



Cornelia Weyand

Professor of Medicine (Immunology and Rheumatology), Emerita
Medicine - Immunology & Rheumatology

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Medicine - Immunology & Rheumatology
- Member, Bio-X
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Center for Translational Medicine, Stanford University School of Medicine, (2019- present)
- Chief, Division of Immunology and Rheumatology, Stanford University School of Medicine, (2013-2019)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Autoimmunity

Chronic inflammatory disease

Metabolic control of immune function

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (Phd Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Macrophage metabolic exhaustion and PANoptotic cell death drive chronic tissue inflammation in rheumatoid arthritis.** *Immunity*
Huang, T., Takashima, Y., Kumar, J., Morales, J., Le, K., Hu, Z., Rubino, S., Trousdale, R. T., Berry, G. J., Goronzy, J. J., Weyand, C. M.
2026
- **Lipid droplet-induced T cell death sustains autoimmune tissue inflammation.** *Cell metabolism*
Kumar, J., Takashima, Y., Morales, J., Wong, B., Werner, L., Goronzy, I. N., Rubino, S., Trousdale, R. T., Berry, G. J., Goronzy, J. J., Weyand, C. M.
2026
- **Sustained immune youth risks autoimmune disease in the aging host.** *Nature aging*
Weyand, C. M., Goronzy, J. J.

2025; 5 (8): 1404-1414

- **Immune Aging in Rheumatoid Arthritis.** *Arthritis & rheumatology (Hoboken, N.J.)*
Weyand, C. M., Goronzy, J. J.
2025
- **Stem-like CD4+ T cells in perivascular tertiary lymphoid structures sustain autoimmune vasculitis.** *Science translational medicine*
Sato, Y., Jain, A., Ohtsuki, S., Okuyama, H., Sturmlechner, I., Takashima, Y., Le, K. C., Bois, M. C., Berry, G. J., Warrington, K. J., Goronzy, J. J., Weyand, C. M.
2023; 15 (712): eadh0380
- **Immunology of Giant Cell Arteritis.** *Circulation research*
Weyand, C. M., Goronzy, J. J.
2023; 132 (2): 238-250
- **Hyperactivity of the CD155 immune checkpoint suppresses anti-viral immunity in patients with coronary artery disease.** *Nature cardiovascular research*
Zhao, T. V., Hu, Z., Ohtsuki, S., Jin, K., Wu, B., Berry, G. J., Frye, R. L., Goronzy, J. J., Weyand, C. M.
2022; 1 (7): 634-648
- **The transcription factor RFX5 coordinates antigen-presenting function and resistance to nutrient stress in synovial macrophages.** *Nature metabolism*
Hu, Z., Zhao, T. V., Huang, T., Ohtsuki, S., Jin, K., Goronzy, I. N., Wu, B., Abdel, M. P., Bettencourt, J. W., Berry, G. J., Goronzy, J. J., Weyand, C. M.
2022
- **Mitochondrial aspartate regulates TNF biogenesis and autoimmune tissue inflammation.** *Nature immunology*
Wu, B., Zhao, T. V., Jin, K., Hu, Z., Abdel, M. P., Warrington, K. J., Goronzy, J. J., Weyand, C. M.
2021
- **The immunology of rheumatoid arthritis.** *Nature immunology*
Weyand, C. M., Goronzy, J. J.
2020
- **NOTCH-induced rerouting of endosomal trafficking disables regulatory T-cells in vasculitis.** *The Journal of clinical investigation*
Jin, K., Wen, Z., Wu, B., Zhang, H., Qiu, J., Wang, Y., Warrington, K. J., Berry, G., Goronzy, J. J., Weyand, C. M.
2020
- **Succinyl-CoA Ligase Deficiency in Pro-inflammatory and Tissue-Invasive T Cells.** *Cell metabolism*
Wu, B. n., Qiu, J. n., Zhao, T. V., Wang, Y. n., Maeda, T. n., Goronzy, I. N., Akiyama, M. n., Ohtsuki, S. n., Jin, K. n., Tian, L. n., Goronzy, J. J., Weyand, C. M.
2020; 32 (6): 967–80.e5
- **N-myristoyltransferase deficiency impairs activation of kinase AMPK and promotes synovial tissue inflammation** *NATURE IMMUNOLOGY*
Wen, Z., Jin, K., Shen, Y., Yang, Z., Li, Y., Wu, B., Tian, L., Shoor, S., Roche, N. E., Goronzy, J. J., Weyand, C. M.
2019; 20 (3): 313-+
- **N-myristoyltransferase deficiency impairs activation of kinase AMPK and promotes synovial tissue inflammation.** *Nature immunology*
Wen, Z., Jin, K., Shen, Y., Yang, Z., Li, Y., Wu, B., Tian, L., Shoor, S., Roche, N. E., Goronzy, J. J., Weyand, C. M.
2019
- **Glucose metabolism controls disease-specific signatures of macrophage effector functions** *JCI INSIGHT*
Watanabe, R., Hillhorst, M., Zhang, H., Zeisbrich, M., Berry, G. J., Wallis, B. B., Harrison, D. G., Giacomini, J. C., Goronzy, J. J., Weyand, C. M.
2018; 3 (20)
- **A Mitochondrial Checkpoint in Autoimmune Disease.** *Cell metabolism*
Weyand, C. M., Goronzy, J. J.
2018; 28 (2): 185–86
- **Inhibition of JAK-STAT Signaling Suppresses Pathogenic Immune Responses in Medium and Large Vessel Vasculitis** *CIRCULATION*
Zhang, H., Watanabe, R., Berry, G. J., Tian, L., Goronzy, J. J., Weyand, C. M.
2018; 137 (18): 1934–48

