



Ece Canan Sayitoglu

Postdoctoral Scholar, Stem Cell Transplantation

Bio

BIO

Experienced Postdoctoral Researcher with a demonstrated history of working with genetically modified immune cells. Skilled in Genome Editing/Crispr, Multi-color Flow Cytometry, Molecular Biology, Cell Culture and Immunotherapy.

INSTITUTE AFFILIATIONS

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

PROFESSIONAL EDUCATION

- Bachelor of Science, Sabanci University (2009)
- Master of Science, University Of London (2011)
- Doctor of Philosophy, Sabanci University (2017)
- Post-doctoral research associate, Nova Southeastern University , Immunology/Cell Therapy (2019)
- PhD, Sabanci University , Molecular Immunology (2017)
- Master of Science, King's College London , Immunology (2010)
- Bachelor of Science, Sabanci University , Biological Sciences and Bioengineering (2009)

STANFORD ADVISORS

- Maria-Grazia Roncarolo, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Engineered Type 1 Regulatory T Cells Have a Cytotoxic Profile and Kill Pediatric Acute Myeloid Leukemia Cells**
Sayitoglu, E., Uyeda, M., Liu, J. M., Cieniewicz, B., Chen, P., Lacayo, N., Cepika, A., Roncarolo, M.
CELL PRESS.2021: 317
- **Pre-clinical development and molecular characterization of an engineered type 1 regulatory T-cell product suitable for immunotherapy.** *Cytotherapy*
Liu, J. M., Chen, P., Uyeda, M. J., Cieniewicz, B., Sayitoglu, E. C., Thomas, B. C., Sato, Y., Bacchetta, R., Cepika, A. M., Roncarolo, M. G.
2021
- **The Yin and Yang of Type 1 Regulatory T Cells: From Discovery to Clinical Application.** *Frontiers in immunology*
Sayitoglu, E. C., Freeborn, R. A., Roncarolo, M. G.
2021; 12: 693105
- **Characterization of zika virus infection of human fetal cardiac mesenchymal stromal cells.** *PLoS one*

Rossi, F., Josey, B., Sayitoglu, E. C., Potens, R., Sultu, T., Duru, A. D., Beljanski, V.

2020; 15 (9): e0239238

● **Boosting Natural Killer Cell-Mediated Targeting of Sarcoma Through DNAM-1 and NKG2D.** *Frontiers in immunology*

Sayitoglu, E. C., Georgoudaki, A. M., Chrobok, M., Ozkazanc, D., Josey, B. J., Arif, M., Kusser, K., Hartman, M., Chinn, T. M., Potens, R., Pamukcu, C., Krueger, R., Zhang, et al

2020; 11: 40

● **Engineering antigen-specific NK cell lines against the melanoma-associated antigen tyrosinase via TCR gene transfer** *EUROPEAN JOURNAL OF IMMUNOLOGY*

Parlar, A., Sayitoglu, E., Ozkazanc, D., Georgoudaki, A., Pamukcu, C., Aras, M., Josey, B. J., Chrobok, M., Braneccki, S., Zahedimaram, P., Ikromzoda, L., Alici, E., Erman, et al

2019; 49 (8): 1278–90

● **Successive crystal structure snapshots suggest the basis for MHC class I peptide loading and editing by tapasin** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Hafstrand, I., Sayitoglu, E., Apavaloaci, A., Josey, B., Sun, R., Han, X., Pellegrino, S., Ozkazanc, D., Potens, R., Janssen, L., Nilvebrant, J., Nygren, P., Sandalova, et al

2019; 116 (11): 5055–60

● **Functional Assessment for Clinical Use of Serum-Free Adapted NK-92 Cells** *CANCERS*

Chrobok, M., Dahlberg, C. M., Sayitoglu, E., Beljanski, V., Nahi, H., Gilljam, M., Stellan, B., Sutlu, T., Duru, A., Alici, E.

2019; 11 (1)