



## Joseph Schroers-Martin

Assistant Professor of Medicine (Oncology)

Medicine - Oncology

### CLINICAL OFFICE (PRIMARY)

- **Stanford Internal Medicine**

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### Bio

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#### BIO

I am an assistant professor in medical oncology in the lymphoma group at Stanford. After a career in software development, I pursued training first in computational genomics and then in clinical hematology & oncology. My primary clinical interest is the detection, treatment, and surveillance of lymphomas. As a faculty member in the lymphoma group, I treat all lymphoma subtypes with a special emphasis on Hodgkin lymphoma and follicular lymphoma.

#### CLINICAL FOCUS

- Medical Oncology

#### ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Medicine - Oncology

#### HONORS AND AWARDS

- 2017 Cancer Fellow, Stanford Cancer Institute (2017)
- Abstract Achievement Award, American Society of Hematology (2018)
- ACP Award for Excellence in Internal Medicine, University of Hawaii John A. Burns School of Medicine (2015)
- Alpha Omega Alpha, University of Hawaii John A. Burns School of Medicine (2014)
- Gold Humanism Honor Society, University of Hawaii John A. Burns School of Medicine (2013)
- Merit Achievement Scholarship, University of Hawaii John A. Burns School of Medicine (2012)

#### PROFESSIONAL EDUCATION

- Board Certification: Medical Oncology, American Board of Internal Medicine (2022)
- Fellowship: Stanford University Hematology and Oncology Fellowship (2022) CA
- Board Certification: Internal Medicine, American Board of Internal Medicine (2020)
- Residency: Stanford University Internal Medicine Residency (2017) CA
- Medical Education: University of Hawaii at Manoa John A Burns School of Medicine (2015) HI

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am an assistant professor in medical oncology in the lymphoma group at Stanford. After a career in software development, I pursued training first in computational genomics and then in clinical hematology & oncology. My primary clinical interest is the detection, treatment, and surveillance of lymphomas. As a faculty member in the lymphoma group, I treat all lymphoma subtypes with a special emphasis on Hodgkin lymphoma and follicular lymphoma.

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Hematology (Fellowship Program)
- Oncology (Fellowship Program)

## Publications

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### PUBLICATIONS