- **Immunoinhibitory checkpoint deficiency in medium and large vessel vasculitis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zhang, H., Watanabe, R., Berry, G. J., Vaglio, A., Liao, Y. J., Warrington, K. J., Goronzy, J. J., Weyand, C. M.
2017; 114 (6): E970-E979
- **The microvascular niche instructs T cells in large vessel vasculitis via the VEGF-Jagged1-Notch pathway.** *Science translational medicine*
Wen, Z. n., Shen, Y. n., Berry, G. n., Shahram, F. n., Li, Y. n., Watanabe, R. n., Liao, Y. J., Goronzy, J. J., Weyand, C. M.
2017; 9 (399)
- **Metabolic control of the scaffold protein TKS5 in tissue-invasive, proinflammatory T cells.** *Nature immunology*
Shen, Y. n., Wen, Z. n., Li, Y. n., Matteson, E. L., Hong, J. n., Goronzy, J. J., Weyand, C. M.
2017; 18 (9): 1025–34
- **Deficient Activity of the Nuclease MRE11A Induces T Cell Aging and Promotes Arthritogenic Effector Functions in Patients with Rheumatoid Arthritis.** *Immunity*
Li, Y., Shen, Y., Hohensinner, P., Ju, J., Wen, Z., Goodman, S. B., Zhang, H., Goronzy, J. J., Weyand, C. M.
2016; 45 (4): 903-916
- **NADPH oxidase deficiency underlies dysfunction of aged CD8(+) Tregs** *JOURNAL OF CLINICAL INVESTIGATION*
Wen, Z., Shimojima, Y., Shirai, T., Li, Y., Ju, J., Yang, Z., Tian, L., Goronzy, J. J., Weyand, C. M.
2016; 126 (5): 1953-1967
- **Restoring oxidant signaling suppresses proarthritogenic T cell effector functions in rheumatoid arthritis.** *Science translational medicine*
Yang, Z., Shen, Y., Oishi, H., Matteson, E. L., Tian, L., Goronzy, J. J., Weyand, C. M.
2016; 8 (331): 331ra38-?
- **The glycolytic enzyme PKM2 bridges metabolic and inflammatory dysfunction in coronary artery disease** *JOURNAL OF EXPERIMENTAL MEDICINE*
Shirai, T., Nazarewicz, R. R., Wallis, B. B., Yanes, R. E., Watanabe, R., Hilhorst, M., Tian, L., Harrison, D. G., Giacomini, J. C., Assimes, T. L., Goronzy, J. J., Weyand, C. M.
2016; 213 (3): 337-354
- **Blocking the NOTCH Pathway Inhibits Vascular Inflammation in Large-Vessel Vasculitis** *CIRCULATION*
Piggott, K., Deng, J., Warrington, K., Younge, B., Kubo, J. T., Desai, M., Goronzy, J. J., Weyand, C. M.
2011; 123 (3): 309-U180
- **DNA-dependent protein kinase catalytic subunit mediates T-cell loss in rheumatoid arthritis** *EMBO MOLECULAR MEDICINE*
Shao, L., Goronzy, J. J., Weyand, C. M.
2010; 2 (10): 415-427
- **Th17 and Th1 T-Cell Responses in Giant Cell Arteritis** *CIRCULATION*
Deng, J., Younge, B. R., Olshen, R. A., Goronzy, J. J., Weyand, C. M.
2010; 121 (7): 906-U107
- **Antigen-specific T_H17 cells offset the age-related decline in durable T cell immunity** *SCIENCE ADVANCES*
Sturmlechner, I., Jain, A., Jiang, J., Okuyama, H., Mu, Y., Own, M., Weyand, C. M., Goronzy, J. J.
2026; 12 (6): eaea7131
- **Immune Age, Cardiovascular Disease, and Anti-Viral Immunity.** *Cells*
Le, K. C., Shuja, F., Goronzy, J. J., Weyand, C. M.
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- **Antigen specificity shapes distinct aging trajectories of memory CD8⁺ T cells.** *Nature communications*
Sturmlechner, I., Jain, A., Hu, B., Jadhav, R. R., Cao, W., Okuyama, H., Tian, L., Weyand, C. M., Goronzy, J. J.
2025; 16 (1): 6394
- **Perivascular Tertiary Lymphoid Structures in Autoimmune Disease.** *Immunological reviews*
Goronzy, J. J., Weyand, C. M.
2025; 332 (1): e70047

