Led two undergraduate laboratory sections, graded laboratory reports and developed and graded exams.

RESEARCH EXPERIENCE

Doctoral Candidate, UNC-CH, Chapel Hill, NC 2004-2011
Responsibilities: Explored how misregulation of a novel endothelial Ras activator affects vessel formation using techniques in biochemistry, cell biology, and molecular biology. Isolated endothelial cells from tissue and conducted activation and migration assays to assess signaling and behavioral changes in endothelial cells.

Research Specialist B, University of Pennsylvania, Institute for Medicine and Engineering, Philadelphia, PA 2001-2004
Responsibilities: Served as lab manager and conducted research for several projects (platelet aggregation, GLUT4 signaling in adipocytes, gelsolin activity, and thrombin-catalyzed fibrin polymerization) under Dr. Paul Janmey, Dr. Makoto Funaki, and Dr. Robert Bucki.

FELLOWSHIPS, AWARDS AND HONORS

Accepted into Sigma Xi as a Full Member	2011
American Heart Association Pre-doctoral Fellowship (0715187U) for \$40,000	2007-2009
Certificate of Completion for "Essential Skills for Success in Industry"	2009
Office of Undergraduate Research Mentor Award	2008
Integrative Vascular Biology/Carolina Cardiovascular Biology Center Symposium Best Poster Award	2008
Developmental Biology Training Grant travel award to American Society for Cell Biology meeting	2007
Cell and Molecular Biology Training Grant travel award to North American Vascular Biology Organization meeting	2006
Howard Hughes Grant Recipient	2000

PUBLICATIONS (Selected from six publications)

Randhawa PK, Rylova SN, Heinz JY, Kiser SB, Swetenburg R, Roberts DM, Dunworth W, Chappell J, Barber D, Bautch VL. (2011) The Ras activator RasGRP3 mediates diabetes-induced embryonic defects and affects endothelial cell migration. *Circ Research* (Published online on April 7, 2011.)

Rylova SN, **Randhawa PK**, Bautch VL. (2008) *In vitro* differentiation of mouse embryonic stem cells into primitive blood vessels. *Meth Enzymol, Angiogenesis: In Vitro Systems* (ed. D Cheresh). 443:103-117, San Diego CA: Elsevier Academic Press.

Funaki M, Benincasa K, **Randhawa PK**. (2007) Peptide rescues GLUT4 recruitment, but not GLUT4 activation in insulin resistance. *Biochemical and Biophysical Research Communications*. 360(4): 891-6.

Funaki M, **Randhawa PK**, Janmey PA. (2004) Separation of Insulin Signaling into Distinct GLUT4 Translocation and Activation Steps. *Mol Cell Biol*. 24(17): 7567-77.