- **CAR19 monitoring by peripheral blood immunophenotyping reveals histology-specific expansion and toxicity.** *Blood advances*  
Hamilton, M. P., Craig, E., Gentile Sanchez, C., Mina, A., Tamaresis, J., Kirmani, N., Ehlinger, Z., Syal, S., Good, Z., Sworder, B., Schroers-Martin, J., Lu, Y., Muffy, et al  
2024
- **A human lymphoma organoid model for evaluating and targeting the follicular lymphoma tumor immune microenvironment.** *Cell stem cell*  
Kastenschmidt, J. M., Schroers-Martin, J. G., Sworder, B. J., Sureshchandra, S., Khodadoust, M. S., Liu, C. L., Olsen, M., Kurtz, D. M., Diehn, M., Wagar, L. E., Alizadeh, A. A.  
2024
- **Specificity of Immunoglobulin High-Throughput Sequencing Minimal Residual Disease Monitoring in Non-Hodgkin Lymphomas.** *Blood advances*  
Shukla, N., Schroers-Martin, J., Sworder, B., Kathuria, K. R., Alig, S., Frank, M. J., Miklos, D. B., Coutre, S. E., Diehn, M., Khodadoust, M. S., Roschewski, M. J., Kurtz, D. M., Alizadeh, et al  
2023
- **Distinct Hodgkin lymphoma subtypes defined by noninvasive genomic profiling.** *Nature*  
Alig, S. K., Esfahani, M. S., Garofalo, A., Li, M. Y., Rossi, C., Flerlage, T., Flerlage, J. E., Adams, R., Binkley, M. S., Shukla, N., Jin, M. C., Olsen, M., Telenius, et al  
2023
- **CAR19 Therapy Drives Expansion of Clonal Hematopoiesis and Associated Cytopenias**  
Hamilton, M. P., Sworder, B. J., Alig, S. K., Good, Z., Boegeholz, J., Schroers-Martin, J., Tamaresis, J., Esfahani, M., Lu, Y., Olsen, M., Liu, C., Ehlinger, Z., Desai, et al  
AMER SOC HEMATOLOGY.2023
- **Longitudinal Noninvasive Surveillance & Fragmentomic Characterization of Follicular Lymphoma**  
Schroers-Martin, J., Mutter, J. A., Esfahani, M., Scherer, F., Soo, J., Alig, S. K., Kurtz, D. M., Sugio, T., Rossi, C., Tessoulin, B., Olsen, M., Liu, C., Diehn, et al  
AMER SOC HEMATOLOGY.2023
- **Inferred Gene Expression By Cell-Free DNA Profiling Allows Noninvasive Lymphoma Classification**  
Mutter, J. A., Esfahani, M., Schroers-Martin, J., Alig, S. K., Hamilton, M. P., Sworder, B. J., Tessoulin, B., Boegeholz, J., Flerlage, T., Flerlage, J. E., Binkley, M. S., Sugio, T., Rossi, et al  
AMER SOC HEMATOLOGY.2023
- **Distinct Circulating Genomic Features of Classical Hodgkin Lymphoma of Older Adults**  
Rossi, C., Boegeholz, J., Alig, S. K., Garofalo, A., Esfahani, M., Schroers-Martin, J., Olsen, M., Kang, X., Kurtz, D. M., Sugio, T., Hamilton, M. P., Andre, M., Casasnovas, et al  
AMER SOC HEMATOLOGY.2023

