



Katja Gabriele Weinacht, MD, PhD

Assistant Professor of Pediatrics (Stem Cell Transplantation and Regenerative Medicine)

Pediatrics - Stem Cell Transplantation

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

• Administrative Assistant

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Bio

CLINICAL FOCUS

- Pediatric Hematology-Oncology
- Pediatric Stem Cell Transplantation, Genetic Immune Defects

ACADEMIC APPOINTMENTS

- Assistant Professor, Pediatrics - Stem Cell Transplantation
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Attending Physician, Pediatric SCTRM Stanford School of Medicine, (2016- present)
- Assistant Professor, Pediatrics Stanford School of Medicine, (2012-2016)

HONORS AND AWARDS

- Uytensu-Hamilton Faculty Scholar Award, Stanford Maternal & Child Health Research Institute (2019-Endowed)
- California Institute of Regenerative Medicine Discovery 2 Award, CIRM (2019-2020)
- Baxter Faculty Scholar, Stanford Medicine (2017-2018)
- Mentored Clinical Scientist Research Career Development Award (K08), NIAID (2016-21)
- Research Fellowship Award, Charles King Trust (2013-15)
- Amy-Potter Research Fellowship Award, Boston Children's Hospital, Harvard Medical School (2013-14)
- Research Fellowship Award, Primary Immunodeficiency Treatment Consortium (2013-14)
- Amy-Potter Research Fellowship Award, Boston Children's Hospital, Harvard Medical School (2012-13)
- Dan Heller Teaching Award, Harvard Medical School (2009)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, 22q11.2 Society (2017 - present)
- Member, International Society of Stem Cell Research (ISSCR) (2014 - present)
- Member, Primary Immunodeficiency Treatment Consortium (PIDTC) (2012 - present)
- Member, American Society of Pediatric Hematology/Oncology (ASPHO) (2009 - present)
- Member, Children's Oncology Group (COG) (2009 - present)
- Associate Member, American Society of Hematology (ASH) (2009 - present)

PROFESSIONAL EDUCATION

- Medical Education: Technical University of Munich School of Medicine and Health (2002) Germany
- Fellowship: Boston Children's Hospital Pediatric Hematology and Oncology Fellowship (2012) MA
- Residency: Mass General Hospital for Children Pediatric Residency (2009) MA
- Board Certification, American Board of Pediatric Hematology-Oncology , 2013
- Board Certification, American Board of Pediatrics , 2009
- Research Fellowship, Pediatric Immunology, Laboratory Dr. Luigi D. Notarangelo, Boston Children's Hospital, Harvard Medical School, Boston, MA , 2010-2012
- Clinical Fellowship, Pediatric Hematology/Oncology, Boston Children's Hospital, Dana-Farber Cancer Institute, Harvard Medical School, Boston, MA , 2009-2012
- Residency, Pediatrics, Massachusetts General Hospital, Harvard Medical School, Boston, MA , 2006-2009
- Postdoctoral Fellow, Channing Laboratory, Brigham and Women's Hospital, Harvard Medical School, Boston, MA , 2005-2006
- PhD (Medicine), Technische Universitaet Muenchen, School of Medicine, Munich, Germany , 2004
- MD, Technische Universitaet Muenchen, School of Medicine, Munich, Germany , 2002

PATENTS

- Comstock LE, Coyne MJ, Weinacht KG, Kasper DL, Tzianabos AO. "United States Patent 10/388,390 Method of Overexpression of Zwitterionic Polysaccharides", Brigham and Women's Hospital, Mar 13, 2003

LINKS

- Weinacht lab web site: <https://med.stanford.edu/weinachtlaboratory.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am a pediatric hematologist-oncologist with special interest in the niche of diseases that intersect immune dysfunction, primary immunodeficiency and bone marrow failure. My clinical practice focuses on pediatric patients requiring a hematopoietic stem cell transplantation, patients with DiGeorge Syndrome and patients with genetic immune diseases presenting with autoimmunity. As a physician-scientist, I strive to advance our insights into the mechanisms leading to immunodeficiency, autoimmunity and tolerance on a molecular level and to translate our research into novel targeted therapies patients.

