

Stanford



Jorg Goronzy

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

Bio

BIO

Dr. Jörg J. Goronzy specializes in the treatment of immunological and rheumatic diseases with an expertise in the care of patients with giant cell arteritis and rheumatoid arthritis. Before coming to Stanford in 2009, he was the Mason I. Lowance, M.D. Professor of Medicine at Emory University, Atlanta. From 1990 to 2003, he was on the faculty of the Mayo Clinic.

ACADEMIC APPOINTMENTS

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

PROFESSIONAL EDUCATION

- Dr. med., University of Bonn , Medicine (1979)
- Fellowship, Stanford University , Rheumatology (1986)
- Dr. med. habil, University of Heidelberg , Medicine (1988)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

T cell homeostasis and function with age

CLINICAL TRIALS

- T Cell Responses to Varicella Zoster Virus (VZV) Vaccine SLVP020, Not Recruiting
- The Influence of Chronic CMV Infection on Influenza Vaccine Responses, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

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

Publications

PUBLICATIONS

- Immune checkpoints in autoimmune vasculitis. *Best practice & research. Clinical rheumatology*

Sato, Y., Tada, M., Goronzy, J. J., Weyand, C. M.

2024; 101943

• **PREX1 improves homeostatic proliferation to maintain a naive CD4 T cell compartment in older age.** *JCI insight*

Zhang, H., Okuyama, H., Jain, A., Jadhav, R. R., Wu, B., Sturmlechner, I., Morales, J., Ohtsuki, S., Weyand, C. M., Goronzy, J. J.
2024

• **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

• **Immune aging - A mechanism in autoimmune disease.** *Seminars in immunology*

Zheng, Y., Liu, Q., Goronzy, J. J., Weyand, C. M.
2023; 69: 101814

• **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 inflamming.** *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 Tcell 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.
2023; 42 (3): 112195

• **Immunology of Giant Cell Arteritis.** *Circulation research*

Weyand, C. M., Goronzy, J. J.
2023; 132 (2): 238-250

• **Senescent cells as thermostats of antitumor immunity.** *Science translational medicine*

Prieto, L. I., Sturmlechner, I., Goronzy, J. J., Baker, D. J.
2023; 15 (699): eadg7291

• **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.
2022; 102947

• **PD-1 combination therapy with IL-2 modifies CD8+ T cell exhaustion program.** *Nature*

Hashimoto, M., Araki, K., Cardenas, M. A., Li, P., Jadhav, R. R., Kissick, H. T., Hudson, W. H., McGuire, D. J., Obeng, R. C., Wieland, A., Lee, J., McManus, D. T., Ross, et al
2022

• **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

- **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)
- **NEAT-seq: simultaneous profiling of intra-nuclear proteins, chromatin accessibility and gene expression in single cells.** *Nature methods*
Chen, A. F., Parks, B., Kathiria, A. S., Ober-Reynolds, B., Goronzy, J. J., Greenleaf, W. J.
2022
- **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
- **Corrigendum: 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.
2022; 13: 911132
- **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
- **Age as a risk factor in vasculitis.** *Seminars in immunopathology*
Gloor, A. D., 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 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
- **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
- **Structural constraints in T-cell repertoire selection predicted by machine learning.** *Genes and immunity*
Cao, W., Goronzy, J. J.
2021
- **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
- **Association of Premature Immune Aging and Cytomegalovirus After Solid Organ Transplant** *FRONTIERS IN IMMUNOLOGY*
Higdon, L. E., Gustafson, C. E., Ji, X., Sahoo, M. K., Pinsky, B. A., Margulies, K. B., Maecker, H. T., Goronzy, J., Maltzman, J. S.
2021; 12

- **Association of Premature Immune Aging and Cytomegalovirus After Solid Organ Transplant.** *Frontiers in immunology*
Higdon, L. E., Gustafson, C. E., Ji, X., Sahoo, M. K., Pinsky, B. A., Margulies, K. B., Maecker, H. T., Goronzy, J., Maltzman, J. S.
2021; 12: 661551
- **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
- **Therapy-Induced Senescence: Opportunities to Improve Anti-Cancer Therapy.** *Journal of the National Cancer Institute*
Prasanna, P. G., Citrin, D. E., Hildesheim, J., Ahmed, M. M., Venkatachalam, S., Riscuta, G., Xi, D., Zheng, G., van Deursen, J., Goronzy, J., Kron, S. J., Anscher, M. S., Sharpless, et al
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
- **Lysosomes in T Cell Immunity and Aging.** *Frontiers in aging*
Jin, J., Zhang, H., Weyand, C. M., Goronzy, J. J.
2021; 2: 809539
- **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)
- **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 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
- **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
- **One step ultra-high-throughput sequencing of the paired antibody VH:VL and TCR beta:alpha repertoire using cell lysate resistant xenopolymerase in emulsion**
Tanno, H., McDaniel, J., Stevens, C., Voss, W., Li, J., Durrett, R., Lee, J., Gollihar, J., Tanno, Y., Delidakis, G., Pothukuchi, A., Ellefson, J., Goronzy, et al

