

GUSTAVO AROCA-MARTÍNEZ, MD, PhD

Curriculum Vitae

Universidad Simón Bolívar, Faculty of Medicine, Department of Nephrology
Scientific Director, Clínica de la Costa, Barranquilla, Colombia
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EDUCATION

- **Doctorate in Clinical Sciences (Doctorado en Ciencias Clínicas)** 2024–2027(expected)
Universidad Simón Bolívar, Barranquilla, Colombia
- **PhD, Research and Teaching (Investigación y Docencia)** 2014–2018
Centro Panamericano de Estudios Superiores (CEPES), Mexico
- **Specialization, Nephrology** 1984–1986
Hospital Militar Central, Bogotá, Colombia
- **Specialization, Internal Medicine** 1982–1985
Hospital Militar Central, Bogotá, Colombia
- **Doctor of Medicine (MD)** 1975–1980
Fundación Universidad del Norte, Barranquilla, Colombia

ACADEMIC AND CLINICAL APPOINTMENTS

- **Scientific Director.** Clínica de la Costa, Barranquilla — 1991–present
- **Director, Postgraduate Specialization Program in Nephrology.** Universidad Simón Bolívar, Barranquilla — 2021–present
- **Senior Researcher, Faculty of Medicine.** Universidad Simón Bolívar, Barranquilla — 2006–present
- **Senior Researcher, Professor of Medicine, Internal Medicine and Nephrology.** Fundación Universidad del Norte, Barranquilla — 1986–present
- **Coordinator.** Iberoamerican Network for Kidney Health and Prevalent Chronic Diseases (RISRECP), endorsed by the Iberoamerican Association of Postgraduate Universities (AUIP) — 2012–present

SCIENTIFIC LEADERSHIP, SOCIETY MEMBERSHIPS, AND EDITORIAL ROLES

SCIENTIFIC AND PROFESSIONAL SOCIETIES

- **Coordinator, Research Committee (Coordinador de Comité de Investigación), Latin American Society of Nephrology and Hypertension (SLANH)** — 2019–present (*Member since 2012*)
- **Member, American Society of Nephrology (ASN)** — 2012–present
- **Fellow (FISN), International Society of Nephrology (ISN)** — 2025–present (*Member since 2019*)
- **President, Colombian Association of Nephrology and Arterial Hypertension (ASOCOLNEF)** — 2018–2020 (*Member since 1986; Awarded special recognition in August 2024 for over 30 years of dedicated service.*)
- **Member, Colombian Association of Internal Medicine (ACMI)** — 1985–present

RESEARCH LEADERSHIP AND NATIONAL REGISTRIES

- **Senior Investigator (Investigador Senior), Minciencias (Colombian Ministry of Science, Technology and Innovation)** — Renewed continuously since April 2014; current. Recognized Peer Evaluator. Long-standing.
- **Founder and Leader, “Nephrology Universidad Simón Bolívar – Clínica de la Costa” Research Group** (Category A1, Minciencias — highest productivity classification in Colombia) — Current
- **Founder and Director**, Colombian Registry of Glomerular Diseases (REGLOCOL) — 2024–present
- **Founder and Director**, Colombian Lupus Nephritis Register (RENELUP) — 2010–present
- **Founder and Director**, NEFRORED® (National Registry of Nephropathy of Colombia) — 2008–present

EDITORIAL AND PEER REVIEW ACTIVITIES

- **Editor-in-Chief, Revista Colombiana de Nefrología** (Colombian Journal of Nephrology), Asociación Colombiana de Nefrología e Hipertensión Arterial — 2013–present
- **Academic and Institutional Peer Reviewer**: Long-standing reviewer for the Ministerio de Educación Nacional, Colombia Médica, Universidad de Antioquia, Universidad Surcolombiana, Universidad del Valle, Universidad del Quindío, and Universidad Nacional de Colombia.

SELECTED HONORS AND AWARDS

- 2026.** Recognition for Research Excellence (*Reconocimiento a la Excelencia Investigadora*). Universidad Simón Bolívar. (*Awarded for significant contributions to the formation of new knowledge and scientific-technological research*)
- 2025.** Víctor Miatello Award. Latin American Society of Nephrology and Hypertension (SLANH). (*Recognized as the highest distinction in Latin American nephrology*)
- 2025.** Arazo "Toda una vida" Award (*Lifetime Achievement*). Scientific Society of Nephrology - Nefrólogos del Caribe. (*Awarded in recognition of over 35 years dedicated to scientific research, university teaching, and the development of nephrology in the Colombian Caribbean*)
- 2025.** Fellow of the International Society of Nephrology (FISN). International Society of Nephrology.
- 2024.** Recognition for Outstanding Academic & Research Career (30+ Years). Colombian Association of Nephrology and Arterial Hypertension (ASOCOLNEF).
- 2024.** First Place, Best Original Research. XVIII Colombian National Congress of Nephrology and Arterial Hypertension. (*He also won First Place awards in 2009, 2012, and 2014*)
- 2024.** Senior Investigator Recognition (renewed). *Minciencias, Colombia.*