My work is a natural extension of my clinical training in pediatric hematology-oncology combined with my scientific background in immunology and microbiology. After completing my clinical training at Boston Children's Hospital/Dana-Farber Cancer Institute, I joined the laboratory of Luigi D. Notarangelo in the division of immunology, Boston Children's Hospital/Harvard Stem Cell Institute, where I have acquired skills in the field of reprogramming, tissue engineering and gene correction. In my laboratory, we now use iPSC-based disease models to study how defects in

mitochondrial metabolism and oxidative stress affect hematopoietic stem and progenitor cell development and cell death with the goal of identifying therapeutic targets. A separate focus of my laboratory is devoted to understanding the thymic developmental defects in DiGeorge syndrome.

Teaching

COURSES

2025-26

- Translational Immunology: IMMUNOL 209 (Spr)

2024-25

- Translational Immunology: IMMUNOL 209 (Spr)

2023-24

- Translational Immunology: IMMUNOL 209 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Preksha Bhagchandani, Humza Khan

Postdoctoral Faculty Sponsor

Zihao Zheng

Doctoral Dissertation Advisor (AC)

Yujin Moon

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (Phd Program)
- Immunology/Rheumatology (Fellowship Program)
- Medicine (Masters Program)
- Microbiology and Immunology (Phd Program)
- Molecular and Cellular Physiology (Phd Program)
- Pediatric Hem/Onc (Fellowship Program)
- Stem Cell Biology and Regenerative Medicine (Phd Program)

Publications

PUBLICATIONS

- **Thymus regeneration therapies: entering a new era.** *Trends in molecular medicine*
Kreins, A. Y., Weinacht, K. G.
2026
- **Spatial cartography of human thymus enables the geopositioning of lineage transcription factors in rare mimetic thymic epithelial cells.** *Nature communications*
Kamaraj, U. S., Chen, Y., Lei, J., Gautam, P., Horcharoensuk, P., Clemente, C. K., Weinacht, K. G., Gascoigne, N. R., Chen, J., Chen, C. K., Chen, Q., Li, Q. J., Ng, et al
2026
- **Genetic testing guides therapy in children with refractory cytopenias.** *Haematologica*
Gernez, Y., Sathi, B., Rao, L., Hernandez, J. D., Glader, B., Cepika, A., Hoyte, E. G., Mouradian, K., Singh, D., Bacchetta, R., Chien, M., Lewis, D. B., Weinacht, et al