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
- **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
- **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
- **A facile technology for the high-throughput sequencing of the paired VH:VL and TCR beta:TCR alpha repertoires** *SCIENCE ADVANCES*
Tanno, H., McDaniel, J. R., Stevens, C. A., Voss, W. N., Li, J., Durrett, R., Lee, J., Gollihar, J., Tanno, Y., Delidakis, G., Pothukuchi, A., Ellefson, J. W., Goronzy, et al
2020; 6 (17): eaay9093
- **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
- **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
- **Large and Medium-Vessel Vasculitides** *AUTOIMMUNE DISEASES, 6TH EDITION*
Weyand, C. M., Goronzy, J. J., 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

- **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

- **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*
Hu, B., Li, G., Ye, Z., Gustafson, C. E., Tian, L., Weyand, C. M., Goronzy, J. J.
2019; e12957

- **Epigenetic signature of PD-1+ TCF1+ CD8 T cells that act as resource cells during chronic viral infection and respond to PD-1 blockade.** *Proceedings of the National Academy of Sciences of the United States of America*
Jadhav, R. R., Im, S. J., Hu, B., Hashimoto, M., Li, P., Lin, J., Leonard, W. J., Greenleaf, W. J., Ahmed, R., Goronzy, J. J.
2019

- **CD28 AS A POTENTIAL THERAPEUTIC TARGET FOR GIANT CELL ARTERITIS**
Watanabe, R., Zhang, H., Berry, G., Nadler, S., Goronzy, J., Weyand, C.
BMJ PUBLISHING GROUP.2019: 146

- **CD28 Signaling Controls Metabolic Fitness of Pathogenic T Cells in Medium and Large Vessel Vasculitis** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Zhang, H., Watanabe, R., Berry, G. J., Nadler, S. G., Goronzy, J. J., Weyand, C. M.
2019; 73 (14): 1811–23

- **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–+

- **Cytokines, growth factors and proteases in medium and large vessel vasculitis.** *Clinical immunology (Orlando, Fla.)*
Weyand, C. M., Watanabe, R., Zhang, H., Akiyama, M., Berry, G. J., Goronzy, J. J.
2019

- **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

- **Functional pathways regulated by microRNA networks in CD8 T-cell aging** *AGING CELL*
Gustafson, C. E., Cavanagh, M. M., Jin, J., Weyand, C. M., Goronzy, J. J.
2019; 18 (1)

- **The metabolic signature of T cells in rheumatoid arthritis.** *Current opinion in rheumatology*
Weyand, C. M., Wu, B. n., Goronzy, J. J.
2019

- **Chronic inflammation in the etiology of disease across the life span.** *Nature medicine*
Furman, D. n., Campisi, J. n., Verdin, E. n., Carrera-Bastos, P. n., Targ, S. n., Franceschi, C. n., Ferrucci, L. n., Gilroy, D. W., Fasano, A. n., Miller, G. W., Miller, A. H., Mantovani, A. n., Weyand, et al
2019; 25 (12): 1822–32
- **Determinants governing T cell receptor # #-chain pairing in repertoire formation of identical twins.** *Proceedings of the National Academy of Sciences of the United States of America*
Tanno, H. n., Gould, T. M., McDaniel, J. R., Cao, W. n., Tanno, Y. n., Durrett, R. E., Park, D. n., Cate, S. J., Hildebrand, W. H., Dekker, C. L., Tian, L. n., Weyand, C. M., Georgiou, et al
2019
- **Defects in Antiviral T Cell Responses Inflicted by Aging-Associated miR-181a Deficiency.** *Cell reports*
Kim, C. n., Jadhav, R. R., Gustafson, C. E., Smithey, M. J., Hirsch, A. J., Uhrlaub, J. L., Hildebrand, W. H., Nikolich-Žugich, J. n., Weyand, C. M., Goronzy, J. J.
2019; 29 (8): 2202–16.e5
- **Mechanisms underlying T cell ageing.** *Nature reviews. Immunology*
Goronzy, J. J., Weyand, C. M.
2019
- **Metabolic reprogramming in memory CD4 T cell responses of old adults.** *Clinical immunology (Orlando, Fla.)*
Yanes, R. E., Zhang, H. n., Shen, Y. n., Weyand, C. M., Goronzy, J. J.
2019
- **Neutrophil Extracellular Traps Induce Tissue-Invasive Monocytes in Granulomatosis With Polyangiitis.** *Frontiers in immunology*
Akiyama, M. n., Zeisbrich, M. n., Ibrahim, N. n., Ohtsuki, S. n., Berry, G. J., Hwang, P. H., Goronzy, J. J., Weyand, C. M.
2019; 10: 2617
- **Fighting against a protean enemy: immunosenescence, vaccines, and healthy aging.** *NPJ aging and mechanisms of disease*
Del Giudice, G., Goronzy, J. J., Grubeck-Loebenstein, B., Lambert, P. H., Mrkvan, T., Stoddard, J. J., Doherty, T. M.
2018; 4: 1
- **Activation of miR-21-Regulated Pathways in Immune Aging Selects against Signatures Characteristic of Memory T Cells.** *Cell reports*
Kim, C., Hu, B., Jadhav, R. R., Jin, J., Zhang, H., Cavanagh, M. M., Akondy, R. S., Ahmed, R., Weyand, C. M., Goronzy, J. J.
2018; 25 (8): 2148
- **Activation of miR-21-Regulated Pathways in Immune Aging Selects against Signatures Characteristic of Memory T Cells** *CELL REPORTS*
Kim, C., Hu, B., Jadhav, R. R., Jin, J., Zhang, H., Cavanagh, M. M., Akondy, R. S., Ahmed, R., Weyand, C. M., Goronzy, J. J.
2018; 25 (8): 2148++
- **Glucose metabolism controls disease-specific signatures of macrophage effector functions.** *JCI insight*
Watanabe, R., Hilhorst, 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)
- **Glucose metabolism controls disease-specific signatures of macrophage effector functions** *JCI INSIGHT*
Watanabe, R., Hilhorst, 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)
- **Epigenetics of Tcell aging** *JOURNAL OF LEUKOCYTE BIOLOGY*
Goronzy, J. J., Hu, B., Kim, C., Jadhav, R. R., Weyand, C. M.
2018; 104 (4): 691–99
- **T follicular helper cell development and functionality in immune ageing.** *Clinical science (London, England : 1979)*
Gustafson, C. E., Weyand, C. M., Goronzy, J. J.
2018; 132 (17): 1925–35
- **T follicular helper cell development and functionality in immune ageing** *CLINICAL SCIENCE*
Gustafson, C. E., Weyand, C. M., Goronzy, J. J.
2018; 132 (17): 1925–35
- **Redox-sensitive signaling in inflammatory T cells and in autoimmune disease** *FREE RADICAL BIOLOGY AND MEDICINE*

