

DANIEL PARRA GONZÁLEZ

Bogotá DC, Colombia
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EDUCATION

National University of Colombia
Master of Science - Pharmacology

July 2022

National University of Colombia
Pharmacy

August 2014

EXPERIENCE

Parexel
PK Scientist

July 2022 - Present
Bogotá, Colombia

- Analyze clinical PK/PD data as a member of multidisciplinary development teams.
- Collaborate with clinical teams to design PK/PD components in various study designs such as first-in-human, bioequivalence, and drug interaction studies.
- Contribute to the PK/PD sections of relevant clinical documents.
- Contribute to the design, analysis, reporting, and presentation of PK/PD modeling and simulation initiatives, including population PK/PD analyses for all phases of development.
- Review scientific documentation, including clinical study protocols, SOPs, statistical analysis plans, and clinical study reports.

Fondo Nacional de Estupefacientes
Data Analyst

March 2021 - July 2022
Bogotá, Colombia

- Study the factors affecting demand (sales), waiting times, costs, budgets, service levels, and other operational variables related to state-monopoly medication manufacturing.
- Generate forecasts and optimize decision rules to improve manufacture planning.
- Support the development of software for deploying models to plan and schedule state medication restocking activities.

Fondo Nacional de Estupefacientes
Pharmacovigilance Program Specialist

July 2019 - November 2019
Bogotá, Colombia

- Identify and analyze adverse events related to state-monopoly medications.
- Support the development of consumption and product safety studies.
- Generate, monitor, review, and analyze medication safety alerts.
- Assist in the implementation of the pharmacovigilance program's documentation plan.

Fundación Hospital de la Misericordia
Pharmacist

October 2014 - December 2017
Bogotá, Colombia

- Support the preparation and quality control of sterile and non-sterile compounding preparations.
- Identify, analyze, and report adverse events related to medications and health devices used in the institution.
- Assist in the provision of medications such as antidote serums, antimalarial, antimalaric, and anti-tuberculosis drugs, among others, used in public health programs.
- Support quality assurance for GMP compliance for the medical air system.

Universidad Nacional de Colombia*Teaching Assistant*

February 2016 - December 2017

Bogotá, Colombia

- Coordinate the reception and presentation of consultations from external clients at the center.
- Participate in the editorial group for the CIMUN website.

Aristizabal & Jiménez Abogados*Regulatory Analyst*

February 2014 - May 2014

Bogotá, Colombia

- Collaborate in dossier preparation for health registrations related to new drug products or medical devices.
- Support the reporting of serious adverse events for sponsors.
- Assist in the review of advertising projects in accordance with regulatory requirements.

TECHNICAL STRENGTHS

**Programming Languages
Software**

R, Python, VBA, C++, Stan, Javascript
MS Excel, MS Word, LATEX, Markdown, NONMEM, Phoenix, Monolix
ADAPT-V, PFIM,

**Data Base Engines
Tools**

PostgreSQL
SVN, VSCode, GiT, 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>

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 to 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).