2026

- **Hematopoietic Cell Transplantation for Wiskott-Aldrich syndrome: A PIDTC Report.** *Blood advances*
Alexander, J. L., Dávila Saldaña, B. J., Brazauskas, R., Dammalapati, S. G., Griffith, L. M., Shah, A. J., Shimano, K. A., Ochs, H. D., Blessing, J., Ebens, C. L., Kapadia, M., Bauchat, A., Kapoor, et al
2025
- **Distinct type I and II interferon responses direct cortical and medullary thymic epithelial cell development.** *Science immunology*
Mohammed, A., Wang, W., Arreola, M., Solomon, B. D., Slepicka, P. F., Hubka, K. M., Nguyen, H. D., Zheng, Z., Chavez, M. G., Yeh, C. Y., Kim, D. K., Ma, M. R., Martin, et al
2025; 10 (107): eado4720
- **Reticular Dysgenesis-Associated Adenylate Kinase 2 Deficiency Has Opposing Metabolic Consequences on Granulopoiesis and Lymphopoiesis**
Wang, W., Arreola, M., Mohammed, A., Weinacht, K. G.
ELSEVIER.2024: 1276
- **Failure of metabolic checkpoint control during late-stage granulopoiesis drives neutropenia in reticular dysgenesis.** *Blood*
Wang, W., Arreola, M., Mathews, T., DeVilbiss, A. W., Zhao, Z., Martin-Sandoval, M., Mohammed, A., Benegiamo, G., Awani, A., Goeminne, L. J., Dever, D. P., Nakauchi, Y., Porteus, et al
2024
- **Transcriptional and epigenetic characterization of a new in vitro platform to model the formation of human pharyngeal endoderm.** *Genome biology*
Cipriano, A., Colantoni, A., Calicchio, A., Fiorentino, J., Gomes, D., Moqri, M., Parker, A., Rasouli, S., Caldwell, M., Briganti, F., Roncarolo, M. G., Baldini, A., Weinacht, et al
2024; 25 (1): 211
- **Human Immune repertoire and gene expression in pediatric and adult SARS-CoV2 infected patients using single cell multi-omics approaches**
Ji, X., Yonker, L., Miranda, M., Kinane, T., Chang, M., Suresh, S., Kiany, S., Weinacht, K., Maecker, H.
AMER ASSOC IMMUNOLOGISTS.2024
- **A multidisciplinary approach to unraveling genetic forms of immune dysregulation in children with refractory multilineage cytopenia**
Germez, Y., Sathi, B., Camacho, J., Rao, L., Glader, B., Singh, D., Hoyte, E., Lewis, D., Roncarolo, M., Chien, M., Bacchetta, R., Weinacht, K.
MOSBY-ELSEVIER.2024: AB186
- **The rise of haplo: a quest for the perfect graft.** *Blood*
Weinacht, K. G.
2024; 143 (3): 193-195
- **Accelerating Immune Reconstitution in HSCT Patients through iPSC-Derived Thymic Epithelial Cells**
Mohammed, A., Hanh Dan Nguyen, Hubka, K., Wang, W., Slepicka, P., Solomon, B., Arreola, M., Zheng, Z., Gentles, A., Weinacht, K. G.
AMER SOC HEMATOLOGY.2023
- **Loss of Metabolic Control Beyond the Promyelocyte Stage Resolves Myeloid Maturation Arrest in Reticular Dysgenesis**
Wang, W., Arreola, M., Mathews, T., DeVilbiss, A., Zhao, Z., Morrison, S., Weinacht, K. G.
AMER SOC HEMATOLOGY.2023
- **Precision Delivery of Steroids as a Rescue Therapy for Gastrointestinal Graft-versus-Host Disease in Pediatric Stem Cell Transplant Recipients.** *Journal of clinical medicine*
Levitte, S., Ganguly, A., Frolik, S., Guevara-Tique, A. A., Patel, S., Tadas, A., Klein, O., Shyr, D., Agarwal-Hashmi, R., Beach, L., Callard, E., Weinacht, K., Bertaina, et al
2023; 12 (13)
- **Case report: Refractory Evans syndrome in two patients with spondyloenchondrodysplasia with immune dysregulation treated successfully with JAK1/JAK2 inhibition.** *Frontiers in immunology*
Germez, Y., Narula, M., Cepika, A., Valdes Camacho, J., Hoyte, E. G., Mouradian, K., Glader, B., Singh, D., Sathi, B., Rao, L., Tolin, A. L., Weinberg, K. I., Lewis, et al
2023; 14: 1328005