RESEARCH LINES

Renal diseases, with active research programs in:

- Lupus nephritis: clinical, immunopathological and genetic characterization in the Colombian Caribbean.
- Glomerular diseases: epidemiology, biopsy registries and treatment response.
- Chronic kidney disease (CKD): population-level prevention, screening, and the social and environmental determinants of progression.
- Atypical hemolytic uremic syndrome and complement-mediated kidney disease.
- APOL1-associated kidney disease in Afro-descendant populations.
- Acute kidney injury and organ crosstalk, including in COVID-19.
- Renal transplantation and dialysis program outcomes.
- Hypertension management and cardiovascular outcomes in CKD.
- Environmental and occupational nephropathy in rural populations.

- Geriatric nephrology: The impact of aging on renal function, cardiovascular outcomes in older adults with CKD.
- Clinical AI and predictive modeling in nephrology: collaborative work on machine learning applications for lupus nephritis and CKD progression and personalized treatment.

SELECTED RECENT PEER-REVIEWED JOURNAL ARTICLES

A comprehensive bibliography is available via [[ORCID: 0000-0002-9222-3257](https://orcid.org/0000-0002-9222-3257)] and [[Google Scholar](#)].

- Turbay-Caballero V, Ricardo AC, Chen J, Missikpode C, Lash JP, Aroca-Martínez G, Musso CG. Chronic Kidney Disease Stage and Cardiovascular and Mortality Events Among Older Adults: The SPRINT Trial. *Kidney Med.* 2024 May 18;6(7):100845. doi: 10.1016/j.xkme.2024.100845. PMID: 38966681; PMCID: PMC11222801.
- Cristiano F, **Aroca-Martínez G**, Musso CG. Keller/eGFR ratio as a simple and useful tool to make a first differentiation between renal aging and chronic nephropathy in large populations. *Int Urol Nephrol.* 2025 Dec 3. doi: 10.1007/s11255-025-04932-1. Epub ahead of print. PMID: 41339569.
- García-Bañol DF, Arias-Choles AM, Aldana-Peréz S, **Aroca-Martínez G**, Musso CG, Navarro-Quiroz R, Dominguez-Vargas A, Gonzalez-Torres HJ. Machine learning in lupus nephritis: bridging prediction models and clinical decision-making towards personalized nephrology. *Front Med (Lausanne).* 2025 Oct 29;12:1686057. doi: 10.3389/fmed.2025.1686057. PMID: 41234906; PMCID: PMC12605162.
- Szyferman AY, Kleppe S, Cristiano F, Conde-Manotas JC, Cadena-Bonfanti A, **Aroca-Martínez G**, Musso CG. Apolipoprotein L1 (APOL1) and Nephropathy. *G Ital Nefrol.* 2026 Feb 28;43(1):2026-vol1. doi: 10.69097/43-01-2026-05. PMID: 42037283.
- Zhao MH, Cons Molina F, **Aroca G**, Tektonidou MG, Mathur A, Tangadpalli R, Sun R, Martin R, Pellet P, Ngoc Phuong Huynh T. Secukinumab in active lupus nephritis: results from a phase III randomized, placebo-controlled study (SELUNE) and an open-label extension study. *Rheumatology (Oxford).* 2026 Jan 8;65(1):keaf536. doi: 10.1093/rheumatology/keaf536. PMID: 41092316; PMCID: PMC12862366.
- Pájaro Huertas HJ, Pantoja Echeverri MV, **Aroca Martínez G**, Musso CG, Dominguez Vargaz A, González-Torres HJ. Urinary Tract Infections and Bacterial Multidrug Resistance in Kidney Transplant Impact on Function and Graft Survival. *Clin Pract.* 2025 Nov 19;15(11):215. doi: 10.3390/clinpract15110215. PMID: 41294646; PMCID: PMC12651641.
- Aldana-Pérez SE, García-Bañol DF, Arias-Choles AM, **Aroca-Martínez G**, Musso CG, Dominguez-Vargas A, González-Torres HJ. Infectious Complications and Prognostic Factors of Mortality in Patients with Lupus Nephritis Admitted to Intensive Care Units. *J Clin Med.* 2025 Oct 25;14(21):7561. doi: 10.3390/jcm14217561. PMID: 41226959; PMCID: PMC12610755.
- Furie RA, Rovin BH, Garg JP, Santiago MB, **Aroca-Martínez G**, Zuta Santillán AE, Alvarez D, Navarro Sandoval C, Lila AM, Tumlin JA, Saxena A, Irazoque Palazuelos F, Raghu H, Yoo B, Hassan I, Martins E, Sehgal H, Kirchner P, Ross Terres J, Omachi TA, Schindler T, Pendergraft WF 3rd, Malvar A; REGENCY Trial Investigators. Efficacy and Safety of Obinutuzumab in Active Lupus Nephritis. *N Engl J Med.* 2025 Apr 17;392(15):1471-1483. doi: 10.1056/NEJMoa2410965. Epub 2025 Feb 7. PMID: 39927615.
- **Aroca-Martínez G**, Figueroa-Millan CC, Daza-Lopez JL, Cadena-Bonfanti AA, Perez-Jimenez V, Cotes-Araujo LA, et al. Registro Colombiano de Enfermedades Glomerulares (Reglocol): informe preliminar. *Rev Colomb Nefrol.* 2025;12(3):1-19. doi.org/10.22265/acnef.12.3.1065.
- Pons-Estel GJ, Nieto RE, Quintana R, ... **Aroca-Martínez G**, et al. Baseline characteristics of patients with SLE with and without lupus nephritis from the Latin American multiethnic GLADEL 2.0 cohort. *Lupus Sci Med.* 2026 Apr 20;13(1):e001878. doi: 10.1136/lupus-2025-001878. PMID: 42009373; PMCID: PMC13110673.

