

Curriculum Vitae

Brandoch D. Cook, Ph.D.

Department of Surgery
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Education

- 2008 **Ph.D.** Molecular Oncology and Immunology
Sackler Institute of Biomedical Sciences
New York University, New York, NY
- 2002 **M.S.** Biomedical Sciences
Sackler Institute of Biomedical Sciences
New York University, New York, NY
- 1996 **B.A.** Biology—Environmental, Population, and Organismic
University of Colorado, Boulder, CO

Experience

- 2009-present **Weill Medical College of Cornell University**, Department of Surgery,
New York, NY
Postdoctoral Research Associate
Laboratory of Dr. Todd Evans
- 1999-2008 **New York University**, Departments of Cardiothoracic Surgery and
Molecular Oncology/Immunology, New York, NY
Graduate Research Assistant, Doctoral Thesis Work
Laboratory of Dr. Paolo Mignatti
- Ph.D. Thesis: The role of adherens junction proteins in TGF-beta1-mediated endothelial cell apoptosis (2008). Studies using mammalian endothelial cells to examine a mechanism for TGF-β1 converting VEGF from a pro-survival signaling molecule to an apoptotic one via rearrangement of an adherens junction multiprotein complex.
- 1997-1998 **Boundless Corporation**, Boulder, CO

Head of Research

1995-1996 **University of Colorado at Boulder**, Departments of Physics and Psychology, Boulder, CO
Undergraduate Research Assistant

Honors and Awards

2009-2010 NIH Institutional Ruth L. Kirschstein National Service Research Award (T32)
2000-2002 NIH Pre-doctoral Training Grant in Molecular Oncology and Immunology
1995-1996 Phi Beta Kappa Honor Society
1995-1996 Golden Key National Honor Society
1995-1996 University of Colorado Dean's List

Professional Memberships and Associations

2009-present Weill Cornell Postdoctoral Association
2009-present National Postdoctoral Association
2009-present New York Academy of Sciences, Science Alliance
2009-present New York Metropolitan Zebrafish Club
2004-2008 New York Metropolitan Angiogenesis Club
2000-2004 New York Academy of Sciences Genome Integrity Group

Professional Development

2003 Technology Transfer Internship, New York University Office of Industrial Liaison

Meeting Abstracts

2004 Cold Spring Harbor Conference on Telomeres and Telomerase
2010 Keystone Symposia Stem Cell Differentiation and De-differentiation

Publications

Peer-Reviewed Research Publications:

1. **Cook BD**, and Evans T. SMAD1 restricts hematopoietic potential after promoting hemangioblast expansion (*submitted*, 2010)
2. Ferrari G, **Cook BD**, Terushkin V, Pintucci G, and Mignatti P. Transforming growth factor-beta 1 induces angiogenesis through vascular endothelial growth factor-mediated apoptosis *J. Cell. Physiol.* 219 (2): 449-458 (2009).

3. **Cook BD**, Ferrari G, Pintucci G, and Mignatti P. TGF-beta1 induces rearrangement of FLK-1/VE-cadherin/beta-catenin complex at the adherens junction through VEGF-mediated signaling. *J. Cell. Biochem.* 105 (6): 1367-73 (2008). **Featured Article**
4. Hsaio SJ, Poitras MF, **Cook BD**, Liu Y, and Smith S. Tankyrase 2 poly (ADP-ribose) polymerase domain-deleted mice exhibit growth defects but have normal telomere length and capping. *Mol. Cell. Biol.* 26 (6): 2044-54 (2006).
5. **Cook BD**, Dynek JN, Chang W, Shostak G, and Smith S. Role for the related poly (ADP-ribose) polymerases tankyrase 1 and 2 at human telomeres. *Mol. Cell. Biol.* 22 (1): 332-34 (2002).