- **Precision Delivery of Steroids as a Rescue Therapy for Gastrointestinal Graft-versus-Host Disease in Pediatric Stem Cell Transplant Recipients** *Journal of Clinical Medicine*
Levitte, s., Ganguly, A., Frolik, S., Guevara-Tique, A., et al
2023; 12 (4229)
- **Human JAK1 gain of function causes dysregulated myelopoiesis and severe allergic inflammation.** *JCI insight*
Biggs, C. M., Cordeiro-Santanach, A., Prykhodzhiy, S. V., Deveau, A. P., Lin, Y., Del Bel, K. L., Orben, F., Ragotte, R. J., Saferali, A., Mostafavi, S., Dinh, L., Dai, D., Weinacht, et al
2022; 7 (24)
- **Functional Human iPSC-Derived Thymic Epithelial Progenitor Cells Reconstitute T Cell Development and Function in an In Vivo Model of Thymic Aplasia**
Slepicka, P., Hubka, K. M., Hanh Dan Nguyen, Mohammed, A., Wang, J., Gifford, C., Sebastiano, V., Weinacht, K. G.
AMER SOC HEMATOLOGY.2022: 7340-7341
- **Epigenetic and Immunological Indicators of IPEX Disease in subjects with FOXP3 gene mutation.** *The Journal of allergy and clinical immunology*
Narula, M., Lakshmanan, U., Borna, S., Schulze, J. J., Holmes, T. H., Harre, N., Kirkey, M., Ramachandran, A., Tagi, V. M., Barzaghi, F., Grunebaum, E., Upton, J. E., Hong-Diep Kim, et al
2022
- **A case of Spondyloenchondrodysplasia with immune dysregulation presenting as Systemic Lupus Erythematosus**
Camacho, J., Singh, D., Bacchetta, R., Weinberg, K., Cepika, A., Narula, M., Lewis, D. B., Gernez, Y., Weinacht, K.
SPRINGER/PLENUM PUBLISHERS.2021: S18–S19
- **A challenging case of recurrent idiopathic hemophagocytic lymphohistiocytosis (HLH) initially presenting in an infant with Pneumocystis jirovecii pneumonia**
Solomon, B., Balagtas, J., Chien, M., Pooni, R., Balboni, I., Weinacht, K., Gernez, Y.
SPRINGER/PLENUM PUBLISHERS.2021: S55
- **Correction: Chronic Granulomatous Disease-Associated IBD Resolves and Does Not Adversely Impact Survival Following Allogeneic HCT.** *Journal of clinical immunology*
Marsh, R. A., Leiding, J. W., Logan, B. R., Griffith, L. M., Arnold, D. E., Haddad, E., Falcone, E. L., Yin, Z., Patel, K., Arbuckle, E., Bleesing, J. J., Sullivan, K. E., Heimall, et al
2020
- **Insight into the Pediatric and Adult Dichotomy of COVID-19: Age-Related Differences in the Immune Response to SARS-CoV-2 infection.** *Pediatric pulmonology*
Fialkowski, A., Gernez, Y., Arya, P., Weinacht, K. G., Bernard Kinane, T., Yonker, L. M.
2020
- **Artificial thymic organoids represent a reliable tool to study T-cell differentiation in patients with severe T-cell lymphopenia.** *Blood advances*
Bosticardo, M., Pala, F., Calzoni, E., Delmonte, O. M., Dobbs, K., Gardner, C. L., Sacchetti, N., Kawai, T., Garabedian, E. K., Draper, D., Bergerson, J. R., DeRavin, S. S., Freeman, et al
2020; 4 (12): 2611–16
- **Excellent Outcomes Following Hematopoietic Cell Transplantation for Wiskott-Aldrich Syndrome: A PIDTC Report.** *Blood*
Burroughs, L., Petrovic, A., Brazauskas, R., Liu, X., Griffith, L. M., Ochs, H. D., Bleesing, J., Edwards, S., Dvorak, C. C., Chaudhury, S., Prockop, S., Quinones, R., Goldman, et al
2020
- **Autosomal Dominant JAK1 Gain-Of-Function Mutation Drives Myelopoiesis and Dysregulated T Helper Responses Leading To Severe Allergic Inflammation That Is Clinically Responsive To Ruxolitinib**
Biggs, C., Lin, E., Del Bel, K. L., Orben, F., Ragotte, R., Saferali, A., Mostafavi, S., Weinacht, K., de Bruin, L., Sharma, M., Shopsowitz, K., McKinnon, M. L., Vercauteren, et al
SPRINGER/PLENUM PUBLISHERS.2020: S120
- **A Case of G6PC3 Congenital Neutropenia, Misdiagnosed As Evans Syndrome**
Camacho, J., Brar, R., Chapman, C., Fernandez-Pol, S., Weinacht, K., Gernez, Y.
SPRINGER/PLENUM PUBLISHERS.2020: S131–S132