- **Metabolic checkpoints in rheumatoid arthritis.** *Seminars in arthritis and rheumatism*
Weyand, C. M., Goronzy, J. J.
2024: 152586
- **Subclinical Aortic Inflammation in Patients with Polymyalgia Rheumatica.** *Rheumatology (Oxford, England)*
Kaymakci, M. S., Berry, G. J., Langenfeld, H. E., Hanson, A. C., Crowson, C. S., Bois, M. C., Schaff, H. V., Sato, Y., Le, K. C., Koster, M. J., Weyand, C. M., Warrington, K. J.
2024
- **Immune checkpoints in autoimmune vasculitis.** *Best practice & research. Clinical rheumatology*
Sato, Y., Tada, M., Goronzy, J. J., Weyand, C. M.
2024: 101943
- **A Pathogenetic Model of IgG4-related Disease Developed from Familial IKZF1 and UBR4 Gene Variants**
Liu, Q., Warrington, K., Koster, M., Weyand, C. M., Goronzy, J.
WILEY.2023: 50-51
- **Clinicopathologic Features of Patients with Giant Cell Arteritis and Thoracic Aorta Repair: A Single Center Experience over Two Decades**
Kaymakci, M., Boire, N., Bois, M., Elfishawi, M., Langenfeld, H., Hanson, A., Crowson, C., Koster, M., Weyand, C. M., Warrington, K.
WILEY.2023: 5083-5085
- **Risk of Large Vessel Complications in Patients with Giant Cell Arteritis, a Population-based Study**
Elfishawi, M., Kaymakci, M., Achenbach, S., Crowson, C., Kermani, T., Weyand, C. M., Koster, M., Warrington, K.
WILEY.2023: 4765-4767
- **Arthritogenic Cells Found in the Peripheral Blood of Rheumatoid Arthritis Patients Transfer the Disease to NSG-DR4 Mice**
Rupp, J., Fessler, J., Hayer, S., Dreo, B., Lackner, A., Fasching, P., Helmberg, W., Schlenke, P., Thiel, J., Steiner, G., Weyand, C. M., Stradner, M.
WILEY.2023: 4216
- **Concordance of Relapse Symptoms with Initial Baseline Presentation Features Among Patients with Giant Cell Arteritis**
Guarda, M., Hanson, A., Langenfeld, H., Crowson, C., Rakholiya, J., Labarca, C., Weyand, C. M., Warrington, K., Koster, M.
WILEY.2023: 4770-4772
- **Identification of Giant Cell Arteritis Using Plasma Proteome Profiles Integrated with Machine Learning**
Cunningham, K., Sung, J., Hur, B., Gupta, V., Koster, M., Weyand, C. M., Cuthbertson, D., Khalidi, N., Koening, C., Langford, C., McAlear, C., Monach, P., Moreland, et al
WILEY.2023: 5185-5188
- **Immuno-permissive Antigen-presenting Cells in Giant Cell Arteritis**
Ohtsuki, S., Wang, C., Watanabe, R., Zhang, H., Akiyama, M., Warrington, K., Berry, G. J., Goronzy, J., Weyand, C. M.
WILEY.2023: 4767-4768
- **CD4⁺ CD96⁺ T Cells Are Pathogenic Effector Cells in Giant Cell Arteritis**
Ohtsuki, S., Morales, J., Sato, Y., Wang, C., Koster, M., Warrington, K., Berry, G. J., Goronzy, J., Weyand, C. M.
WILEY.2023: 1602-1603
- **Pharmacological Inhibition of PRMT5 Demonstrates Broad Efficacy in Multiple Preclinical Models of Autoimmunity and Inflammation by Suppressing Th1, Th17 and TNF-Mediated Inflammatory Responses**
Bhagwat, N., Penmetisa, K., Devalaraja, M., Marusic, S., Weyand, C. M., Ohtsuki, S., Scherle, P., Vaddi, K.
WILEY.2023: 127-129
- **Use of High-plex Data Reveals Novel Insights into the Temporal Artery Processus of Giant Cell Arteritis**
Parreau, S., Molina, E., Dumonteil, S., Goulabchand, R., Naves, T., Bois, M., Fauchais, A., Liozon, E., Jauberteau, M., Weyand, C. M., Ly, K.
WILEY.2023: 29-30
- **Immune aging - A mechanism in autoimmune disease.** *Seminars in immunology*
Zheng, Y., Liu, Q., Goronzy, J. J., Weyand, C. M.
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- **Deficiency of the CD155-CD96 immune checkpoint controls IL-9 production in giant cell arteritis.** *Cell reports. Medicine*

