Dr. Elena Cristina González Castillo
Research Professor at the Molecular and Experimental Medicine Unit
National System of Researchers Level I

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Degrees:

- PhD en Infectómica y Patogénesis Molecular – Centro de Investigación y de Estudios Avanzados-IPN (2012)
- Licenciatura en Biología– Universidad Nacional Autónoma de México (2002)

Research areas:

- Immunology
- Obesity
- Cardiovascular diseases

Selected publications:

1. Previous cardiovascular injury is a prerequisite for immune checkpoint inhibitor-associated lethal myocarditis in mice - ESC heart failure, 2024.
2. Integrative analysis of lipid profiles in plasma allows cardiometabolic risk factor clustering in children with metabolically unhealthy obesity - Oxid Med Cell Longev, 2020.
3. Reduced Th1 response is associated with lower glycolytic activity in activated peripheral blood mononuclear cells after metabolic and bariatric surgery - J Endocrinol Invest, 2021.

Awards and recognitions:

- Best Research. Postdoctoral Fellow. American College of Cardiology. Latin American Section

Current projects:

- Impact of obesity and intestinal permeability on the immune response to common respiratory viral infections in school-aged patients.
- Characterization of the inflammatory infiltrate in cardiac tissue and the role of the NLRP3 inflammasome in a mouse model of obesity-associated heart failure.