- **Hematopoietic Cell Transplantation in Patients With Primary Immune Regulatory Disorders (PIRD): A Primary Immune Deficiency Treatment Consortium (PIDTC) Survey.** *Frontiers in immunology*
Chan, A. Y., Leiding, J. W., Liu, X., Logan, B. R., Burroughs, L. M., Allenspach, E. J., Skoda-Smith, S., Uzel, G., Notarangelo, L. D., Slatter, M., Gennery, A. R., Smith, A. R., Pai, et al
2020; 11: 239
- **Adenylate Kinase 2 Links Energy Metabolism and Cell Fate in Hematopoietic Stem and Progenitor Cells**
Wang, W., Awani, A., Devibiss, A., Mathews, T., Thomas, D., Dever, D. P., Porteus, M., Morrison, S., Weinacht, K. G.
AMER SOC HEMATOLOGY.2019
- **Chronic Granulomatous Disease-Associated IBD Resolves and Does Not Adversely Impact Survival Following Allogeneic HCT.** *Journal of clinical immunology*
Marsh, R. A., Leiding, J. W., Logan, B. R., Griffith, L. M., Arnold, D. E., Haddad, E., Falcone, E. L., Yin, Z., Patel, K., Arbuckle, E., Bleesing, J. J., Sullivan, K. E., Heimall, et al
2019
- **Severe autoinflammation in four patients with C-terminal variants in CDC42 successfully treated with IL-1beta inhibition.** *The Journal of allergy and clinical immunology*
Gernez, Y., de Jesus, A. A., Alsaleem, H., Macaubas, C., Roy, A., Lovell, D., Jagadeesh, K. A., Alehashemi, S., Erdman, L., Grimley, M., Talarico, S., Bacchetta, R., Lewis, et al
2019
- **Combined liver and hematopoietic stem cell transplantation in patients with X-linked hyper-IgM syndrome** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Buccioli, G., Nicholas, S. K., Calvo, P., Cant, A., Edgar, J. M., Espanol, T., Ferrua, F., Galicchio, M., Gennery, A. R., Hadzic, N., Hanson, I., Kusminsky, G., Lange, et al
2019; 143 (5): 1952-+
- **Calm in the midst of cytokine storm: a collaborative approach to the diagnosis and treatment of hemophagocytic lymphohistiocytosis and macrophage activation syndrome.** *Pediatric rheumatology online journal*
Halyabar, O., Chang, M. H., Schoettler, M. L., Schwartz, M. A., Baris, E. H., Benson, L. A., Biggs, C. M., Gorman, M., Lehmann, L., Lo, M. S., Nigrovic, P. A., Platt, C. D., Priebe, et al
2019; 17 (1): 7
- **Epigenetic Immune Cell Quantification for Diagnosis and Monitoring of Patients with Primary Immune Deficiencies and Immune Regulatory Disorders**
Schulze, J., Werner, J., Schildknecht, K., Lakshmanan, U., Gruetzkau, A., Chu, J., Gernez, Y., Speckmann, C., Weinacht, K. G., Bertaina, A., Baron, U., Borte, S., Olek, et al
SPRINGER/PLENUM PUBLISHERS.2019: S30
- **Novel CDC42 Mutation Causes Severe Autoinflammatory Syndrome Responsive to IL-1 Inhibition**
Gernez, Y., Kirbey, M., Balagas, J. M., Macaubas, C. I., Canna, S., Lewis, D. B., Mellins, E., Bacchetta, R., Weinacht, K. G.
SPRINGER/PLENUM PUBLISHERS.2019: S69
- **Artificial Thymic Organoids Represent a Reliable and Quick Tool to Study T Cell Differentiation in Human Bone Marrow Samples from Patients with Severe T Cell Immunodeficiency**
Bosticardo, M., Pala, F., Calzoni, E., Gardner, C., Dobbs, K., De Ravin, S., Hartog, N., Markert, M., Weinacht, K. G., Malech, H. L., Seet, C., Montel-Hagen, A., Crooks, et al
SPRINGER/PLENUM PUBLISHERS.2019: S51–S52
- **Combined liver and hematopoietic stem cell transplantation in X-linked hyper IgM syndrome.** *The Journal of allergy and clinical immunology*
Buccioli, G., Nicholas, S. K., Calvo, P. L., Cant, A., Edgar, J. D., Espanol, T., Ferrua, F., Galicchio, M., Gennery, A. R., Hadzic, N., Hanson, I. C., Kusminsky, G., Lange, et al
2019
- **Engineering Regenerative Thymic Tissues to Restore Long-Term T Cell Lymphopoiesis**
Gai, H., Gras-Pena, R., Verma, Y., Fateh, V., Ikeda, K., Dejene, B., Min, D., Wang, J., Swigut, T., Weinberg, K. I., Hollander, G. A., Heilshorn, S., Roncarolo, et al
AMER SOC HEMATOLOGY.2018
- **An Engineered Cell-Traceable Model of Reticular Dysgenesis in Human Hematopoietic Stem Cells Linking Metabolism and Differentiation**
Wang, W., Awani, A., Reich, L., Nakauchi, Y., Thomas, D., Dever, D. P., Porteus, M., Weinacht, K. G.

