

Stanford



Vali Barsan

- Fellow in Pediatrics - Hematology & Oncology
- Affiliate, School of Medicine - Dean's Office

Bio

BIO

Vali Barsan, MD is a clinical fellow in the Division of Pediatric Hematology and Oncology at the Lucile Packard Children's Hospital, Stanford University School of Medicine. Dr. Barsan obtained his BS in bioengineering at UC San Diego Jacobs School of Engineering prior to developing Next Generation Sequencing tools as an engineer at Illumina. He earned his MD at Baylor College of Medicine where he studied the biology of metastasis at the molecular level in the Mani Lab at MD Anderson Cancer Center followed by residency in pediatrics at UC San Diego. At Stanford, he is focused on expanding the utility of immunotherapy in pediatric and adult cancers in the Mackall Lab through the use of molecular techniques that both inform personalized therapy and trend response to treatment.

CLINICAL FOCUS

- Fellow
- Pediatric Hematology-Oncology
- Cancer Immunology and Immunotherapy

HONORS AND AWARDS

- Anne T. and Robert M. Bass Endowed Fellow, Stanford Maternal and Child Health Research Institute (MCHRI) (2019 -)

PROFESSIONAL EDUCATION

- Board Certification, Pediatrics, American Board of Pediatrics (2019)
- Residency, UC San Diego , Pediatrics (2018)
- MD, Baylor College of Medicine (2015)
- BS, UC San Diego , Bioengineering (2009)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Adoptive T cell immunotherapy entails engineering immune cells to recognize cancer-specific antigens and target them for destruction. Barriers to efficacy can arise from both tumor antigen related as well as T cell related features. I am interested developing noninvasive molecular tools that enable us to understanding these relationships to improve the clinical application and development of cellular immunotherapeutics.

Publications

PUBLICATIONS

- **Toward a comprehensive view of cancer immune responsiveness: a synopsis from the SITC workshop.** *Journal for immunotherapy of cancer*

Bedognetti, D., Ceccarelli, M., Galluzzi, L., Lu, R., Palucka, K., Samayoa, J., Spranger, S., Warren, S., Wong, K., Ziv, E., Chowell, D., Coussens, L. M., De
Carvalho, et al
2019; 7 (1): 131

● **NIVOLUMAB IN THE TREATMENT OF RECURRENT OR REFRACTORY PEDIATRIC BRAIN TUMORS: A SINGLE INSTITUTIONAL EXPERIENCE**

Gorsi, H., Malicki, D., Khanna, P., Elster, J., Barsan, V., Tumblin, M., Yeh-Nayre, L., Milburn, M., Crawford, J.
OXFORD UNIV PRESS INC.2018: 100

● **Primer on Cancer Immunotherapy and the Targeting of Native Proteins** *Early Phase Cancer Immunotherapy*

Barsan, V., Tume, P.
Springer.2018

● **Long-term follow-up and pregnancy after complete sacrectomy with lumbopelvic reconstruction: case report and literature review** *BMC PREGNANCY AND CHILDBIRTH*

Barsan, V. V., Briceno, V., Gandhi, M., Jea, A.
2016; 16: 1

● **A novel embryonic plasticity gene signature that predicts metastatic competence and clinical outcome** *SCIENTIFIC REPORTS*

Soundararajan, R., Paranjape, A. N., Barsan, V., Chang, J. T., Mani, S. A.
2015; 5: 11766