

Stanford

Oliver Wirz

Postdoctoral Scholar, Pathology

Bio

HONORS AND AWARDS

- Poster prize, Stanford Pathology Research Retreat (02/26/2021)
- Early Postdoc.Mobility fellowship, Swiss National Science Foundation (SNSF) (09/01/2019)

STANFORD ADVISORS

- Scott Boyd, Postdoctoral Faculty Sponsor

LINKS

- My lab site: <http://med.stanford.edu/scottboydlab.html>

Research & Scholarship

LAB AFFILIATIONS

- Scott Boyd, Boyd lab (9/23/2019)

Publications

PUBLICATIONS

- **Spheromers reveal robust T cell responses to the Pfizer/BioNTech vaccine and attenuated peripheral CD8+ T cell responses post SARS-CoV-2 infection.** *Immunity*
Gao, F., Mallajoyula, V., Arunachalam, P. S., van der Ploeg, K., Manohar, M., Röltgen, K., Yang, F., Wirz, O., Hoh, R., Haraguchi, E., Lee, J. Y., Willis, R., Ramachandiran, et al
2023
- **Reinfection with SARS-CoV-2 and Waning Humoral Immunity: A Case Report.** *Vaccines*
Goldman, J. D., Wang, K., Röltgen, K., Nielsen, S. C., Roach, J. C., Naccache, S. N., Yang, F., Wirz, O. F., Yost, K. E., Lee, J. Y., Chun, K., Wrin, T., Petropoulos, et al
2022; 11 (1)
- **Immune imprinting, breadth of variant recognition, and germinal center response in human SARS-CoV-2 infection and vaccination.** *Cell*
Röltgen, K., Nielsen, S. C., Silva, O., Younes, S. F., Zaslavsky, M., Costales, C., Yang, F., Wirz, O. F., Solis, D., Hoh, R. A., Wang, A., Arunachalam, P. S., Colburg, et al
2022
- **T regulatory cells from atopic asthmatic individuals show a Th2-like phenotype.** *Allergy*
Jansen, K., Satitsuksanoa, P., Wirz, O. F., Schneider, S. R., van de Veen, W., Tan, G., Sokolowska, M., Message, S. D., Kebabdz, T., Glanville, N., Mallia, P., Akdis, C. A., Moniuszko, et al
2021
- **Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition).** *European journal of immunology*
Cossarizza, A., Chang, H., Radbruch, A., Abrignani, S., Addo, R., Akdis, M., Andra, I., Andreat, F., Annunziato, F., Arranz, E., Bacher, P., Bari, S., Barnaba, et al
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- **Direct comparison of antibody responses to four SARS-CoV-2 vaccines in Mongolia.** *Cell host & microbe*
Dashdorj, N. J., Wirz, O. F., Roltgen, K., Haraguchi, E., Buzzanco, A. S., Sibai, M., Wang, H., Miller, J. A., Solis, D., Sahoo, M. K., Arunachalam, P. S., Lee, A. S., Shah, et al
2021
- **Characterisation of allergen-specific B cell tolerance in children with cow's milk-oral immunotherapy and natural outgrow of milk allergy**
Satitsuksanoa, P., Van De Veen, W., Tan, G., Wirz, O., Sokolowska, M., Chang, I., Nadeau, K., Akdis, M.
WILEY.2021: 101
- **Experimental rhinovirus infection induces an antiviral response in circulating B cells which is dysregulated in patients with asthma.** *Allergy*
Wirz, O. F., Jansen, K., Satitsuksanoa, P., van de Veen, W., Tan, G., Sokolowska, M., Mirer, D., Stanic, B., Message, S. D., Kebabze, T., Glanville, N., Mallia, P., Gern, et al
2021
- **Increased viral variants in children and young adults with impaired humoral immunity and persistent SARS-CoV-2 infection: A consecutive case series.** *EBioMedicine*
Truong, T. T., Ryutov, A., Pandey, U., Yee, R., Goldberg, L., Bhojwani, D., Aguayo-Hiraldo, P., Pinsky, B. A., Pekosz, A., Shen, L., Boyd, S. D., Wirz, O. F., Roltgen, et al
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- **Shared B cell memory to coronaviruses and other pathogens varies in human age groups and tissues.** *Science (New York, N.Y.)*
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- **mRNA vaccination compared to infection elicits an IgG-predominant response with greater SARS-CoV-2 specificity and similar decrease in variant spike recognition.** *medRxiv : the preprint server for health sciences*