- Ohtsuki, S., Wang, C., Watanabe, R., Zhang, H., Akiyama, M., Bois, M. C., Maleszewski, J. J., Warrington, K. J., Berry, G. J., Goronzy, J. J., Weyand, C. M.
2023; 4 (4): 101012
- **CISH impairs lysosomal function in activated T cells resulting in mitochondrial DNA release and inflammaging.** *Nature aging*
Jin, J., Mu, Y., Zhang, H., Sturmlechner, I., Wang, C., Jadhav, R. R., Xia, Q., Weyand, C. M., Goronzy, J. J.
2023
 - **TRIB2 safeguards naive T cell homeostasis during aging.** *Cell reports*
Cao, W., Sturmlechner, I., Zhang, H., Jin, J., Hu, B., Jadhav, R. R., Fang, F., Weyand, C. M., Goronzy, J. J.
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 - **Aging-associated HELIOS deficiency in naive CD4+ T cells alters chromatin remodeling and promotes effector cell responses.** *Nature immunology*
Zhang, H., Jadhav, R. R., Cao, W., Goronzy, I. N., Zhao, T. V., Jin, J., Ohtsuki, S., Hu, Z., Morales, J., Greenleaf, W. J., Weyand, C. M., Goronzy, J. J.
2022
 - **Mitochondria as disease-relevant organelles in rheumatoid arthritis.** *Clinical and experimental immunology*
Weyand, C. M., Wu, B., Huang, T., Hu, Z., Goronzy, J. J.
2022
 - **T cell aging as a risk factor for autoimmunity.** *Journal of autoimmunity*
Liu, Q., Zheng, Y., Goronzy, J. J., Weyand, C. M.
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 - **Immune Responses and Disease Marker Changes Following SARS-CoV-2 mRNA Vaccination in a Cohort of Rheumatic Disease Patients**
An, Z., Zhou, X., Li, Y., Jaquith, J., McCarthy-Fruin, K., Warrington, K. J., Duarte-Garcia, A., Thanarajasingam, U., Weyand, C. M., Zeng, H.
WILEY.2022: 1501-1502
 - **IL-4 prevents adenosine-mediated immunoregulation by inhibiting CD39 expression.** *JCI insight*
Fang, F., Cao, W., Mu, Y., Okuyama, H., Li, L., Qiu, J., Weyand, C. M., Goronzy, J. J.
2022; 7 (12)
 - **Reduced chromatin accessibility to CD4 T cell super-enhancers encompassing susceptibility loci of rheumatoid arthritis.** *EBioMedicine*
Jadhav, R. R., Hu, B., Ye, Z., Sheth, K., Li, X., Greenleaf, W. J., Weyand, C. M., Goronzy, J. J.
1800; 76: 103825
 - **Large-vessel vasculitis.** *Nature reviews. Disease primers*
Pugh, D., Karabayas, M., Basu, N., Cid, M. C., Goel, R., Goodyear, C. S., Grayson, P. C., McAdoo, S. P., Mason, J. C., Owen, C., Weyand, C. M., Youngstein, T., Dhaun, et al
1800; 7 (1): 93
 - **Age as a risk factor in vasculitis.** *Seminars in immunopathology*
Gloor, A. D., Berry, G. J., Goronzy, J. J., Weyand, C. M.
2022
 - **Regulatory T Cells in Autoimmune Vasculitis.** *Frontiers in immunology*
Jin, K., Parreau, S., Warrington, K. J., Koster, M. J., Berry, G. J., Goronzy, J. J., Weyand, C. M.
2022; 13: 844300
 - **The influence of three-dimensional structure on naive T cell homeostasis and aging.** *Frontiers in aging*
Lambert, S., Cao, W., Zhang, H., Colville, A., Liu, J., Weyand, C. M., Goronzy, J. J., Gustafson, C. E.
2022; 3: 1045648
 - **T-Cell Aging-Associated Phenotypes in Autoimmune Disease.** *Frontiers in aging*
Zhao, T. V., Sato, Y., Goronzy, J. J., Weyand, C. M.
2022; 3: 867950
 - **The cell-surface 5'-nucleotidase CD73 defines a functional T memory cell subset that declines with age.** *Cell reports*
Fang, F., Cao, W., Zhu, W., Lam, N., Li, L., Gaddam, S., Wang, Y., Kim, C., Lambert, S., Zhang, H., Hu, B., Farber, D. L., Weyand, et al
2021; 37 (6): 109981