- Weyand, C. M., Shen, Y., Goronzy, J. J.
2018; 125: 36–43
- **MMP (Matrix Metalloprotease)-9-Producing Monocytes Enable T Cells to Invade the Vessel Wall and Cause Vasculitis** *CIRCULATION RESEARCH*
Watanabe, R., Maeda, T., Zhang, H., Berry, G. J., Zeisbrich, M., Brockett, R., Greenstein, A. E., Tian, L., Goronzy, J. J., Weyand, C. M.
2018; 123 (6): 700–715
 - **A Mitochondrial Checkpoint in Autoimmune Disease.** *Cell metabolism*
Weyand, C. M., Goronzy, J. J.
2018; 28 (2): 185–86
 - **A Mitochondrial Checkpoint in Autoimmune Disease** *CELL METABOLISM*
Weyand, C. M., Goronzy, J. J.
2018; 28 (2): 185–86
 - **Regulation of miR-181a expression in T cell aging.** *Nature communications*
Ye, Z., Li, G., Kim, C., Hu, B., Jadhav, R. R., Weyand, C. M., Goronzy, J. J.
2018; 9 (1): 3060
 - **Regulation of miR-181a expression in T cell aging** *NATURE COMMUNICATIONS*
Ye, Z., Li, G., Kim, C., Hu, B., Jadhav, R. R., Weyand, C. M., Goronzy, J. J.
2018; 9
 - **Matrix Metalloprotease-9 (MMP-9)-Producing Monocytes Enable T Cells to Invade the Vessel Wall and Cause Vasculitis.** *Circulation research*
Watanabe, R., Maeda, T., Zhang, H., Berry, G. J., Zeisbrich, M., Brockett, R. D., Greenstein, A. E., Tian, L., Goronzy, J. J., Weyand, C. M.
2018
 - **Hypermetabolic macrophages in rheumatoid arthritis and coronary artery disease due to glycogen synthase kinase 3b inactivation** *ANNALS OF THE RHEUMATIC DISEASES*
Zeisbrich, M., Yanes, R. E., Zhang, H., Watanabe, R., Li, Y., Brosig, L., Hong, J., Wallis, B. B., Giacomini, J. C., Assimes, T. L., Goronzy, J. J., Weyand, C. M.
2018; 77 (7): 1053–62
 - **Epigenetics of Tcell aging.** *Journal of leukocyte biology*
Goronzy, J. J., Hu, B., Kim, C., Jadhav, R. R., Weyand, C. M.
2018
 - **Vaccination programs for older adults in an era of demographic change** *EUROPEAN GERIATRIC MEDICINE*
Doherty, T., Connolly, M. P., Del Giudice, G., Flamaing, J., Goronzy, J. J., Grubeck-Loebenstein, B., Lambert, P., Maggi, S., McElhaney, J. E., Nagai, H., Schaffner, W., Schmidt-Ott, R., Walsh, et al
2018; 9 (3): 289–300
 - **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
 - **DNA damage, metabolism and aging in pro-inflammatory T cells Rheumatoid arthritis as a model system** *EXPERIMENTAL GERONTOLOGY*
Li, Y., Goronzy, J. J., Weyand, C. M.
2018; 105: 118–27
 - **Vaccination programs for older adults in an era of demographic change.** *European geriatric medicine*
Doherty, T. M., Connolly, M. P., Del Giudice, G., Flamaing, J., Goronzy, J. J., Grubeck-Loebenstein, B., Lambert, P. H., Maggi, S., McElhaney, J. E., Nagai, H., Schaffner, W., Schmidt-Ott, R., Walsh, et al
2018; 9 (3): 289–300
 - **Redox-sensitive signaling in inflammatory T cells and in autoimmune disease.** *Free radical biology & medicine*
Weyand, C. M., Shen, Y., Goronzy, J. J.
2018
 - **The immunoinhibitory PD-1/PD-L1 pathway in inflammatory blood vessel disease.** *Journal of leukocyte biology*
Weyand, C. M., Berry, G. J., Goronzy, J. J.
2018; 103 (3): 565–75