AMER SOC HEMATOLOGY.2018

- **Jakinibs for the treatment of immune dysregulation in patients with gain-of-function signal transducer and activator of transcription 1 (STAT1) or STAT3 mutations.** *The Journal of allergy and clinical immunology*
Forbes, L. R., Vogel, T. P., Cooper, M. A., Castro-Wagner, J., Schussler, E., Weinacht, K. G., Plant, A. S., Su, H. C., Allenspach, E. J., Slatter, M., Abinun, M., Lilic, D., Cunningham-Rundles, et al
2018
- **Recent outcome of hematopoietic cell transplantation for Wiskott-Aldrich syndrome is excellent in all donor types: A Primary Immune Deficiency Treatment Consortium (PIDTC) Study**
Pai, S., Brazauskas, R., Bleesing, J., Dvorak, C. C., Kletzel, M., Petrovic, A., Prockop, S. E., Quinones, R., Goldman, F. D., Quigg, T. C., Hanson, I. C., Stenger, E., Thakar, et al
SPRINGER/PLENUM PUBLISHERS.2018: 399–400
- **Resolution of CGD Related Colitis after Allogeneic Hematopoietic Stem Cell Transplantation in Patients with Chronic Granulomatous Disease-Early Results From the 6903 Study of the Primary Immune Deficiency Treatment Consortium (PIDTC)**
Leiding, J. W., Logan, B. R., Yin, Z., Arbuckle, E., Bleesing, J. J., Sullivan, K. E., Heimall, J., Burroughs, L., Skoda-Smith, S., Chandrakasan, S., Yu, L. C., Oshrine, B. R., Cuvelier, et al
ELSEVIER SCIENCE INC.2018: S53–S54
- **Human Ipsc-Derived Thymic Epithelial Progenitor Cells as Stem Cell-Based Therapy to Restore Thymic Function in Hematopoietic Stem Cell Transplant Recipients**
Gai, H., Sebastiano, V., Weinacht, K. G.
ELSEVIER SCIENCE INC.2018: S364
- **Ruxolitinib reverses Dysregulated T Helper Cell Responses and controls Autoimmunity caused by a Novel STAT1 Gain of Function Mutation** *Journal of Allergy and Clinical Immunology*
Weinacht, K. G., Charbonnier, L. M., Alroqi, F., Plant, A., Qiao, Q., Wu, H., Ma, C., Torgerson, T. R., Rosenweig, S. D., Flesier, T. A., Notarangelo, L. D., Hanson, I. C., Forbes, et al
2017
- **Reticular dysgenesis-associated AK2 protects hematopoietic stem and progenitor cell development from oxidative stress** *JOURNAL OF EXPERIMENTAL MEDICINE*
Rissone, A., Weinacht, K. G., La Marca, G., Bishop, K., Giocaliere, E., Jagadeesh, J., Felgentreff, K., Dobbs, K., Al-Herz, W., Jones, M., Chandrasekharappa, S., Kirby, M., Wincovitch, et al
2015; 212 (8): 1185-1202
- **Diagnosis of immunodeficiency caused by a purine nucleoside phosphorylase defect by using tandem mass spectrometry on dried blood spots** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
La Marca, G., Canessa, C., Giocaliere, E., Romano, F., Malvagia, S., Funghini, S., Moriondo, M., Valleriani, C., Lippi, F., Ombrone, D., Della Bona, M. L., Speckmann, C., Borte, et al
2014; 134 (1): 155-?
- **Differential role of nonhomologous end joining factors in the generation, DNA damage response, and myeloid differentiation of human induced pluripotent stem cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Felgentreff, K., Du, L., Weinacht, K. G., Dobbs, K., Bartish, M., Giliani, S., Schlaeger, T., DeVine, A., Schambach, A., Woodbine, L. J., Davies, G., Baxi, S. N., van der Burg, et al
2014; 111 (24): 8889-8894
- **Primary Immune Deficiency Treatment Consortium (PIDTC) report.** *journal of allergy and clinical immunology*
Griffith, L. M., Cowan, M. J., Notarangelo, L. D., Kohn, D. B., Puck, J. M., Pai, S., Ballard, B., Bauer, S. C., Bleesing, J. J., Boyle, M., Brower, A., Buckley, R. H., van der Burg, et al
2014; 133 (2): 335-347 e11
- **Whole-exome sequencing identifies tetratricopeptide repeat domain 7A (TTC7A) mutations for combined immunodeficiency with intestinal atresias** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Chen, R., Giliani, S., Lanzi, G., Mias, G. I., Lonardi, S., Dobbs, K., Manis, J., Im, H., Gallagher, J. E., Phanstiel, D. H., Euskirchen, G., Lacroute, P., Bettinger, et al
2013; 132 (3): 656-?
- **Whole-exome sequencing identifies tetratricopeptide repeat domain 7A (TTC7A) mutations for combined immunodeficiency with intestinal atresias.** *journal of allergy and clinical immunology*