- **Immune And Inflammatory Mechanisms Mediate Cardiovascular Diseases From Head To Toe.** *Cardiovascular research*
Libby, P., Mallat, Z., Weyand, C.
2021
- **Understanding T cell aging to improve anti-viral immunity.** *Current opinion in virology*
Zhang, H., Weyand, C. M., Goronzy, J. J., Gustafson, C. E.
2021; 51: 127-133
- **Activation of mTORC1 at late endosomes misdirects T cell fate decision in older individuals.** *Science immunology*
Jin, J., Kim, C., Xia, Q., Gould, T. M., Cao, W., Zhang, H., Li, X., Weiskopf, D., Grifoni, A., Sette, A., Weyand, C. M., Goronzy, J. J.
2021; 6 (60)
- **miR-181a-regulated pathways in T-cell differentiation and aging.** *Immunity & ageing : I & A*
Kim, C., Ye, Z., Weyand, C. M., Goronzy, J. J.
2021; 18 (1): 28
- **Influence of Lymph Node Microenvironment on Naive T cell Aging**
Gustafson, C. E., Liu, J., Colville, A. J., Cao, W., Zhang, H., Weyand, C. M., Goronzy, J. J.
AMER ASSOC IMMUNOLOGISTS.2021
- **Hallmarks of the aging T cell system.** *The FEBS journal*
Zhang, H., Weyand, C. M., Goronzy, J. J.
2021
- **The GSK3beta-beta-catenin-TCF1 pathway improves naive T cell activation in old adults by upregulating miR-181a.** *NPJ aging and mechanisms of disease*
Ye, Z., Gould, T. M., Zhang, H., Jin, J., Weyand, C. M., Goronzy, J. J.
2021; 7 (1): 4
- **Arachidonic acid-regulated calcium signaling in T cells from patients with rheumatoid arthritis promotes synovial inflammation.** *Nature communications*
Ye, Z., Shen, Y., Jin, K., Qiu, J., Hu, B., Jadhav, R. R., Sheth, K., Weyand, C. M., Goronzy, J. J.
2021; 12 (1): 907
- **Histone deficiency and accelerated replication stress in T cell aging.** *The Journal of clinical investigation*
Kim, C., Jin, J., Ye, Z., Jadhav, R. R., Gustafson, C. E., Hu, B., Cao, W., Tian, L., Weyand, C. M., Goronzy, J. J.
2021; 131 (11)
- **Lysosomes in T Cell Immunity and Aging.** *Frontiers in aging*
Jin, J., Zhang, H., Weyand, C. M., Goronzy, J. J.
2021; 2: 809539
- **Metabolic Control of Autoimmunity and Tissue Inflammation in Rheumatoid Arthritis.** *Frontiers in immunology*
Qiu, J., Wu, B., Goodman, S. B., Berry, G. J., Goronzy, J. J., Weyand, C. M.
2021; 12: 652771
- **The Transcription Factor TCF1 in T Cell Differentiation and Aging.** *International journal of molecular sciences*
Kim, C., Jin, J., Weyand, C. M., Goronzy, J. J.
2020; 21 (18)
- **Pathogenesis of Giant Cell Arteritis and Takayasu Arteritis-Similarities and Differences.** *Current rheumatology reports*
Watanabe, R., Berry, G. J., Liang, D. H., Goronzy, J. J., Weyand, C. M.
2020; 22 (10): 68
- **T Cell Aging in Hypertension.** *Cardiovascular research*
Weyand, C. M., Goronzy, J. J.
2020
- **Homeostatic maintenance of human T cells in bioengineered secondary lymphoid organoids - a model for studying age-related immune decline**