- **The immunoinhibitory PD-1/PD-L1 pathway in inflammatory blood vessel disease**
Weyand, C. M., Berry, G. J., Goronzy, J. J.
WILEY.2018: 565–75
- **Hypermetabolic macrophages in rheumatoid arthritis and coronary artery disease due to glycogen synthase kinase 3b inactivation.** *Annals of the rheumatic diseases*
Zeisbrich, M., Yanes, R. E., Zhang, H., Watanabe, R., Li, Y., Brosig, L., Hong, J., Wallis, B. B., Giacomini, J. C., Assimes, T. L., Goronzy, J. J., Weyand, C. M.
2018
- **Functional pathways regulated by microRNA networks in CD8 T-cell aging.** *Aging cell*
Gustafson, C. E., Cavanagh, M. M., Jin, J. n., Weyand, C. M., Goronzy, J. J.
2018: e12879
- **Origin and differentiation of human memory CD8 T cells after vaccination** *NATURE*
Akondy, R. S., Fitch, M., Edupuganti, S., Yang, S., Kissick, H. T., Li, K. W., Youngblood, B. A., Abdelsamed, H. A., McGuire, D. J., Cohen, K. W., Alexe, G., Nagar, S., McCausland, et al
2017; 552 (7685): 362–+
- **Fighting against a protean enemy: immunosenescence, vaccines, and healthy aging** *NPJ AGING AND MECHANISMS OF DISEASE*
Del Giudice, G., Goronzy, J. J., Grubeck-Loebenstein, B., Lambert, P., Mrkvan, T., Stoddard, J. J., Doherty, T.
2017; 4
- **Comparative Analysis of the Macrophage Glycolytic Machinery in Giant Cell Arteritis (GCA) and in Coronary Artery Disease (CAD)**
Weyand, C. M., Watanabe, R., Shirai, T., Zhang, H., Berry, G., Goronzy, J.
WILEY.2017
- **Metabolic Activity Sustains Macrophage Cytokine Production in Rheumatoid Arthritis and Coronary Artery Disease**
Weyand, C. M., Zeisbrich, M., Brosig, L., Wallis, B., Roche, N., Lin, J., Goronzy, J.
WILEY.2017
- **Tissue-Invasive T Cells in Rheumatoid Arthritis**
Weyand, C. M., Shen, Y., Li, Y., Matteson, E. L., Goodman, S., Goronzy, J.
WILEY.2017
- **The Microvascular Niche Instructs Pathogenic T Cells in Medium and Large Vessel Vasculitis**
Weyand, C. M., Wen, Z., Shen, Y., Berry, G., Liao, J., Goronzy, J.
WILEY.2017
- **Immune Checkpoint Function of CD85j in CD8 T Cell Differentiation and Aging** *FRONTIERS IN IMMUNOLOGY*
Gustafson, C. E., Qi, Q., Hutter-Saunders, J., Gupta, S., Jadhav, R., Newell, E., Maecker, H., Weyand, C. M., Goronzy, J. J.
2017; 8: 692
- **Metabolic signatures of T-cells and macrophages in rheumatoid arthritis** *CURRENT OPINION IN IMMUNOLOGY*
Weyand, C. M., Zeisbrich, M., Goronzy, J. J.
2017; 46: 112–20
- **Immunometabolism in early and late stages of rheumatoid arthritis.** *Nature reviews. Rheumatology*
Weyand, C. M., Goronzy, J. J.
2017; 13 (5): 291–301
- **Immune checkpoint dysfunction in large and medium vessel vasculitis.** *American journal of physiology. Heart and circulatory physiology*
Watanabe, R., Zhang, H., Berry, G., Goronzy, J. J., Weyand, C. M.
2017; 312 (5): H1052–H1059
- **Immunometabolism in early and late stages of rheumatoid arthritis** *NATURE REVIEWS RHEUMATOLOGY*
Weyand, C. M., Goronzy, J. J.
2017; 13 (5): 1–11
- **Response to Comment on "Diversification of the antigen-specific T cell receptor repertoire after varicella zoster vaccination".** *Science translational medicine*