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- **Plasma as an alternative COVID-19 diagnostic specimen in a hospitalized patient negative for SARS-CoV-2 by nasopharyngeal swab.** *Diagnostic microbiology and infectious disease*
Lawrence, L. n., Stevens, B. A., Sahoo, M. K., Huang, C. n., Yamamoto, F. n., Röltgen, K. n., Wirz, O. n., Zehnder, J. n., Shi, R. Z., Boyd, S. D., Schoolnik, G. n., Pinsky, B. A., Hogan, et al
2021; 100 (3): 115365
- **Loss of regulatory capacity in T regulatory cells upon rhinovirus infection.** *The Journal of allergy and clinical immunology*
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- **Use of Outpatient-Derived COVID-19 Convalescent Plasma in COVID-19 Patients Before Seroconversion.** *Frontiers in immunology*
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- **Efficient Identification of High-Titer Anti-Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Antibody Plasma Samples by Pooling Method.** *Archives of pathology & laboratory medicine*
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- **Reinfection with SARS-CoV-2 and Failure of Humoral Immunity: a case report.** *medRxiv : the preprint server for health sciences*
Goldman, J. D., Wang, K., Roltgen, K., Nielsen, S. C., Roach, J. C., Naccache, S. N., Yang, F., Wirz, O. F., Yost, K. E., Lee, J. Y., Chun, K., Wrin, T., Petropoulos, et al
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- **Increased antiviral response in circulating lymphocytes from hypogammaglobulinemia patients.** *Allergy*
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- **SARS-CoV-2 RNAemia in a Healthy Blood Donor 40 Days After Respiratory Illness Resolution.** *Annals of internal medicine*
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2020
- **Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition).** *European journal of immunology*
Cossarizza, A., Chang, H., Radbruch, A., Acs, A., Adam, D., Adam-Klages, S., Agace, W. W., Aghaeepour, N., Akdis, M., Allez, M., Almeida, L. N., Alvisi, G., Anderson, et al
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- **Impaired memory B-cell development and antibody maturation with a skewing toward IgE in patients with STAT3 hyper-IgE syndrome.** *Allergy*
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- **Two Distinct Pathways in Mice Generate Antinuclear Antigen-Reactive B Cell Repertoires.** *Frontiers in immunology*
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- **Exposure to nonmicrobial N-glycolylneuraminic acid protects farmers' children against airway inflammation and colitis.** *The Journal of allergy and clinical immunology*
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- **Novel mechanisms in immune tolerance to allergens during natural allergen exposure and allergen-specific immunotherapy.** *Current opinion in immunology*
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- **High-dose bee venom exposure induces similar tolerogenic B-cell responses in allergic patients and healthy beekeepers.** *Allergy*
Boonpiyathad, T., Meyer, N., Moniuszko, M., Sokolowska, M., Eljaszewicz, A., Wirz, O. F., Tomasiak-Lozowska, M. M., Bodzenta-Lukaszyk, A., Ruxrungtham, K., van de Veen, W.
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- **Interleukins (from IL-1 to IL-38), interferons, transforming growth factor β , and TNF- α : Receptors, functions, and roles in diseases.** *The Journal of allergy and clinical immunology*

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- **Role of regulatory B cells in immune tolerance to allergens and beyond.** *The Journal of allergy and clinical immunology*

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- **The development of autoimmune features in aging mice is closely associated with alterations of the peripheral CD4⁺ T-cell compartment.** *European journal of immunology*

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