- **An Integrated Multimodal Framework for Noninvasive TCL Disease Detection and Monitoring**  
Sugio, T., Shukla, N., Khodadoust, M. S., Nesselbush, M., Kato, K., Alig, S. K., Boegeholz, J., Schroers-Martin, J., Esfahani, M., Mutter, J. A., Garofalo, A., Jun, S., Hamilton, et al  
AMER SOC HEMATOLOGY.2023
- **Genomic, Transcriptional, and Immunological Validation of Distinct Molecular Subtypes of Classic Hodgkin Lymphoma through Tissue-Based and Noninvasive Methods**  
Alig, S. K., Esfahani, M., Garofalo, A., Li, M., Rossi, C., Flerlage, T., Flerlage, J. E., Adams, R., Binkley, M. S., Shukla, N., Jin, M., Olsen, M., Telenius, et al  
AMER SOC HEMATOLOGY.2023
- **Tracing founder mutations in circulating and tissue-resident follicular lymphoma precursors.** *Cancer discovery*  
Schroers-Martin, J. G., Soo, J., Brisou, G., Scherer, F., Kurtz, D. M., Sworder, B. J., Khodadoust, M. S., Jin, M. C., Bru, A., Liu, C. L., Stehr, H., Vineis, P., Natkunam, et al  
2023
- **Investigating and modeling positron emission tomography factors associated with large cell transformation from low-grade lymphomas.** *EJHaem*  
Obeid, J. P., Hiniker, S. M., Schroers-Martin, J., Guo, H. H., No, H. J., Moding, E. J., Advani, R. H., Alizadeh, A. A., Hoppe, R. T., Binkley, M. S.  
2023; 4 (1): 90-99
- **Determinants of resistance to engineered T cell therapies targeting CD19 in large B cell lymphomas.** *Cancer cell*  
Sworder, B. J., Kurtz, D. M., Alig, S. K., Frank, M. J., Shukla, N., Garofalo, A., Macaulay, C. W., Shahrokh Esfahani, M., Olsen, M. N., Hamilton, J., Hosoya, H., Hamilton, M., Spiegel, et al  
2022
- **Viral cfDNA Profiling Reveals Distinct EBV Subtypes and Stratifies Risk in Hodgkin Lymphomas**  
Garofalo, A., Alig, S. K., Schroers-Martin, J., Shyam, R., Olsen, M., Kurtz, D. M., Rossi, C., Schultz, A., Kathuria, K. R., Liu, C., Spina, V., Flerlage, J. E., Castellino, et al  
AMER SOC HEMATOLOGY.2022: 1318-1319
- **Clonal Hematopoiesis Driven By Recurrent Somatic Mutations but Not with Recurrent Copy Number Alterations Is Associated with Inferior Outcomes in DLBCL after Induction Chemotherapy, but Not CAR19 Therapy**  
Boegeholz, J., Alig, S. K., Sworder, B., Schroers-Martin, J., Macaulay, C., Craig, A. M., Duehrsen, U., Huettmann, A., Westin, J., Cherng, H. J., Miklos, D. B., Frank, M. J., Diehn, et al  
AMER SOC HEMATOLOGY.2022: 8609-8610
- **Accurate Detection of Clinically Actionable Copy Number Variants in Diverse Hematological Neoplasms By Routine Targeted Sequencing: A Comparative Performance Study**  
Mosquera, A., Hosoya, H., Jin, M. C., Esfahani, M., Schroers-Martin, J., Sworder, B., Liu, C., Spiteri, E., Natkunam, Y., Zehnder, J. L., Stehr, H., Kurtz, D. M., Alizadeh, et al  
AMER SOC HEMATOLOGY.2022: 10712-10713
- **Higher Rates of Severe Infection and Persistent Cytopenias in Long-Term CAR19 Responders Than after Autologous HCT: A Single Institution Study of 139 Subjects**  
Hamilton, M. P., Liu-Fei, F. C., Alig, S. K., Tamaresis, J., Esfahani, M., Good, Z., Sworder, B., Schroers-Martin, J., Liu, C., Severinsen, F., Hanson, P. J., Lu, Y., Lowsky, et al  
AMER SOC HEMATOLOGY.2022: 7545-7547
- **Determinants of Resistance to Engineered T-Cell Therapies Targeting CD19 in Large B-Cell Lymphomas**  
Sworder, B., Kurtz, D. M., Alig, S. K., Frank, M. J., Shukla, N. D., Garofalo, A., Macaulay, C., Esfahani, M., Olsen, M., Hamilton, J., Hosoya, H., Hamilton, M. P., Spiegel, et al  
AMER SOC HEMATOLOGY.2022: 1301-1303
- **Specificity & Precision of Minimal Residual Disease Monitoring in DLBCL Using Ig-HTS**  
Shukla, N. D., Schroers-Martin, J., Kathuria, K. R., Sworder, B., Alig, S. K., Frank, M. J., Miklos, D. B., Coutre, S., Diehn, M., Khodadoust, M. S., Roschewski, M., Kurtz, D. M., Alizadeh, et al  
AMER SOC HEMATOLOGY.2022: 6403-6404
- **Tumor Microenvironment Determinants of Immunotherapy Response Identified By Integrated Host & Viral Analysis of Post-Transplant Lymphoproliferative Disorders**  
Schroers-Martin, J., Garofalo, A., Soo, J., Boegeholz, J., Alig, S. K., Sworder, B., Liu, C., Luikart, H., Gamino, G., Morales, D., Freystaetter, K., Hamilton, J., Kurtz, et al