- Goronzy, J., Qi, Q., Weyand, C.
2017; 9 (382)
- **Response to Comment on "Diversification of the antigen-specific T cell receptor repertoire after varicella zoster vaccination" *SCIENCE TRANSLATIONAL MEDICINE***
Goronzy, J., Qi, Q., Weyand, C.
2017; 9 (382)
 - **Successful and Maladaptive T Cell Aging *IMMUNITY***
Goronzy, J. J., Weyand, C. M.
2017; 46 (3): 364-378
 - **Clinical and pathological evolution of giant cell arteritis: a prospective study of follow-up temporal artery biopsies in 40 treated patients. *Modern pathology***
Maleszewski, J. J., Younge, B. R., Fritzlen, J. T., Hunder, G. G., Goronzy, J. J., Warrington, K. J., Weyand, C. M.
2017
 - **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
 - **Epigenomics of human CD8 T cell differentiation and aging. *Science immunology***
Moskowitz, D. M., Zhang, D. W., Hu, B., Le Saux, S., Yanes, R. E., Ye, Z., Buenrostro, J. D., Weyand, C. M., Greenleaf, W. J., Goronzy, J. J.
2017; 2 (8)
 - **Epigenomics of human CD8 T cell differentiation and aging *SCIENCE IMMUNOLOGY***
Moskowitz, D. M., Zhang, D. W., Hu, B., Le Saux, S., Yanes, R. E., Ye, Z., Buenrostro, J. D., Weyand, C. M., Greenleaf, W. J., Goronzy, J. J.
2017; 2 (8)
 - **Lymphocyte generation and population homeostasis throughout life *SEMINARS IN HEMATOLOGY***
Yanes, R. E., Gustafson, C. E., Weyand, C. M., Goronzy, J. J.
2017; 54 (1): 33-38
 - **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
 - **Pyruvate controls the checkpoint inhibitor PD-L1 and suppresses T cell immunity. *The Journal of clinical investigation***
Watanabe, R. n., Shirai, T. n., Namkoong, H. n., Zhang, H. n., Berry, G. J., Wallis, B. B., Schaeften, B. n., Harrison, D. G., Tremmel, J. A., Giacomini, J. C., Goronzy, J. J., Weyand, C. M.
2017; 127 (7): 2725-38
 - **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)
 - **The life cycle of a T cell after vaccination - where does immune ageing strike? *CLINICAL AND EXPERIMENTAL IMMUNOLOGY***
Kim, C., Fang, F., Weyand, C. M., Goronzy, J. J.
2017; 187 (1): 71-81
 - **Aging of the Immune System. Mechanisms and Therapeutic Targets. *Annals of the American Thoracic Society***
Weyand, C. M., Goronzy, J. J.
2016; 13: S422-S428
 - **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
 - **Defective T Memory Cell Differentiation after Varicella Zoster Vaccination in Older Individuals. *PLoS pathogens***

Qi, Q., Cavanagh, M. M., Le Saux, S., Wagar, L. E., Mackey, S., Hu, J., Maecker, H., Swan, G. E., Davis, M. M., Dekker, C. L., Tian, L., Weyand, C. M., Goronzy, et al
2016; 12 (10)

● **Switching from Anabolic to Catabolic Metabolism - a Novel Immunomodulatory Therapy in RA**

Yang, Z., Shen, Y., Matteson, E. L., Hosgur, E., Hong, J., Goronzy, J., Weyand, C. M.
WILEY.2016

● **PD-1-Expressing T Cells in GCA Fail to Promote Immune Tolerance Functions**

Watanabe, R., Zhang, H., Hosgur, E., Berry, G., Goronzy, J., Weyand, C. M.
WILEY.2016

● **Age-Related Defects in the Immune System of Patients with GCA**

Wen, Z., Shimojima, Y., Berry, G., Hosgur, E., Liao, J., Forbess, L., Weisman, M., Goronzy, J., Weyand, C. M.
WILEY.2016

● **Pro-inflammatory and anti-inflammatory T cells in giant cell arteritis.** *Joint, bone, spine : revue du rhumatisme*

Watanabe, R., Hosgur, E., Zhang, H., Wen, Z., Berry, G., Goronzy, J. J., Weyand, C. M.
2016

● **The life cycle of a T cell after vaccination - where does immune ageing strike?** *Clinical and experimental immunology*

Kim, C., Fang, F., Weyand, C. M., Goronzy, J. J.
2016

● **Giant Cell Arteritis: From Pathogenesis to Therapeutic Management.** *Current treatment options in rheumatology*

Watanabe, R., Goronzy, J. J., Berry, G., Liao, Y. J., Weyand, C. M.
2016; 2 (2): 126-137

● **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

● **Regulation of metabolic pathways in CD4 T memory cell responses of older individuals**

Yanes, R. E., Goronzy, J. J.
AMER ASSOC IMMUNOLOGISTS.2016

● **Systems analysis of microRNAs reveals a novel link between CD8 T cell dysfunction and TGF-beta signaling in immune aging**

Gustafson, C., Cavanagh, M., Hui, B., Zhang, D., Weyand, C. M., Goronzy, J. J.
AMER ASSOC IMMUNOLOGISTS.2016

● **Diversification of the antigen-specific T cell receptor repertoire after varicella zoster vaccination.** *Science translational medicine*

Qi, Q., Cavanagh, M. M., Le Saux, S., Namkoong, H., Kim, C., Turgano, E., Liu, Y., Wang, C., Mackey, S., Swan, G. E., Dekker, C. L., Olshen, R. A., Boyd, et al
2016; 8 (332): 332ra46-?