SELECTED RECENT CONFERENCE PROCEEDINGS & ABSTRACTS

- Aroca-Vidal MP, **Aroca-Martínez G**, Angel-Depine S, Fontalvo-Avila N, Camargo-Rodriguez KM, Perez-Jimenez V, Vasquez-Obeso EdJ, Sarmiento-Gutierrez JJ, Cadena-Bonfanti AA, Bermudez-Pirela VJ. Social vulnerability and lupus nephritis clustering in Barranquilla, Colombia: integrating clinical registry data with a population vulnerability index [Abstract WCN26-8271]. *Kidney Int Rep.* 2026;11:8-9. doi: 10.1016/j.ekir.2026.105071.
- **Aroca-Martínez G**, Rico-Fontalvo JE, Bermudez-Pirela VJ, Aroca-Vidal MP, Camargo-Rodriguez KM, Fontalvo-Avila N. Chronic kidney disease in vulnerable afro-descendant, indigenous, and agricultural communities in Latin America [Abstract WCN26-6861]. *Kidney Int Rep.* 2026;11:113-114. doi: 10.1016/j.ekir.2026.104872
- Dulce J, Guido-Musso C, **Aroca-Martínez G**, Alvarez E. Relationship between social vulnerability and evolution of glomerular filtration rate in patients with polycystic kidney disease [Abstract WCN26-432]. *Kidney Int Rep.* 2026;11:3-4. doi: 10.1016/j.ekir.2026.
- Rovin BH, Martins E, Austin CD, Raghu H, Chan C, Chang PS, Alberton V, Santiago MB, **Aroca-Martínez G**, et al. Obinutuzumab induces histologic remission and deep kidney parenchymal B-cell depletion in patients with lupus nephritis: exploratory analyses from the REGENCY trial [Abstract WCN26-3469]. *Kidney Int Rep.* 2026;11(4 Suppl):106200. doi: 10.1016/j.ekir.2026.106200.
- Ipia-Ordóñez N, **Aroca-Martínez G**, Benavidez-Solarte M, et al. Recurrent hypokalemia: the hidden footprint of an autoimmune distal renal tubular acidosis. Case report [Abstract WCN26-6812]. *Kidney Int Rep.* 2026;11:21. doi: 10.1016/j.ekir.2026.103843.
- **Aroca-Martínez G**, Nieto R, Quintana R, Pons-Estel G, Pérez-Jiménez V, Pons-Estel B. The impact of active lupus nephritis on work productivity in patients from a Latin American lupus cohort [Abstract WCN26-6802]. *Kidney Int Rep.* 2026;11:112. doi: 10.1016/j.ekir.2026.104869.
- **Aroca-Martínez G**, Figueroa-Millán C, Daza JL, Cadena-Bonfanti A, Pérez-Jiménez V, Lasso-Latorre K, et al. Colombian registry of glomerular diseases (REGLOCOL) [Abstract WCN26-6530]. *Kidney Int Rep.* 2026;11:55-56. doi: 10.1016/j.ekir.2026.106267.
- Ramirez-Marmolejo R, Ramirez-Isaza S, Isaza-Echeverri LM, Mejia CH, Rojas ME, **Aroca-Martínez G**. Prevalence of proteinuria, hypertension, and diabetes in an indigenous population of the biodiverse jungle of the Colombian Pacific coast [Abstract WCN25-927]. *Kidney Int Rep.* 2025;10:S745-S746. doi: 10.1016/j.ekir.2024.11.1325.