- Gustafson, C., Lambert, S., Weyand, C. M., Goronzy, J. J.
AMER ASSOC IMMUNOLOGISTS.2020
- **Influence of immune aging on vaccine responses.** *The Journal of allergy and clinical immunology*
Gustafson, C. E., Kim, C., Weyand, C. M., Goronzy, J. J.
2020; 145 (5): 1309–21
 - **FOXO1 deficiency impairs proteostasis in aged T cells.** *Science advances*
Jin, J., Li, X., Hu, B., Kim, C., Cao, W., Zhang, H., Weyand, C. M., Goronzy, J. J.
2020; 6 (17): eaba1808
 - **FOXO1 deficiency impairs proteostasis in aged T cells** *SCIENCE ADVANCES*
Jin, J., Li, X., Hu, B., Kim, C., Cao, W., Zhang, H., Weyand, C. M., Goronzy, J. J.
2020; 6 (17)
 - **Immune cell repertoires in breast cancer patients after adjuvant chemotherapy.** *JCI insight*
Gustafson, C. E., Jadhav, R., Cao, W., Qi, Q., Pegram, M., Tian, L., Weyand, C. M., Goronzy, J. J.
2020; 5 (4)
 - **Immunometabolism in the development of rheumatoid arthritis.** *Immunological reviews*
Weyand, C. M., Goronzy, J. J.
2020
 - **Ecto-NTPDase CD39 is a negative checkpoint that inhibits follicular helper cell generation.** *The Journal of clinical investigation*
Cao, W. n., Fang, F. n., Gould, T. n., Li, X. n., Kim, C. n., Gustafson, C. n., Lambert, S. n., Weyand, C. M., Goronzy, J. J.
2020
 - **Metabolic Fitness of T Cells in Autoimmune Disease.** *Immunometabolism*
Wu, B., Goronzy, J. J., Weyand, C. M.
2020; 2 (2)
 - **Cellular Signaling Pathways in Medium and Large Vessel Vasculitis.** *Frontiers in immunology*
Watanabe, R., Berry, G. J., Liang, D. H., Goronzy, J. J., Weyand, C. M.
2020; 11: 587089
 - **Innate and Adaptive Immunity in Giant Cell Arteritis.** *Frontiers in immunology*
Akiyama, M. n., Ohtsuki, S. n., Berry, G. J., Liang, D. H., Goronzy, J. J., Weyand, C. M.
2020; 11: 621098
 - **Distinct Age-Related Epigenetic Signatures in CD4 and CD8 T Cells.** *Frontiers in immunology*
Hu, B., Jadhav, R. R., Gustafson, C. E., Le Saux, S., Ye, Z., Li, X., Tian, L., Weyand, C. M., Goronzy, J. J.
2020; 11: 585168
 - **Large and Medium-Vessel Vasculitides** *AUTOIMMUNE DISEASES, 6TH EDITION*
Weyand, C. M., Goronzy, J. J.
edited by Rose, N. R., Mackay, I. R.
2020: 1313–34
 - **Neutrophil Extracellular Traps Induce Tissue-Invasive Macrophages in Granulomatosis with Polyangiitis Dominated by Ear, Nose and Throat Manifestations**
Akiyama, M., Ibrahim, N., Zeisbrich, M., Hwang, P., Goronzy, J., Weyand, C.
WILEY.2019
 - **Lysosomal Placement of the Energy Sensors AMPK and mTORC1 Controls Tissue Inflammation in Rheumatoid Arthritis**
Wen, Z., Jin, K., Li, Y., Wu, B., Goronzy, J., Weyand, C.
WILEY.2019
 - **Loss-of-function of the DNA Repair Nuclease MRE11A Induces Mitochondrial Failure and Tissue Inflammation in Rheumatoid Arthritis**
Li, Y., Shen, Y., Jin, K., Wen, Z., Cao, W., Wu, B., Wen, R., Tian, L., Berry, G., Goronzy, J., Weyand, C.
WILEY.2019

