



Raúl Montiel-Esparza

- Affiliate, Dean's Office Operations - Dean Other
- Fellow in Pediatrics - Hematology & Oncology

Bio

BIO

Raúl Montiel-Esparza grew up in central Mexico and graduated with honors from Tecnológico de Monterrey Escuela de Medicina. Raúl completed a postdoctoral research fellowship in cancer immunology at Johns Hopkins University and trained at University of Texas Southwestern medical center for his Pediatrics residency. He has presented his work on leukemia and myelodysplasia several times at national conferences and has several publications and co-authorships. His experiences as a clinician, scientist, and advocate have ultimately inspired him to explore adaptive T-cell therapies in GHVD and decreasing barriers to bone marrow transplant and improving donor availability in Latin America.

CLINICAL FOCUS

- Fellow
- Pediatric Hematology/Oncology
- Haploidentical stem cell transplantation

HONORS AND AWARDS

- Pete and Arline Harman Endowed Fellow, Stanford Maternal and Child Health Research Institute (MCHRI) (2020-)

PROFESSIONAL EDUCATION

- Board Certification, American Board of Pediatrics , Pediatrics (2020)
- Residency, University of Texas Southwestern Medical Center. Dallas, TX. , Pediatrics (2019)
- Postdoctoral research fellow, Johns Hopkins University. Baltimore, MD. , Cancer immunology (2016)
- MD, Escuela de Medicina Tecnológico de Monterrey (ITESM). Monterrey, N.L. México. (2013)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Pediatric Hem/Onc (Fellowship Program)

Publications

PUBLICATIONS

- **Use of cardiac radiation therapy as bridging therapy to CAR-T for relapsed pediatric B-cell acute lymphoblastic leukemia.** *Pediatric blood & cancer* Marquez, C. P., Montiel-Esparza, R., Hui, C., Schultz, L. M., Davis, K. L., Hoppe, R. T., Donaldson, S. S., Ramakrishna, S., Hiniker, S. M. 2020: e28870

- **Use of Chimeric Antigen Receptor Modified T Cells With Extensive Leukemic Myocardial Involvement** *JACC: CARDIOONCOLOGY*
Han, B., Montiel-Esparza, R., Chubb, H., Kache, S., Schultz, L. M., Davis, K. L., Ramakrishna, S., Su, L.
2020; 2 (4): 666–70
- **Delayed cancer diagnoses and high mortality in children during the COVID-19 pandemic.** *Pediatric blood & cancer*
Ding, Y., Ramakrishna, S., Long, A. H., Phillips, C. A., Montiel-Esparza, R., Diorio, C. J., Bailey, L. C., Maude, S. L., Aplenc, R., Batra, V., Reilly, A. F., Rheingold, S. R., Lacayo, et al
2020: e28427
- **Immunomodulation with pomalidomide at early lymphocyte recovery after induction chemotherapy in newly diagnosed AML and high-risk MDS** *LEUKEMIA*
Zeidner, J. F., Knaus, H. A., Zeidan, A. M., Blackford, A. L., Montiel-Esparza, R., Hackl, H., Prince, G. T., Gondek, L. P., Ghiaur, G., Showel, M. M., DeZern, A. E., Pratz, K. W., Smith, et al
2020
- **A Novel Case of Carcinoid Tumor in a Pediatric Patient With Short Bowel Syndrome Secondary to Gastroschisis** *J Pediatr Gastroenterol Nutr*
Huang, A. C., Montiel-Esparza, R., Scott, G., Martin, B., Bruzoni, M., Kadapakkam, M., Namjoshi, S. S.
2020; 1 (2)
- **Use of Chimeric Antigen Receptor Modified T Cells With Extensive Leukemic Myocardial Involvement** *JACC: CardioOncology*
Han, B., Montiel-Esparza, R., Chubb, H., Kache, S., Schultz, L. M., Davis, K. L., Su, L.
2020; 2 (4)
- **A Signature of T Cell Exhaustion Is Enriched in the Bone Marrow (BM) of AML Patients and Shared with Immune Exhaustion Signatures of Solid Tumors**
Knaus, H. A., Hackl, H., Blackford, A., Berglund, S., Montiel-Esparza, R., Zeidner, J. F., Gojo, I., Luznik, L.
AMER SOC HEMATOLOGY.2019
- **Connecting the Dots From Fever of Unknown Origin to Myelodysplastic Syndrome: GATA2 Haploinsufficiency.** *Journal of pediatric hematology/oncology*
Montiel-Esparza, R. n., Reys, B. n., Rogers, Z. R., Evans, A. S., Wysocki, C. A., Timmons, C. n., Dickerson, K. E.
2019
- **Effective Immunomodulation with Pomalidomide Beginning at Early Lymphocyte Recovery during Induction Timed Sequential Therapy (TST) for Acute Myeloid Leukemia (AML) and High-Risk Myelodysplasia (HR-MDS)**
Zeidner, J. F., Knaus, H., Zeidan, A. M., Blackford, A., Montiel-Esparza, R., Prince, G. T., Gondek, L. P., Ghiaur, G., Showel, M. M., DeZern, A. E., Pratz, K. W., Smith, B., Levis, et al
AMER SOC HEMATOLOGY.2018
- **Signatures of CD8(+) T cell dysfunction in AML patients and their reversibility with response to chemotherapy** *JCI INSIGHT*
Knaus, H. A., Berglund, S., Hackl, H., Blackford, A. L., Zeidner, J. F., Montiel-Esparza, R., Mukhopadhyay, R., Vanura, K., Blazar, B. R., Karp, J. E., Luznik, L., Gojo, I.
2018; 3 (21)
- **Acute Myeloid Leukemia (AML) Blasts Influence the Gene Expression Signature and Co-Signaling Receptor Expression of CD8(+) T Cells**
Knaus, H. A., Berglund, S., Hackl, H., Montiel-Esparza, R., Levis, M. J., Karp, J. E., Gojo, I., Luznik, L.
AMER SOC HEMATOLOGY.2016
- **Phase 1 Study of Pomalidomide Given at the Time of Early Lymphocyte Recovery after Induction Timed Sequential Chemotherapy in Newly Diagnosed Acute Myeloid Leukemia (AML) and High-Risk Myelodysplastic Syndrome (HR-MDS)**
Zeidner, J. F., Montiel-Esparza, R., Knaus, H. A., Berglund, S., Zeidan, A. M., McCurdy, S. R., Prince, G. T., Gondek, L. P., Ghiaur, G., Showel, M. M., DeZern, A. E., Pratz, K. W., Smith, et al
AMER SOC HEMATOLOGY.2016
- **Immune Modulation with Pomalidomide after Induction Chemotherapy in Newly Diagnosed Acute Myeloid Leukemia (AML)**
Montiel-Esparza, R., Knaus, H. A., Zeidner, J. F., Vulic, A., Prince, G. T., Smith, B., Levis, M. J., Streicher, H., Karp, J. E., Luznik, L., Gojo, I.
AMER SOC HEMATOLOGY.2015
- **Tracking Effector T Cell Dynamics and Immune Inhibitory Receptors in Patients with Acute Myeloid Leukemia (AML)**
Knaus, H. A., Montiel-Esparza, R., Zeidner, J. F., Blackford, A., Kanakry, C. G., Vulic, A., Levis, M. J., Karp, J. E., Luznik, L., Gojo, I.
AMER SOC HEMATOLOGY.2015