



## Viktoria Szeifert

Postdoctoral Scholar, Pathology

### Bio

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#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, International Society for Extracellular Vesicles (2018 - present)

#### PROFESSIONAL EDUCATION

- PhD, Semmelweis University , Molecular Medicine (2022)
- PharmD, Semmelweis University , Pharmacy (2018)

#### STANFORD ADVISORS

- Derick Okwan, Postdoctoral Faculty Sponsor

#### LINKS

- Google Scholar: <https://scholar.google.com/citations?user=Q7cpJh8AAAAJ&hl=hu&oi=ao>

### Publications

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#### PUBLICATIONS

- **Comparative analysis of extracellular vesicles released from resting neutrophils under distinct pharmacological inhibition.** *Scientific reports*  
Szeifert, V., Szeifert, A., Arnold, W. R., Terasaki, A., Bhatnagar, K., Okwan-Duodu, D.  
2026
- **When Central Tolerance Fails: Thymic Malignancies at the Intersection of Cancer Immunity and Autoimmunity.** *Cancers*  
Abikenari, M., Choi, J., Enayati, I., Tucker, A., Bhatnagar, K., Chen, Y., Himic, V., Liu, J., Nageeb, G., Poe, J., Ong, S. J., Sanker, V., Diehl, et al  
2026; 18 (5)
- **Mitochondrial transfer from immune to tumor cells enables lymph node metastasis.** *Cell metabolism*  
Terasaki, A., Bhatnagar, K., Weiner, A. T., Tan, Y., Szeifert, V., Huang, H. L., Wiggers, L., Rodrigues, V., Rada, C. C., Shankar, V., Saito, S., Ankomah, P. O., Roth, et al  
2026
- **Mitochondria redistribution organizes the immunosuppressive tumor ecosystem.** *bioRxiv : the preprint server for biology*  
Terasaki, A., Weiner, A. T., Tan, Y., Szeifert, V., Bhatnagar, K., Rada, C. C., Shankar, V., Kernick, C., Mahmood, M., Wiggers, L., Rodrigues, V. R., Gammage, P. A., Roth, et al  
2025
- **Minimal information for studies of extracellular vesicles (MISEV2023): From basic to advanced approaches** *JOURNAL OF EXTRACELLULAR VESICLES*  
Welsh, J. A., Goberdhan, D. C. I., O'Driscoll, L., Buzas, E. I., Blenkiron, C., Bussolati, B., Cai, H., Di Vizio, D., Driedonks, T. A. P., Erdbrugger, U., Falcon-Perez, J. M., Fu, Q., Hill, et al  
2024; 13 (2): e12404

- **Mac-1 Receptor Clustering Initiates Production of Pro-Inflammatory, Antibacterial Extracellular Vesicles From Neutrophils** *FRONTIERS IN IMMUNOLOGY*  
Szeifert, V., Kolonics, F., Bartos, B., Khamari, D., Vagi, P., Barna, L., Ligeti, E., Lorincz, A. M.  
2021; 12: 671995
- **The Functional Heterogeneity of Neutrophil-Derived Extracellular Vesicles Reflects the Status of the Parent Cell** *CELLS*  
Kolonics, F., Szeifert, V., Timar, C., Ligeti, E., Lorincz, A. M.  
2020; 9 (12)
- **Human Neutrophils Produce Antifungal Extracellular Vesicles against *Aspergillus fumigatus*** *MBIO*  
Shopova, I. A., Belyaev, I., Dasari, P., Jahreis, S., Stroe, M. C., Cseresnyes, Z., Zimmermann, A., Medyukhina, A., Svensson, C., Krueger, T., Szeifert, V., Nietzsche, S., Conrad, et al  
2020; 11 (2)
- **Role of Mac-1 integrin in generation of extracellular vesicles with antibacterial capacity from neutrophilic granulocytes** *JOURNAL OF EXTRACELLULAR VESICLES*  
Lorincz, A. M., Bartos, B., Szombath, D., Szeifert, V., Timar, C. I., Turiak, L., Drahos, L., Kittel, A., Veres, D. S., Kolonics, F., Mocsai, A., Ligeti, E.  
2020; 9 (1): 1698889
- **Different Calcium and Src Family Kinase Signaling in Mac-1 Dependent Phagocytosis and Extracellular Vesicle Generation** *FRONTIERS IN IMMUNOLOGY*  
Lorincz, A. M., Szeifert, V., Bartos, B., Szombath, D., Mocsai, A., Ligeti, E.  
2019; 10: 2942
- **New flow cytometry-based method for the assessment of the antibacterial effect of immune cells and subcellular particles** *JOURNAL OF LEUKOCYTE BIOLOGY*  
Lorincz, A. M., Szeifert, V., Bartos, B., Ligeti, E.  
2018; 103 (5): 955-963