

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

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**Education and Training:**

2013-2015 Fellowship-Nephrology, Stanford University, Stanford, CA

2010-2013 Residency- Internal Medicine, Stanford University, Stanford, CA

2002-2010, MD- University of Colorado School of Medicine, Denver, CO

2002-2010, PhD, Immunology- University of Colorado School of Medicine, Denver, CO

1998-2000 BS, Cell Biology and Physiology, Arizona State University, Tempe, AZ

**Research Experience:**

2019-Present

Kidney Associates of Colorado

Principal Investigator and Sub Investigator in clinical research trials in the following indications:

**Nephrology:** End Stage Renal Disease, Anemia, Diabetic Nephropathy, Recurrent

Hyperkalemia, IgA Nephropathy, Polycystic Kidney Disease

2002-2010 Medical Scientist Training Program University of Colorado School of Medicine

Thesis Title – Dual antibody-expressing B cells as mediators of autoimmunity

2001-2002 Post-Baccalaureate Research in Immunology, Mayo Graduate School, Rochester, MN

1998-2001 Volunteer Research Asst in Pharmacology, Sun Health Research Institute, Sun City,  
AZ

**Affiliations:**

Fresenius Kidney Care-Stapleton/Park Hill (#4061) 7606 E 36th Ave, Bldg 701, Denver, CO

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Fresenius Kidney Care- West Hampden (#8556) 750 W Hampden Ave, Ste 110, Englewood, CO 80110

Frenova Renal Research - 750 W Hampden Ave, Ste 110, Englewood, CO 80110

**Licensure and Certification:**

American Board of Internal Medicine

American Board of Internal Medicine, Nephrology

Colorado State Board of Medicine License (DR. 0055656)

CITI, Good Clinical Practice

**Other Languages:**

Spanish- fluent in reading, writing and spoken

French- fluent in reading, writing and spoken

**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.