● **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

● **Expression of CD39 on Activated T Cells Impairs their Survival in Older Individuals.** *Cell reports*

Fang, F., Yu, M., Cavanagh, M. M., Hutter Saunders, J., Qi, Q., Ye, Z., Le Saux, S., Sultan, W., Turgano, E., Dekker, C. L., Tian, L., Weyand, C. M., Goronzy, et al
2016; 14 (5): 1218-1231

● **Immune activation caused by vascular oxidation promotes fibrosis and hypertension** *JOURNAL OF CLINICAL INVESTIGATION*

Wu, J., Saleh, M. A., Kirabo, A., Itani, H. A., Montaniel, K. R., Xiao, L., Chen, W., Mernaugh, R. L., Cai, H., Bernstein, K. E., Goronzy, J. J., Weyand, C. M., Curci, et al
2016; 126 (1): 50-67

- **High-throughput sequencing insights into T-cell receptor repertoire diversity in aging** *GENOME MEDICINE*
Goronzy, J. J., Qi, Q., Olshen, R. A., Weyand, C. M.
2015; 7: 117
- **Telomere Damage in Rheumatoid Arthritis**
Li, Y., Ju, J., Bush, T. M., Genovese, M. C., Goronzy, J., Weyand, C. M.
WILEY-BLACKWELL.2015
- **Failure in Nutrient Sensing Supports mTOR Hyperactivity and Proinflammatory Functions in T Cells from Patients with Rheumatoid Arthritis**
Yang, Z., Matteson, E. L., Hong, J., Goronzy, J., Weyand, C. M.
WILEY-BLACKWELL.2015
- **Enhanced Oxidant Signaling in Inflammatory Macrophages in Rheumatoid Arthritis (RA) and in Coronary Artery Disease (CAD)**
Shirai, T., Schaeffgen, B., Wallis, B., Matteson, E. L., Assimes, T. L., Harrison, D. G., Goronzy, J., Weyand, C. M.
WILEY-BLACKWELL.2015
- **Endothelial Cells Regulate Proinflammatory T Cell Responses in Large Vessel Vasculitis Via NOTCH-NOTCH Ligand Interactions**
Wen, Z., Zhang, H., Liao, J., Berry, G., Forbess, L. J., Weissman, M., Goronzy, J., Weyand, C. M.
WILEY-BLACKWELL.2015
- **Second Temporal Artery Biopsies in Patients with Temporal Arteritis (TA)**
Fritzlen, J., Younge, B., Weyand, C. M., Hunder, G. G., Goronzy, J., Warrington, K. J., Maleszewski, J.
WILEY-BLACKWELL.2015
- **Age-Associated Failure To Adjust Type I IFN Receptor Signaling Thresholds after T Cell Activation** *JOURNAL OF IMMUNOLOGY*
Li, G., Ju, J., Weyand, C. M., Goronzy, J. J.
2015; 195 (3): 865-874
- **Age-Associated Failure To Adjust Type I IFN Receptor Signaling Thresholds after T Cell Activation.** *Journal of immunology (Baltimore, Md. : 1950)*
Li, G., Ju, J., Weyand, C. M., Goronzy, J. J.
2015; 195 (3): 865-74
- **Large-Scale and Comprehensive Immune Profiling and Functional Analysis of Normal Human Aging** *PLOS ONE*
Whiting, C. C., Siebert, J., Newman, A. M., Du, H., Alizadeh, A. A., Goronzy, J., Weyand, C. M., Krishnan, E., Fathman, C. G., Maecker, H. T.
2015; 10 (7)
- **Autophagy in autoimmune disease** *JOURNAL OF MOLECULAR MEDICINE-JMM*
Yang, Z., Goronzy, J. J., Weyand, C. M.
2015; 93 (7): 707-717
- **Naive T Cell Maintenance and Function in Human Aging** *JOURNAL OF IMMUNOLOGY*
Goronzy, J. J., Fang, F., Cavanagh, M. M., Qi, Q., Weyand, C. M.
2015; 194 (9): 4073-4080
- **Macrophages in vascular inflammation - From atherosclerosis to vasculitis** *AUTOIMMUNITY*
Shirai, T., Hilhorst, M., Harrison, D. G., Goronzy, J. J., Weyand, C. M.
2015; 48 (3): 139-151
- **T-cell metabolism in autoimmune disease** *ARTHRITIS RESEARCH & THERAPY*
Yang, Z., Matteson, E. L., Goronzy, J. J., Weyand, C. M.
2015; 17
- **B-cell repertoire responses to varicella-zoster vaccination in human identical twins.** *Proceedings of the National Academy of Sciences of the United States of America*
Wang, C., Liu, Y., Cavanagh, M. M., Le Saux, S., Qi, Q., Roskin, K. M., Looney, T. J., Lee, J., Dixit, V., Dekker, C. L., Swan, G. E., Goronzy, J. J., Boyd, et al
2015; 112 (2): 500-505
- **T-cell metabolism in autoimmune disease.** *Arthritis research & therapy*
Yang, Z., Matteson, E. L., Goronzy, J. J., Weyand, C. M.
2015; 17: 29-?

