Stanford

Daiana Fornes

Life Science Research Professional 3, Obstetrics Anesthesiology

Bio

BIO

Daiana Fornes is a postdoctoral scholar at Stanford University, supported by a Maternal & Child Health Research Institute (MCHRI) Postdoctoral Fellowship. Her research centers on reproductive biology and pregnancy disorders, with a particular focus on uterine contractility, preterm labor, and uterine atony. She investigates calcium signaling pathways, including the role of TRPV4 ion channels, to identify novel therapeutic strategies aimed at improving maternal health outcomes.

Daiana earned her PhD from the University of Buenos Aires, where she studied metabolic alterations during pregnancy and their effects on fetal development. Her training has provided her with a strong foundation in translational research, with extensive experience in experimental design, molecular biology, and the analysis of signaling pathways.

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- MCHRI Postdoctoral Fellowship, Stanford Maternal & Child Health Research Institute (07/01/2023)

PROGRAM AFFILIATIONS

- SPARK at Stanford

Publications

PUBLICATIONS

- **Loss of TRPV4 decreases NFκB-mediated myometrial inflammation and prevents preterm labor.** *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*
  Ingles, J. A., Rodriguez, Z., Fornes, D., Ying, L., Han, X., Cornfield, D. N., Alvira, C. M.
  2025; 39 (4): e70418

- **Intracellular Calcium Response to Oxytocin in Uterine Smooth Muscle Cells From Patients With Uterine Atony.** *Anesthesia and analgesia*
  Ansari, J. R., Fornes, D., Obiyo, L. T., Michel, G., Cornfield, D. N.
  2024

- **miR-203 modulates pregnant myometrium contractility via transient receptor potential vanilloid 4 channel expression.** *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*
  Ying, L., Fornes, D. D., Dobberfuhl, A. D., Ansari, J. R., Alvira, C. M., Cornfield, D. N.
  2024; 38 (22): e70173

- **ROLE OF TRPV4 IN MODULATING CALCIUM SIGNALING PATHWAYS IN NON-LABORING PREGNANT WOMEN: IMPLICATIONS FOR MYOMETRIAL CONTRACTILITY AND PRETERM LABOR MANAGEMENT**
  Fornes, D., Ying, L., Ansari, J., Obiyo, L., Alvira, C., Cornfield, D.
  W B SAUNDERS CO LTD.2023: E33-E34

- **Transient Receptor Potential Vanilloid 4 Channel Blockade Decreases Contractility of the Pregnant Human Myometrium**
  Ying, L., Fornes, D., Obiyo, L. T., Ansari, J., Alvira, C. M., Cornfield, D. N.
  SPRINGER HEIDELBERG.2023: 112A-113A