Diana L Ramirez-Bergeron, PhD

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Education:

1986	BS	Florida International University (Biology)
1990	MS	Florida International University (Biology)
1997	PhD	University of Rochester (Immunology)

Postgraduate Training and Fellowship Appointments:

1999-2000	Postdoctoral Fellow, Department of Medicine, University of Chicago
2000-2003	Research Associate, Howard Hughes Medical Institute, University of Pennsylvania
2003-2006	Instructor, Abramson Family Cancer Research Institute, University of Pennsylvania
2006-2007	Assistant Professor of Pathology and Laboratory Medicine, University of Pennsylvania
2006-2007	Investigator, Developmental Biology and Pediatric Disorders, The Children's Hospital of Philadelphia
2008-	Assistant Professor of Medicine, Case Western Reserve University School of Medicine, Cleveland, Ohio
2008-	Investigator, Case Cardiovascular Research Institute, Case Western Reserve University School of Medicine, Cleveland, Ohio

Awards, Honors and Membership in Honorary Societies:

1984-1986	NIH Undergraduate Grant Recipient. MBRS program
1986-1990	NIH Predoctoral Training Grant Recipient, MBRS program
1988	Travel Award Recipient by the International Society of Developmental and Comparative Immunology Congress (Nottingham, England)
1993-1997	NIH Predoctoral Training Grant Recipient
2000	Postdoctoral Cardiovascular Pathology Training Grant, University of Chicago
2002	Pfizer Foundation Scholarship Award Recipient
2003	Alfred P. Sloan Foundation Travel Award; Angiogenesis and Microcirculation Gordon Research Conference
2003-2008	K01 NIH NHLBI Mentored Minority Faculty Development Award

Professional Services

Memberships in Professional and Scientific Societies:

2003- North Atlantic Vascular Biology Organization, NAVBO
2006- Society for Developmental Biology, SDB

Editorial Boards:
2007- Ad Hoc Reviewer *Stem Cells*
2007- Ad Hoc Reviewer *The FEBS Journal*
2008- Ad Hoc Reviewer *Circulation Research*

Study Sections:
2006- Permanent Member, NIH, NICHH, Developmental Biology Subcommittee Study Section
2007- Ad Hoc, AHA Mid-Atlantic Consortium Study Section

Lectures and Courses by Invitation: (past 2 years)

August 3-7, 2006 *HIF and the development of the embryonic vasculature,* Santa Cruz Conference on Developmental Biology, UCSC, Santa Cruz, CA

April 30- May 2, 2007 *The effects of hypoxia, HIF, and Notch in regulating early hemangioblast development.* (Oral presentation in the Experimental Biology Meeting, NAVBO Organization) Washington, DC

June 11, 2007 *The role of HIF in cardiovascular development,* Case Western Reserve University, Cleveland, OH

Bibliography:

Research Publications, peer reviewed (print or other media):

Gaspari, A., Burns, R., Haidaris, C., Ramirez, D. and Barth, R.: Keratinocyte-derived B7-1 and B7-2 deliver different costimulatory signals to TH-lymphocytes in cutaneous delayed type hypersensitivity reactions to Candida Albicans infections. Journal of Investigative Dermatology 108(4): 576, 1997.

Burns, R.. Nasir, A. Ferbel, B. Ramirez, D., Barth, R. Gaspari, A.: The T-cell costimulatory molecules B7-1 (CD80) and B7-2 (CD86) when expressed on keratinocytes deliver different signals during hypersensitivity responses. Journal of Investigative Dermatology 110(4): 4477, 1998.

Gaspari A.A., Burns R.P., Nasir A., Ramirez, D., Barth R.K. and Haidaris C.G.: CD86 (B7-2) but not CD80 (B7-1) in the epidermis of transgenic mice enhances immunogenicity of primary cutaneous C. albicans infections. Infect. Immun. 66(9): 4440, 1998.

Ramirez-Bergeron D., D. Baggs R.B., Ryan, D. and Barth R.K.: Disregulation of Interleukin-6 expression in the livers of transgenic mice results in hepatic hemochromatosis, hepatocyte atrophy and hypochromic microcytic anemia. Trangenics Vol. 21: 259, 1998.

Ramirez-Bergeron, D., Ryan C.K., and Barth R.K.: Chronic expression of IL-3 in the liver of transgenic mice results in hepatic inflammation, steatosis, and necrosis. Transgenics 3(1): 71, 2000.

Hu, C.-J., Rao, S., Ramirez-Bergeron, D., Garrett-Sinha L.A., Gerondakis S., Clark M.R., and Simon M.C.: PU.1/Spi-B Regulation of c-rel Is Essential for Mature B Cell Survival. Immunity Vol. 15: 545-555, 2001.

Ramirez-Bergeron, D. and Simon, M.C.: Hypoxia inducible factor and the development of stem cells of the cardiovascular system. Stem Cells No. 4, 279-286. 2001.

Ramirez-Bergeron, D., Barth R.K, and Ryan C.K.: Development of polycystic kidney disease in IL-3 transgenic mice. Transgenics 3(4), 139 2001.

Simon M.C., Ramirez-Bergeron, D., Mack F., Hu C.J., Pan Y., and Mansfield K..: Hypoxia, HIFs, and cardiovascular development. Cold Spring Harb Symp Quant Biol. No. 67, 127-132, 2002.

Dahl, R.*, Ramirez-Bergeron, D.*, Rao, S. and Simon, M.C. *equal contribution: SpiB can substitute for PU.1 in myelopoiesis but not lymphopoiesis. EMBO Vol. 21: 2220-2230, 2002.

Ramirez-Bergeron, D., Runge A., Cowden Dahl, K., Fehling H-J., Keller, G. and Simon, M.C.: Hypoxia affects mesoderm and enhances hemangioblast specification during early development. Development Vol. 131: 463, 2004.

Ramirez-Bergeron, Runge A, Adelman, D, Gohil, M, and Simon, MC. HIF-dependent hematopoietic factors regulate the development of the embryonic vasculature. Developmental Cell 11, 81-92, 2006.

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Research Support:

HL- 073153 (K01) Source: NIH, NHLBI 6/03-5/08

The Role of ARNT in Vascular and Cardiac Development

The major goals of this project are to characterize the role of oxygen tension during embryonic cardiovascular development.

0665412U (Beginning Grant In Aid) Source: American Heart Association 7/06 to 6/08

The role of Notch and hypoxia in early cardiovascular specification and differentiation

The major goal of this grant is to determine how hypoxia influences Notch signaling during mesoderm specification and hemangioblast production.