

DANIEL PARRA GONZÁLEZ

Bogotá DC, Colombia
danse1434@hotmail.com

EDUCATION

National University of Colombia
Master of Science - Pharmacology

July 2022

National University of Colombia
Pharmacy

August 2014

EXPERIENCE

Parexel
Senior PK Scientist

July 2025 - Present
Bogotá, Colombia (Decentralized)

- Conducted PK/PD analyses and contributed to population modeling and simulation across all clinical phases.
- Designed PK/PD study components in collaboration with multidisciplinary teams for FIH, bioequivalence, and DDI trials.
- Authored and reviewed PK/PD content for clinical protocols, study reports, regulatory submissions, and scientific publications.
- Provided QC for NCA (WinNonlin, R), maintained strong domain knowledge, and supported internal training and mentorship.
- Contributed to client proposals, marketing materials, and delivered presentations at scientific conferences.

Parexel
PK Scientist

July 2022 - June 2025
Bogotá, Colombia (Decentralized)

- Conducted PK/PD data analyses within cross-functional development teams.
- Designed PK/PD components for studies including FIH, bioequivalence, and drug-drug interactions.
- Authored and reviewed clinical and regulatory documents related to PK/PD.
- Contributed to PK/PD modeling, simulation, and population analyses across clinical phases.
- Reviewed scientific materials including protocols, SOPs, statistical plans, and clinical reports.

Fondo Nacional de Estupefacientes
Data Analyst

March 2021 - July 2022
Bogotá, Colombia

- Analyzed key operational metrics (demand, wait times, costs, budgets, service levels) for state-monopoly drug manufacturing.
- Developed forecasts and optimized decision rules to enhance production planning.
- Supported software development for deployment of planning and scheduling models in medication restocking.

Fondo Nacional de Estupefacientes
Pharmacovigilance Program Specialist

July 2019 - November 2019
Bogotá, Colombia

- Investigated and analyzed adverse events related to state-monopoly medications.
- Assisted in utilization and product safety studies.
- Generated, monitored, and reviewed safety alerts for medications.
- Supported implementation of the pharmacovigilance documentation plan.

Fundación Hospital de la Misericordia*Pharmacist*

October 2014 - December 2017

Bogotá, Colombia

- Prepared and performed QC on sterile and non-sterile compounding formulations.
- Identified, analyzed, and reported adverse events involving drugs and medical devices.
- Assisted in the acquisition of public-health medications (e.g., antidotes, antimalarials, anti-TB).
- Supported GMP quality assurance for the medical air system.

Universidad Nacional de Colombia*Teaching Assistant*

February 2016 - December 2017

Bogotá, Colombia

- Coordinated the reception and resolution for client queries arriving to drug information center.
- Contributed to the editorial content and maintenance of the drug information center website.

Aristizabal & Jiménez Abogados*Regulatory Analyst*

February 2014 - May 2014

Bogotá, Colombia

- Collaborated on dossier preparation for health registrations related to drug products and medical devices.
- Supported adverse event reporting as requested by clients.
- Assisted in the review of promotional materials in accordance with regulatory requirements.

TECHNICAL STRENGTHS

**Programming Languages
Software**

R, Python, VBA, C++, Stan, Javascript
MS Excel, MS Word, LaTeX, Markdown, NONMEM, Pirana/PsN,
Phoenix WinNonlin, Monolix, ADAPT-V, PFIM

**Data Base Engines
Tools**

PostgreSQL
Git, SVN, VSCode, RStudio

PUBLICATIONS

1. Álvarez JC, Cuervo SI, Silva E, Díaz JA, Jiménez LL, Parra DS, et al. Pharmacokinetics and Pharmacodynamics of Cefepime in Adults with Hematological Malignancies and Febrile Neutropenia after Chemotherapy. *Antibiotics*. 2021;10:504. <https://doi.org/10.3390/antibiotics10050504>.
2. Parra González D, Pérez Mesa JA, Cuervo Maldonado SI, Díaz Rojas JA, Cortés JA, Silva Gómez E, et al. Pharmacokinetics of Vancomycin among Patients with Chemotherapy-Associated Febrile Neutropenia: Which Would Be the Best Dosing to Obtain Appropriate Exposure? *Antibiotics*. 2022;11:1523. <https://doi.org/10.3390/antibiotics11111523>
3. Nivia D, Vivas JD, Briceño W, Parra DS, Mena M, Jaimes D, et al. Vancomycin Population Pharmacokinetic Models in Non-Critically Ill Adult Patients: a scoping review. *Frontiers Research*. 2025;11:1513. <https://doi.org/10.12688/f1000research.128260.2>.

HONORS AND RECOGNITIONS

National University of Colombia*Thesis with Honors: Master of Sciences Pharmacology*

December 2020

Bogotá, Colombia

- Meritorious distinction for the Master's thesis in Pharmacological Sciences titled "Population Pharmacokinetics in the Empirical Management of Infections in Patients with Hematological Neoplasms and Post-Chemotherapy Febrile Neutropenia."

National University of Colombia*Teaching Assistant*

February 2016

Bogotá, Colombia

- Received recognition and grant with a teaching assistant scholarship.

National University of Colombia*First Place in EFI-CIENCIAS Exam*

February 2016
Bogotá, Colombia

- Achieved first place in the graduate exam for the pharmacy program.

NON-FORMAL EDUCATION

2024, Attendance at the V RedIF Congress (Bogotá D.C.)

2022, Course on Stochastic Optimization - National University of Colombia (Bogotá D.C.).

2021, Fundamentals of Reinforcement Learning - Coursera (Bogotá D.C.).

2020, Training in Data Science (Data Science For All) - Correlation One (Bogotá D.C., August 2020, to November 2020).

2019, Course on Good Pharmacovigilance Practices with a Risk Management Approach (Bogotá D.C., September 26, 2019).

2018, Attendance at the 32nd Colombian Congress of Metabolism and Clinical Nutrition (Bogotá D.C.).

2017, Participation in the 14th International Pharmacovigilance Meeting and 4th National Pharmacovigilance Meeting (Bogotá D.C.).

2015, Attendance at the 6th International Symposium on HAI: Antimicrobial Stewardship (Bogotá D.C.).

2012, Participation in the 58th IPSF (International Pharmaceutical Students' Federation) World Congress (Hurghada, Egypt).