AMER SOC HEMATOLOGY.2022

- **Distinct Molecular Subtypes of Classic Hodgkin Lymphoma Identified By Comprehensive Noninvasive Profiling**  
Alig, S. K., Esfahani, M., Li, M. Y., Adams, R., Garofalo, A., Jin, M. C., Olsen, M., Telenius, A., Sworder, B., Schroers-Martin, J., King, D. A., Rossi, C., Schultz, et al  
AMER SOC HEMATOLOGY.2022: 1295-1296
- **Molecular Monitoring of Lymphomas.** *Annual review of pathology*  
Schroers-Martin, J. G., Alig, S., Garofalo, A., Tessoulin, B., Sugio, T., Alizadeh, A. A.  
2022
- **Cellular and humoral immune response to SARS-CoV-2 vaccination and booster dose in immunosuppressed patients: An observational cohort study.** *Journal of clinical virology : the official publication of the Pan American Society for Clinical Virology*  
Yang, L. M., Costales, C., Ramanathan, M., Bulterys, P. L., Murugesan, K., Schroers-Martin, J., Alizadeh, A. A., Boyd, S. D., Brown, J. M., Nadeau, K. C., Nadimpalli, S. S., Wang, A. X., Busque, et al  
2022; 153: 105217
- **Inferring gene expression from cell-free DNA fragmentation profiles.** *Nature biotechnology*  
Esfahani, M. S., Hamilton, E. G., Mehrmohamadi, M., Nabet, B. Y., Alig, S. K., King, D. A., Steen, C. B., Macaulay, C. W., Schultz, A., Nesselbush, M. C., Soo, J., Schroers-Martin, J. G., Chen, et al  
2022
- **CD20-Targeted Therapy Ablates De Novo Antibody Response to Vaccination but Spares Pre-Established Immunity.** *Blood cancer discovery*  
Shree, T., Shankar, V., Lohmeyer, J. J., Czerwinski, D. K., Schroers-Martin, J. G., Rodriguez, G. M., Beygi, S., Kanegai, A. M., Corbelli, K. S., Gabriel, E., Kurtz, D. M., Khodadoust, M. S., Gupta, et al  
2022
- **Time Since Last Anti-CD20 Treatment Is a Major Determinant of Sars-Cov-2 Vaccine Response in a Large Cohort of Patients with B-Cell Lymphoma**  
Shree, T., Shankar, V., Czerwinski, D. K., Rodriguez, G., Beygi, S., Schroers-Martin, J. G., Advani, R., Maeda, L. S., Gupta, N. K., Khodadoust, M. S., Kurtz, D. M., Corbelli, K. S., Gabriel, et al  
AMER SOC HEMATOLOGY.2021
- **Enhanced detection of minimal residual disease by targeted sequencing of phased variants in circulating tumor DNA.** *Nature biotechnology*  
Kurtz, D. M., Soo, J., Co Ting Keh, L., Alig, S., Chabon, J. J., Sworder, B. J., Schultz, A., Jin, M. C., Scherer, F., Garofalo, A., Macaulay, C. W., Hamilton, E. G., Chen, et al  
2021
- **Integrating genomic features for non-invasive early lung cancer detection.** *Nature*  
Chabon, J. J., Hamilton, E. G., Kurtz, D. M., Esfahani, M. S., Moding, E. J., Stehr, H., Schroers-Martin, J., Nabet, B. Y., Chen, B., Chaudhuri, A. A., Liu, C. L., Hui, A. B., Jin, et al  
2020; 580 (7802): 245-251
- **Integrating genomic features for non-invasive early lung cancer detection** *NATURE*  
Chabon, J. J., Hamilton, E. G., Kurtz, D. M., Esfahani, M. S., Moding, E. J., Stehr, H., Schroers-Martin, J., Nabet, B. Y., Chen, B., Chaudhuri, A. A., Liu, C., Hui, A. B., Jin, et al  
2020
- **Deep Sequencing of Viral Cell-Free DNA for Noninvasive Detection of Immunosuppression-Related Lymphoid Malignancies**  
Garofalo, A., Schroers-Martin, J. G., Soo, J., Kurtz, D. M., Sworder, B., Liu, C., Pinsky, B. A., Luikart, H., Advani, R. H., Natkunam, Y., Khush, K., Diehn, M., Alizadeh, et al  
AMER SOC HEMATOLOGY.2019
- **Detection and Surveillance of Bladder Cancer Using Urine Tumor DNA** *CANCER DISCOVERY*  
Dudley, J. C., Schroers-Martin, J., Lazzareschi, D., Shi, W., Chen, S. B., Esfahani, M. S., Trivedi, D., Chabon, J. J., Chaudhuri, A. A., Stehr, H., Liu, C., Lim, H., Costa, et al  
2019; 9 (4): 500-509
- **Circulating tumor DNA analysis for detection of minimal residual disease after chemoradiotherapy for localized esophageal cancer.** *Gastroenterology*  
Azad, T. D., Chaudhuri, A. A., Fang, P. n., Qiao, Y. n., Esfahani, M. S., Chabon, J. J., Hamilton, E. G., Yang, Y. D., Lovejoy, A. n., Newman, A. M., Kurtz, D. M., Jin, M. n., Schroers-Martin, et al  
2019

