



Sebastian Fernandez-Pol

Clinical Associate Professor, Pathology

CLINICAL OFFICE (PRIMARY)

- **Department of Pathology**

300 Pasteur Dr H2110

MC 5324

Stanford, CA 94305

Tel (650) 723-7211 **Fax** (650) 736-1473

Bio

BIO

Dr. Sebastian Fernandez-Pol is an academic hematopathologist with fellowship training in hematopathology and dermatopathology. He has a particular interest in improving diagnostic accuracy for cutaneous lymphoproliferative disorders. Dr. Fernandez-Pol received his B.A. in chemistry with a concentration in biochemistry from the Washington University in St. Louis in 2003, his MD and PhD from Northwestern University in 2013, and completed his anatomic pathology and clinical pathology residency, hematopathology fellowship, and dermatopathology fellowship at Stanford University in 2019.

CLINICAL FOCUS

- Hematopathology
- Anatomic and Clinical Pathology
- Dermatopathology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pathology

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Hematopathology Fellowship (2018) CA
- Fellowship: Stanford University Dermatopathology Fellowship (2019) CA
- Board Certification: Dermatopathology, American Board of Pathology (2019)
- Fellowship, Stanford University Hematopathology Fellowship , CA (2018)
- Board Certification: Hematopathology, American Board of Pathology (2018)
- Board Certification: Anatomic and Clinical Pathology, American Board of Pathology (2017)
- Residency: Stanford University Pathology Residency (2017) CA
- Medical Education: Northwestern University Feinberg School of Medicine (2013) IL

Publications

PUBLICATIONS

- **A Bloody Mimic of Crohn's Disease: Primary Intestinal EBV-Positive NK/T-Cell Lymphoma.** *Digestive diseases and sciences*
Iacobucci, A., Norman, J., Ennin, E., Fernandez-Pol, S., Triadafilopoulos, G., Barber, G.
2026
- **Clinicopathologic and Molecular Characteristics of Merkel Cell Polyomavirus Positive T-Cell Lymphoproliferative Disorders.** *The American journal of surgical pathology*
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2026; 50 (5): 481-500
- **Immunohistochemical Expression of p63 and GATA3 in Lymphomas of the Urinary Bladder: A Clinicopathologic Study of a Potential Diagnostic Pitfall** *INTERNATIONAL JOURNAL OF SURGICAL PATHOLOGY*
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- **Dynamics of BCMA expression in patients with relapsed/refractory multiple myeloma receiving BCMA-directed CAR-T therapy.** *Blood cancer journal*
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- **Clinicopathologic and Molecular Characteristics of Merkel Cell Polyomavirus Positive T-cell Lymphoproliferative Disorders**
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- **Leveraging AI to Streamline Hematopathology Call Tracking: Quality Improvement Implications at a Single Institution**
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ELSEVIER SCIENCE INC.2026
- **Morphologic findings and mutational profiles of myelodysplastic neoplasms with normal versus abnormal karyotype.** *Journal of hematopathology*
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- **Immunohistochemistry New Instrument Validations: Why Your Validation Plan Matters.** *Applied immunohistochemistry & molecular morphology : AIMM*
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- **Long-term Follow-up of Gastrointestinal CAR T-cell Lymphoma: Homing, Clonal Expansion, and Response to Cyclosporine.** *Blood*
Hosoya, H., Bastidas Torres, A. N., Fernandez-Pol, S., Gubatan, J. M., Najidh, S., Duran, G. E., Dong, F., Ehlinger, Z., Lohman, C., Wright, C., Sahaf, B., Mackall, C. L., Miklos, et al
2025
- **Fatal Recurrence of IEC-HS Following Autologous Stem Cell Boost in Patients Receiving BCMA CAR-T Cell Therapy.** *Blood advances*
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- **A case of acid sphingomyelinase deficiency type B with prominent histiocytes with engulfed nucleated cells and compound heterozygosity.** *Journal of hematopathology*
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2024
- **Site-discordant expression of myeloid cell nuclear differentiation antigen in blastic plasmacytoid dendritic cell neoplasm.** *American journal of clinical pathology*
Bulterys, P. L., Saleem, A., Brown, R. A., Novoa, R. A., Rieger, K. E., Natkunam, Y., Fernandez-Pol, S.
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- **Quantification of the median fluorescence intensity of CD3 and CD4 in mycosis fungoides/Sezary syndrome versus non-neoplastic control cases in peripheral blood.** *Journal of hematopathology*
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- **Targeted mutational profiling of Epstein Barr virus-positive mucocutaneous ulcer: Implications for differential diagnosis with EBV-positive diffuse large B-cell lymphoma.** *Annals of diagnostic pathology*
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- **Prevalence and clinicopathological features of incidentally detected TRBC1-dim populations in peripheral blood flow cytometry.** *Leukemia & lymphoma*

