

**Maria-Gabriela Velez, MD. PhD.**

Kidney Associates of Colorado  
850 East Harvard Ave  
Suite 565  
Denver, CO 80210  
Phone: 303 777-3333  
Fax: 303 733-4441  
Email: [gvelez@kidneyasc.com](mailto:gvelez@kidneyasc.com)

Board Certified Internal Medicine, August 2013  
Licensed Physician in the State of California

**POST GRADUATE TRAINING**

**Stanford University**, Stanford, CA  
Nephrology Fellowship 2013 – 2015

**Stanford University**, Stanford, CA  
Internal Medicine Residency 2010 – 2013

**EDUCATION**

**University of Colorado School of Medicine**, Denver, CO  
Medical Scientist Training Program 2002 – 2010  
Doctor of Medicine  
Doctor of Philosophy in Immunology  
Thesis Mentor – Roberta Pelanda, PhD  
Title – Dual antibody-expressing B cells as mediators of autoimmunity  
Date of PhD Defense – March 13, 2008

**Arizona State University**, Tempe, AZ  
Bachelors of Science Degree, Cell Biology and Physiology, 1998 - 2000  
Honors College Graduate

**PROFESSIONAL SOCIETIES**

American Society of Nephrology, 2013 - present  
American College of Physicians, 2010 - present  
American Medical Association, 2000 - present

## HONORS/AWARDS

Minority Scholarship Travel Award  
Keystone Symposia: Biology of B cells in Health & Disease  
February 2007

John Wallace Travel Award  
Autumn Immunology Conference  
November 2006

F31 NRSA, NIGMS MARC Fellowship#1-F31-GM078723-01  
National Institute of General Medical Science  
July 2006

University of Colorado Health Science Center Diversity Award  
Recognition of effort made to increase and support diversity on campus  
March 2005

Travel Award, 8<sup>th</sup> National Symposium Basic Aspects of Vaccines  
WRAIR – Walter Reed Army Institute of Research  
May 2002

Undergraduate MARC Fellowship  
Minority Access to Research CareersNIH Fellowship  
May 2000

Barrett Honors College  
Arizona State University  
September 1999

## PUBLICATIONS

Bhalla V, **Velez MG**, Chertow GM. *A transcriptional blueprint for human and murine diabetic kidney disease (comment on: Identification of cross species shared transcriptional networks of diabetic nephropathy in human and mouse glomeruli)*. Diabetes. 2013 Jan;62(1):31-3.

**Maria-Gabriela Velez** and Vivek Bhalla. *The Role of the Immune System in the Pathogenesis of Diabetic Nephropathy*, Journal of Nephrology & Therapeutics. 2012 May S2, doi:10.4172/2161-0959.S2-007

Emilie M. Fournier, **Maria-Gabriela Velez**, Katelyn Leahy, Cristina L. Swanson, Anatoly V. Rubtsov, Raul M. Torres, and Roberta Pelanda. *Dual-reactive B cells are autoreactive and highly enriched in the antigen-activated cell subset of autoimmune mice*, J Exp Med. 2012 Sep 24;209(10):1797-812.

Peterson LK, Wells D, Shaw L, **Velez MG**, Harbeck R, Dragone LL. *Novel method for quantitative ANA measurement using near-infrared imaging.* J Immunol Methods. 2009 Sep 30;349(1-2):1-8.

**Velez MG**, Kane M, Liu S, Gauld SB, Cambier JC, Torres RM, Pelanda R. *Ig allotypic inclusion does not prevent B cell development or response.* J Immunol. 2007 Jul 15;179(2):1049-57.

Liu S, **Velez MG**, Humann J, Rowland S, Conrad FJ, Halverson R, Torres RM, Pelanda R. *Receptor editing can lead to allelic inclusion and development of B cells that retain antibodies reacting with high avidity autoantigens.* J Immunol. 2005 Oct 15;175(8):5067-76.

Davila E, **Velez MG**, Heppelmann CJ, Celis E. *Creating space: an antigen independent, CpG-induced peripheral expansion of naive and memory T lymphocytes in a full T-cell compartment.* Blood. 2002 Oct 1;100(7):2537-45.

Vishnivetskiy SA, Hirsch JA, **Velez MG**, Gurevich YV, Gurevich VV. *Transition of Arrestin into the Active Receptor-binding State Requires an Extended Interdomain Hinge.* J Biol Chem. 2002 Nov 15;277(46):43961-7.

Vishnivetskiy, S.A., Schubert, C., Climaco, G.C., Guervich, Y.V., **Velez, MG.**, Guervich, V.V. *An additional phosphate-binding element in arrestin molecule: implications for the mechanism of arrestin activation.* J. Biol. Chem. 2000 Oct 6; (10): 1074.

## **PRESENTATIONS**

**Velez, M.G.**, Kane M., Torres R. and Pelanda R. *Development & Function of Allelically Included B Cells: Potential Mediators of Autoimmunity.* Keystone Symposia, Banff, ABCanada, 2007.

**Velez, M.G.**, Kane M., Torres R. and Pelanda R. *Development & Function of Allelically Included B Cells: Potential Mediators of Autoimmunity.* Autumn Immunology Conference (AIC), Chicago, IL, 2006.

**Velez, M.G.**, Pelanda R. *Dual Antibody Expressing B Cells as Mediators of Autoimmunity.* SACNAS National Conference, Tampa, FL, 2006.

**Velez, M.G.**, Pelanda R. *Dual Antibody Expressing B Cells as Mediators of Autoimmunity.* AAI Annual Meeting, Boston, MA, 2006. JI 176 (7) S153 (96.11 Suppl)

## **RESEARCH EXPERIENCES**

### Post-Baccalaureate Research

Mayo Graduate School, Rochester MN

Mentor: Dr. E. Celis

Title: *Co-stimulatory effects of immunostimulatory sequences on T cells*

06/2001 – 05/2002

### Volunteer Research Assistant

Sun Health Research Institute, Sun City AZ

Mentor: Dr. V. Gurevich

The molecular mechanisms of Arrestin protein

09/1998 – 05/2001

## **VOLUNTEER ACTIVITIES**

### Admission Committee Member

University of Colorado School of Medicine Admissions Office

September 2007 – May 2010

### Minority Student Recruitment Ambassador

University of Colorado School of Medicine Admissions Office

September 2004 – June 2007

### High School Outreach & Education

University of Colorado School of Medicine Diversity Office

September 2002 – September 2006

### Spanish Medical Translator

Clinica Tepayac, Denver CO

September 2002 - September 2005

## **OTHER LANGUAGES**

Spanish (maternal language) – fluent in reading and spoken language

French – fluent in reading, writing and spoken language