- **Metabolic Signatures of Pathogenic T Cells in Medium and Large Vessel Vasculitis**
Akiyama, M., Zhang, H., Watanabe, R., Maeda, T., Berry, G., Goronzy, J., Weyand, C.
WILEY.2019
- **GM-CSF Is a Pro-Inflammatory Cytokine in Experimental Vasculitis of Medium and Large Arteries**
Watanabe, R., Zhang, H., Maeda, T., Akiyama, M., Gandhi, R., Paolini, J., Berry, G., Weyand, C.
WILEY.2019
- **Cytokines, growth factors and proteases in medium and large vessel vasculitis** *CLINICAL IMMUNOLOGY*
Weyand, C. M., Watanabe, R., Zhang, H., Akiyama, M., Berry, G. J., Goronzy, J. J.
2019; 206: 33–41
- **Geographical variations in ocular and extra-ocular manifestations in Behcet's disease.** *European journal of rheumatology*
Shahram, F., Mahlen, M. T., Akhlaghi, M., Davatchi, F., Liao, Y. J., Weyand, C. M.
2019: 1–8
- **The DNA Repair Nuclease MRE11A Functions as a Mitochondrial Protector and Prevents T Cell Pyroptosis and Tissue Inflammation.** *Cell metabolism*
Li, Y., Shen, Y., Jin, K., Wen, Z., Cao, W., Wu, B., Wen, R., Tian, L., Berry, G. J., Goronzy, J. J., Weyand, C. M.
2019
- **Transcription factor networks in aged naive CD4 T cells bias lineage differentiation.** *Aging cell*
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