

Stanford



Eran Blacher

Postdoctoral Research Fellow, Neurology and Neurological Sciences

Bio

HONORS AND AWARDS

- Stanford University School of Medicine Dean's Postdoctoral Fellowship, Stanford School of Medicine (2020)
- Dean of Faculty Fellowship, Weizmann Institute of Science, Israel. (2017-2019)
- Ela Kodesh Cancer Research Institute, Tel-Aviv University, Israel. (2015)
- Iafa Keydar Cancer Research Endowment, Tel-Aviv University, Israel. (2015)
- Sagol School of Neuroscience, Tel-Aviv University, Israel. (2015)
- TAU Cancer Biology Research Center (CBRC), Tel-Aviv University, Israel (2015)
- The Life Science Faculty Award for Excellence Achievements in Research, Tel-Aviv University, Israel. (2015)
- Adams Super-Center for Brain Studies, Tel-Aviv University, Israel. (2013)
- Anat Krauskopf travel fund, Tel-Aviv University, Israel (2013)
- Ela Kodesh Cancer Research Institute, Tel-Aviv University, Israel (2013)
- TAU Cancer Biology Research Center (CBRC), Tel-Aviv University, Israel. (2012)
- The Dean's list honors direct Ph.D. program for outstanding students. The Argentina foundation., Tel-Aviv University, Israel (2011-2015)
- Constantiner institute for molecular genetics, Tel-Aviv University, Israel (2010)
- Dean award for excellence, Tel-Aviv University, Israel. (2010)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Tel-Aviv University (2016)
- Bachelor of Science, Tel-Aviv University (2011)

LINKS

- My site: <https://sites.google.com/view/eranblacher/home>

Publications

PUBLICATIONS

- **Potential roles of gut microbiome and metabolites in modulating ALS in mice.** *Nature*
Blacher, E., Bashiardes, S., Shapiro, H., Rothschild, D., Mor, U., Dori-Bachash, M., Kleimeyer, C., Moresi, C., Harnik, Y., Zur, M., Zabari, M., Brik, R. B., Kviatcovsky, et al
2019
- **Stromal CD38 regulates outgrowth of primary melanoma and generation of spontaneous metastasis.** *Oncotarget*

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- Ben Baruch, B., Blacher, E., Mantsur, E., Schwartz, H., Vaknine, H., Erez, N., Stein, R.
2018; 9 (61): 31797–811
- **Hyperglycemia drives intestinal barrier dysfunction and risk for enteric infection.** *Science (New York, N.Y.)*
Thaiss, C. A., Levy, M., Grosheva, I., Zheng, D., Soffer, E., Blacher, E., Braverman, S., Tengeler, A. C., Barak, O., Elazar, M., Ben-Zeev, R., Lehavi-Regev, D., Katz, et al
2018; 359 (6382): 1376–83
 - **Our Gut Microbiome: The Evolving Inner Self.** *Cell*
Kundu, P., Blacher, E., Elinav, E., Pettersson, S.
2017; 171 (7): 1481–93
 - **The gut microbiome and hypertension.** *Current opinion in nephrology and hypertension*
Pevsner-Fischer, M., Blacher, E., Tatirovsky, E., Ben-Dov, I. Z., Elinav, E.
2017; 26 (1): 1–8
 - **Microbiome, metabolites and host immunity.** *Current opinion in microbiology*
Levy, M., Blacher, E., Elinav, E.
2017; 35: 8–15
 - **Microbiome-Modulated Metabolites at the Interface of Host Immunity.** *Journal of immunology (Baltimore, Md. : 1950)*
Blacher, E., Levy, M., Tatirovsky, E., Elinav, E.
2017; 198 (2): 572–80
 - **Incipient Melanoma Brain Metastases Instigate Astrogliosis and Neuroinflammation.** *Cancer research*
Schwartz, H., Blacher, E., Amer, M., Livneh, N., Abramovitz, L., Klein, A., Ben-Shushan, D., Soffer, S., Blazquez, R., Barrantes-Freer, A., Müller, M., Müller-Decker, K., Stein, et al
2016; 76 (15): 4359–71
 - **Targeting CD38 in the tumor microenvironment: a novel approach to treat glioma** *Cancer Cell & Microenvironment*
Blacher, E., Levy, A., Ben Baruch, B., Green, K. D., Garneau-Tsodikova, S., Fridman, M., Stein, R.
2015
 - **Inhibition of glioma progression by a newly discovered CD38 inhibitor.** *International journal of cancer*
Blacher, E., Ben Baruch, B., Levy, A., Geva, N., Green, K. D., Garneau-Tsodikova, S., Fridman, M., Stein, R.
2015; 136 (6): 1422–33
 - **Exploring the Effects of Glycosylation and Etherification of the Side Chains of the Anticancer Drug Mitoxantrone.** *ChemMedChem*
Shaul, P., Steinbuch, K. B., Blacher, E., Stein, R., Fridman, M.
2015; 10 (9): 1528–38
 - **Alzheimer's disease pathology is attenuated in a CD38-deficient mouse model.** *Annals of neurology*
Blacher, E., Dadali, T., Bepalko, A., Hauptenthal, V. J., Grimm, M. O., Hartmann, T., Lund, F. E., Stein, R., Levy, A.
2015; 78 (1): 88–103
 - **Therapeutic effect of farnesylthiosalicylic acid on adjuvant-induced arthritis through suppressed release of inflammatory cytokines.** *Clinical and experimental immunology*
Aizman, E., Blacher, E., Ben-Moshe, O., Kogan, T., Kloog, Y., Mor, A.
2014; 175 (3): 458–67
 - **CD38 deficiency in the tumor microenvironment attenuates glioma progression and modulates features of tumor-associated microglia/macrophages.** *Neuro-oncology*
Levy, A., Blacher, E., Vaknine, H., Lund, F. E., Stein, R., Mayo, L.
2012; 14 (8): 1037–49
 - **Regulation of stress-induced nuclear protein redistribution: a new function of Bax and Bak uncoupled from Bcl-x(L).** *Cell death and differentiation*
Lindenboim, L., Blacher, E., Borner, C., Stein, R.
2010; 17 (2): 346–59