- **Giant-Cell Arteritis and Polymyalgia Rheumatica Reply** *NEW ENGLAND JOURNAL OF MEDICINE*
Weyand, C. M., Goronzy, J. J.
2014; 371 (17): 1653
- **Giant-cell arteritis and polymyalgia rheumatica.** *New England journal of medicine*
Weyand, C. M., Goronzy, J. J.
2014; 371 (17): 1653-?
- **Depletion of Reactive Oxygen Species Biases T Cells to Proinflammatory Cytokine Production in Rheumatoid Arthritis**
Yang, Z., Matteson, E. L., Goronzy, J. J., Weyand, C. M.
WILEY-BLACKWELL.2014: S765
- **Distinct Profiles of Proinflammatory Macrophages in Rheumatoid Arthritis and Coronary Artery Disease.**
Shirai, T., Matteson, E. L., Harrison, D. G., Wallis, B. B., Assimes, T. L., Goronzy, J. J., Weyand, C. M.
WILEY-BLACKWELL.2014: S187
- **T cell-macrophage interactions and granuloma formation in vasculitis** *FRONTIERS IN IMMUNOLOGY*
Hilhorst, M., Shirai, T., Berry, G., Goronzy, J. J., Weyand, C. M.
2014; 5: 1-14
- **Diversity and clonal selection in the human T-cell repertoire** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Qi, Q., Liu, Y., Cheng, Y., Glanville, J., Zhang, D., Lee, J., Olshen, R. A., Weyand, C. M., Boyd, S. D., Goronzy, J. J.
2014; 111 (36): 13139-13144
- **Diversity and clonal selection in the human T-cell repertoire.** *Proceedings of the National Academy of Sciences of the United States of America*
Qi, Q., Liu, Y., Cheng, Y., Glanville, J., Zhang, D., Lee, J., Olshen, R. A., Weyand, C. M., Boyd, S. D., Goronzy, J. J.
2014; 111 (36): 13139-13144
- **Giant-Cell Arteritis and Polymyalgia Rheumatica** *NEW ENGLAND JOURNAL OF MEDICINE*
Weyand, C. M., Goronzy, J. J.
2014; 371 (1): 50-57
- **Clinical practice. Giant-cell arteritis and polymyalgia rheumatica.** *New England journal of medicine*
Weyand, C. M., Goronzy, J. J.
2014; 371 (1): 50-57
- **Mechanisms shaping the naïve T cell repertoire in the elderly - Thymic involution or peripheral homeostatic proliferation?** *Experimental gerontology*
Qi, Q., Zhang, D. W., Weyand, C. M., Goronzy, J. J.
2014; 54: 71-74
- **A population biological approach to understanding the maintenance and loss of the T-cell repertoire during aging** *IMMUNOLOGY*
Johnson, P. F., Goronzy, J. J., Antia, R.
2014; 142 (2): 167-75
- **Targets of Immune Regeneration in Rheumatoid Arthritis** *MAYO CLINIC PROCEEDINGS*
Hohensinner, P. J., Goronzy, J. J., Weyand, C. M.
2014; 89 (4): 563-575
- **The glycolytic enzyme PFKFB3/phosphofructokinase regulates autophagy.** *Autophagy*
Yang, Z., Goronzy, J. J., Weyand, C. M.
2014; 10 (2): 382-383
- **Regulatory T Cells and the Immune Aging Process: A Mini-Review** *GERONTOLOGY*
Jagger, A., Shimojima, Y., Goronzy, J. J., Weyand, C. M.
2014; 60 (2): 130-137
- **T cell-macrophage interactions and granuloma formation in vasculitis.** *Frontiers in immunology*
Hilhorst, M., Shirai, T., Berry, G., Goronzy, J. J., Weyand, C. M.
2014; 5: 432-?

