GENNER PINEDA

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EDUCATION

Undergraduate | *Mathematics* | **8.6/10**   2017−2022.
UNAL (National University of Colombia)   Medellin, Colombia.

Master | *Mathematics* | **9.75/10** | **Graduated with honors**   2023−2024
UNAM (National Autonomous University of Mexico)   CDMX, Mexico.

PhD | *Mathematics*   2025−2029
UNAM (National Autonomous University of Mexico)   CDMX, Mexico.

WORK EXPERIENCE

Student Assistant.   September 2021 – February 2022.
National University of Colombia.   Medellín, Antioquia.

- I studied existence, uniqueness, regularity and positivity results in the solution of a mathematical model of Navier-Stokes type chemotaxis with Lotka-Volterra type kinetics.
- I developed my undergraduate thesis on the basis of the research carried out (see publication).

Teacher Assistant.   August 2024
National Autonomous University of Mexico.   CDMX, México.

- Partial Differential Equations I, 2024-2
- Analysis II, 2025-1
- Numerical Methods for ODEs, 2025-1

PROYECTS AND RESEARCH

Research project in Partial Differential Equations.   Fall 2021.
National University of Colombia.   Medellín, Antioquia.

SKILLS

Languanges: Spanish (Native), English (B2).

Code: MATLAB, Python, Java, LaTeX.

CONFERENCES AND PRESENTATIONS

Analysis of diabetes mortality with a hierarchical APC-type model implemented in R.   August 2022
31st International Statistics Symposium   Manizales, Caldas

Potential Theory Workshop: September 2023
Intersections in Harmonic Analysis, Partial Differential Equations and Probability.   Guanajuato

HONORS AND AWARDS

Best ICFES of the class of 2016, Colegio Antonio Holguín Garcés.   Fall 2016
Merit obtained for high performance in the ICFES national high school exam.

SPP3 Grant.   Spring 2017
Scholarship awarded for scoring in the top 1% of the nation on the ICFES tests.

Tuition waiver for the first semester of the undergraduate program. Spring 2017.

Merit obtained for being the third best in the entrance exam for the undergraduate program in Mathematics at the Universidad Nacional de Colombia.

Conahcyt Scholarship, Government of Mexico. Fall 2022.

Scholarship offered by the Mexican government to students accepted in high quality national graduate programs with excellent academic performance in undergraduate studies.