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 - **The Histopathologic Features of Early COVID Pneumonia in a Pediatric Patient: New Insight into the Role of Macrophages** *INTERNATIONAL JOURNAL OF SURGICAL PATHOLOGY*
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 - **B-lymphoblastic leukemia with transient spontaneous remission in the setting of severe group A streptococcus infection.** *Journal of hematopathology*
Gilbert, A., Tan, J., Nadimpalli, S., Orkusyan, R., Fernandez, Z. I., Oak, J., Fernandez-Pol, S.
2023; 16 (4): 223-226
 - **Lupus erythematosus cells in a bone marrow aspirate.** *Journal of hematopathology*
Zhang, J., Tan, B., Fernandez-Pol, S.
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 - **Two cases of mycosis fungoides with large cell transformation with KMT2A rearrangements.** *Journal of hematopathology*
Wadsworth, P. A., Lawrence, L., Suarez, C. J., Saleem, A., Khodadoust, M. S., Kim, Y. H., Rieger, K. E., Fernandez-Pol, S.
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 - **Two cases of mycosis fungoides with large cell transformation with KMT2A rearrangements** *JOURNAL OF HEMATOPATHOLOGY*
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ELSEVIER SCI LTD.2023: S14
- **SATB2 expression in hematolymphoid neoplasms.** *Journal of hematopathology*
Tiu, G. C., Natkunam, Y., Fernandez-Pol, S.
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- **Isolated Sixth Nerve Palsies in a Child With Familial Hemophagocytic Lymphohistiocytosis Type 2.** *Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society*
Chiang, H. H., Fernandez-Pol, S., Bae, G. H., Rieger, K. E., Dahmouh, H. M., Beres, S. J.
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- **TRBC1 enables identification of an otherwise immunophenotypically silent case of angioimmunoblastic T-cell lymphoma.** *Journal of hematopathology*
Zhang, J., Fernandez-Pol, S.
2023; 16 (1): 59-61
- **TRBC1 enables identification of an otherwise immunophenotypically silent case of angioimmunoblastic T-cell lymphoma** *JOURNAL OF HEMATOPATHOLOGY*
Zhang, J., Fernandez-Pol, S.
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- **Comparison of two immunohistochemical staining protocols for ALK demonstrates non-inferiority of a 5A4 clone-based protocol versus an ALK01 clone-based protocol for the diagnosis of ALK plus anaplastic large cell lymphoma** *JOURNAL OF HEMATOPATHOLOGY*
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JMLR-JOURNAL MACHINE LEARNING RESEARCH.2023: 528-558
- **Clinical Characteristics, Treatment Patterns, and Outcomes of Cytotoxic Cutaneous T-Cell Lymphomas**

- Mou, E., Fernandez-Pol, S., Li, S., Kim, Y. H., Khodadoust, M. S.
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- **Characterization of Clinical, Molecular, and Prognostic Features of the WHO 2022 Classification System for Myelodysplastic Neoplasms (MDS)**
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AMER SOC HEMATOLOGY.2022: 6955-6957
 - **Correlation of Mutational Profiles and Cytogenetics with Morphologic Dysplasia in Myelodysplastic Syndromes**
Kumar, J., Khanna, V., Lu, R., Stehr, H., Spinner, M. A., Silva, O., Fernandez-Pol, S., Oak, J. S., Greenberg, P. L., Tan, B.
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 - **Digital Image Analysis and Quantitative Bead Standards in Root Cause Analysis of Immunohistochemical Staining Variability: A Real-world Example.** *Applied immunohistochemistry & molecular morphology : AIIMM*
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 - **Identification of "ER Low Positive" Breast Cancers Is Associated with Immunohistochemical Assay Conditions in CAP Proficiency Testing PM2 Survey**
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 - **Molecular Characterization of Chronic Lymphocytic Leukemia with Progression to Classic Hodgkin Lymphoma**
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 - **Expression of CD47 Protein in Hematolymphoid Neoplasms: Implications for CD47-Mediated Cancer Immunotherapy**
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ELSEVIER SCI LTD.2021: S8

- **Angioimmunoblastic T-cell lymphoma diagnosed from pleural fluid by integration of morphologic, immunophenotypic, and molecular findings.** *Diagnostic cytopathology*
Tan, B., Martin, B., Fernandez-Pol, S.
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Vrabac, D., Smit, A., Rojansky, R., Natkunam, Y., Advani, R. H., Ng, A. Y., Fernandez-Pol, S., Rajpurkar, P.
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- **Radiation Therapy for Primary Cutaneous Gamma Delta Lymphoma Prior to Stem Cell Transplantation.** *Cancer investigation*
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- **Two Cases of Mycosis Fungoides With PCM1-JAK2 Fusion** *JCO PRECISION ONCOLOGY*
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- **A Method for Assessing Performance of Automated Immunohistochemical Staining Platforms Using Digital Image Analysis**
Rojansky, R., Fernandez-Pol, S., Gomulia, E., Natkunam, Y., Troxell, M.
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- **GloFlow: Whole Slide Image Stitching from Video Using Optical Flow and Global Image Alignment**
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- **A novel activating JAK1 mutation in chronic eosinophilic leukemia.** *Blood advances*
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Tsai, A. G., Glass, D. R., Juntilla, M. n., Hartmann, F. J., Oak, J. S., Fernandez-Pol, S. n., Ohgami, R. S., Bendall, S. C.
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