- **Lymphoma Virome Dynamics Revealed By Cell-Free DNA Sequencing**  
Schroers-Martin, J. G., Garofalo, A., Soo, J., Jin, M. C., Kurtz, D. M., Buedts, L., Duehrsen, U., Huettmann, A., Cottreau, A., Meignan, M., Casasnovas, O., Westin, J. R., Gaidano, et al  
AMER SOC HEMATOLOGY.2018
- **Noninvasive Genotyping and Monitoring of Classical Hodgkin Lymphoma**  
Jin, M. C., Schroers-Martin, J. G., Kurtz, D. M., Buedts, L., Esfahani, M. S., Macaulay, C., Swarder, B., Soo, J., Glover, C., Roschewski, M., Wilson, W. H., Duhrsen, U., Huettmann, et al  
AMER SOC HEMATOLOGY.2018
- **Distinct Chromatin Accessibility Profiles of Lymphoma Subtypes Revealed By Targeted Cell Free DNA Profiling**  
Mehrmohamadi, M., Esfahani, M. S., Soo, J., Scherer, F., Schroers-Martin, J. G., Chen, B., Kurtz, D. M., Hamilton, E., Liu, C., Diehn, M., Alizadeh, A. A.  
AMER SOC HEMATOLOGY.2018
- **Early detection of post-transplant lymphoproliferative disorder using circulating tumor DNA.**  
Soo, J., Schroers-Martin, J., Garofalo, A., Kurtz, D., D'Emilio, N., Grimm, D.  
AMER SOC CLINICAL ONCOLOGY.2018
- **Post-transplant head and neck cancers: A prospective analysis of clinical factors for risk stratification.**  
Soo, J., Schroers-Martin, J., Garofalo, A., Kurtz, D., D'Emilio, N., Grimm, D.  
AMER SOC CLINICAL ONCOLOGY.2018
- **Detection and surveillance of bladder cancer using urine tumor DNA.** *Cancer discovery*  
Dudley, J. C., Schroers-Martin, J. n., Lazzareschi, D. V., Shi, W. Y., Chen, S. B., Esfahani, M. S., Trivedi, D. n., Chabon, J. J., Chaudhuri, A. A., Stehr, H. n., Liu, C. L., Lim, H. n., Costa, et al  
2018
- **Noninvasive detection of clinically relevant copy number alterations in diffuse large B-cell lymphoma.**  
Jin, M. C., Kurtz, D., Esfahani, M., Scherer, F., Craig, A. M., Soo, J., Khodadoust, M., Saganty, R., Chabon, J. J., Schroers-Martin, J., Stehr, H., Advani, R. H., Rossi, et al  
AMER SOC CLINICAL ONCOLOGY.2017
- **Circulating tumor DNA analysis for outcome prediction in localized esophageal cancer.**  
Azad, T. D., Chaudhuri, A., Newman, A. M., Stehr, H., Schroers-Martin, J., Chabon, J. J., Fang, P., Qiao, Y., Liao, Z. X., Komaki, R., Alizadeh, A. A., Lin, S. H., Diehn, et al  
AMER SOC CLINICAL ONCOLOGY.2017