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- Chen, R., Giliani, S., Lanzi, G., Mias, G. I., Lonardi, S., Dobbs, K., Manis, J., Im, H., Gallagher, J. E., Phanstiel, D. H., Euskirchen, G., Lacroute, P., Bettinger, et al
2013; 132 (3): 656-664 e17
- **First reported case of Omenn syndrome in a patient with reticular dysgenesis** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Henderson, L. A., Frugoni, F., Hopkins, G., Al-Herz, W., Weinacht, K., Comeau, A. M., Bonilla, F. A., Notarangelo, L. D., Pai, S.
2013; 131 (4): 1227-1230
 - **The role of induced pluripotent stem cells in research and therapy of primary immunodeficiencies.** *Current opinion in immunology*
Weinacht, K. G., Brauer, P. M., Felgentreff, K., Devine, A., Gennery, A. R., Giliani, S., Al-Herz, W., Schambach, A., Zúñiga-Pflücker, J. C., Notarangelo, L. D.
2012; 24 (5): 617-624
 - **Trans locus inhibitors limit concomitant polysaccharide synthesis in the human gut symbiont *Bacteroides fragilis*** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Chatzidaki-Livanis, M., Weinacht, K. G., Comstock, L. E.
2010; 107 (26): 11976-11980
 - **Tyrosine site-specific recombinases mediate DNA inversions affecting the expression of outer surface proteins of *Bacteroides fragilis*** *MOLECULAR MICROBIOLOGY*
Weinacht, K. G., Roche, H., Krinos, C. M., Coyne, M. J., Parkhill, J., Comstock, L. E.
2004; 53 (5): 1319-1330
 - **Mpi recombinase globally modulates the surface architecture of a human commensal bacterium** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Coyne, M. J., Weinacht, K. G., Krinos, C. M., Comstock, L. E.
2003; 100 (18): 10446-10451
 - **Extensive surface diversity of a commensal microorganism by multiple DNA inversions** *NATURE*
Krinos, C. M., Coyne, M. J., Weinacht, K. G., Tzianabos, A. O., Kasper, D. L., Comstock, L. E.
2001; 414 (6863): 555-558