- **T-cell aging in rheumatoid arthritis** *CURRENT OPINION IN RHEUMATOLOGY*
Weyand, C. M., Yang, Z., Goronzy, J. J.
2014; 26 (1): 93-100
- **Immune mechanisms in medium and large-vessel vasculitis** *NATURE REVIEWS RHEUMATOLOGY*
Weyand, C. M., Goronzy, J. J.
2013; 9 (12): 731-740
- **The STAT1 Signaling Pathway In Giant Cell Arteritis**
Hartmann, B., Liao, J., Weisman, M. H., Warrington, K. J., Goronzy, J. J., Weyand, C. M.
WILEY-BLACKWELL.2013: S716
- **Deficiency Of The Protein Kinase Ataxia Telangiectasia Mutated Accelerates T Cell Aging In Rheumatoid Arthritis**
Yang, Z., Fujii, H., Matteson, E. L., Goronzy, J. J., Weyand, C. M.
WILEY-BLACKWELL.2013: S1158
- **Phosphofructokinase deficiency impairs ATP generation, autophagy, and redox balance in rheumatoid arthritis T cells.** *journal of experimental medicine*
Yang, Z., Fujii, H., Mohan, S. V., Goronzy, J. J., Weyand, C. M.
2013; 210 (10): 2119-2134
- **The Gracefully Aging Immune System** *SCIENCE TRANSLATIONAL MEDICINE*
Boraschi, D., Aguado, M., Dutel, C., Goronzy, J., Louis, J., Grubeck-Loebenstein, B., Rappuoli, R., Del Giudice, G.
2013; 5 (185): 185ps8
- **Understanding immunosenescence to improve responses to vaccines** *NATURE IMMUNOLOGY*
Goronzy, J. J., Weyand, C. M.
2013; 14 (5): 428-436
- **IL-7-and IL-15-Mediated TCR Sensitization Enables T Cell Responses to Self-Antigens** *JOURNAL OF IMMUNOLOGY*
Deshpande, P., Cavanagh, M. M., Le Saux, S., Singh, K., Weyand, C. M., Goronzy, J. J.
2013; 190 (4): 1416-1423
- **The janus head of T cell aging - autoimmunity and immunodeficiency.** *Frontiers in immunology*
Goronzy, J. J., Li, G., Yang, Z., Weyand, C. M.
2013; 4: 131-?
- **The Janus head of T cell aging - autoimmunity and immunodeficiency** *FRONTIERS IN IMMUNOLOGY*
Goronzy, J. J., Li, G., Yang, Z., Weyand, C. M.
2013; 4
- **Systems Biology of Vaccination in the Elderly** *SYSTEMS BIOLOGY*
Duraisingham, S. S., Rouphael, N., Cavanagh, M. M., Nakaya, H. I., Goronzy, J. J., Pulendran, B.
2013; 363: 117-142
- **Peripheral selection rather than thymic involution explains sudden contraction in naive CD4 T-cell diversity with age** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Johnson, P. F., Yates, A. J., Goronzy, J. J., Antia, R.
2012; 109 (52): 21432-37
- **Signaling pathways in aged T cells - A reflection of T cell differentiation, cell senescence and host environment** *SEMINARS IN IMMUNOLOGY*
Goronzy, J. J., Li, G., Yu, M., Weyand, C. M.
2012; 24 (5): 365-372
- **Metabolic Reprogramming of Autoimmune T Cells in Rheumatoid Arthritis** *Annual Scientific Meeting of the American-College-of-Rheumatology (ACR) and Association-of-Rheumatology-Health-Professionals (ARHP)*
Yang, Z., Fujii, H., Mohan, S., Goronzy, J. J., Weyand, C. M.
WILEY-BLACKWELL.2012: S1130-S1131
- **Impairment of the Inhibitory PD-1-PD-L1 Axis in Giant Cell Arteritis (GCA)** *Annual Scientific Meeting of the American-College-of-Rheumatology (ACR) and Association-of-Rheumatology-Health-Professionals (ARHP)*

Nasrallah, M., Vaglio, A., Mohan, S., Hartmann, B., Liao, J., Warrington, K. J., Goronzy, J. J., Weyand, C. M.
WILEY-BLACKWELL.2012: S374-S374

- **Decline in miR-181a expression with age impairs T cell receptor sensitivity by increasing DUSP6 activity** *NATURE MEDICINE*
Li, G., Yu, M., Lee, W., Tsang, M., Krishnan, E., Weyand, C. M., Goronzy, J. J.
2012; 18 (10): 1518-U113
- **The Immunopathology of Giant Cell Arteritis: Diagnostic and Therapeutic Implications** *JOURNAL OF NEURO-OPTHALMOLOGY*
Weyand, C. M., Liao, Y. J., Goronzy, J. J.
2012; 32 (3): 259-265
- **CD8(+) CD45RA(+) CCR7(+) FOXP3(+) T Cells with Immunosuppressive Properties: A Novel Subset of Inducible Human Regulatory T Cells** *JOURNAL OF IMMUNOLOGY*
Suzuki, M., Jagger, A. L., Konya, C., Shimojima, Y., Pryshchev, S., Goronzy, J. J., Weyand, C. M.
2012; 189 (5): 2118-2130
- **Chronic inflammation and aging: DNA damage tips the balance** *CURRENT OPINION IN IMMUNOLOGY*
Cavanagh, M. M., Weyand, C. M., Goronzy, J. J.
2012; 24 (4): 488-493
- **HIV and Aging: State of Knowledge and Areas of Critical Need for Research. A Report to the NIH Office of AIDS Research by the HIV and Aging Working Group** *JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES*
High, K. P., Brennan-Ing, M., Clifford, D. B., Cohen, M. H., Currier, J., Deeks, S. G., Deren, S., Effros, R. B., Gebo, K., Goronzy, J. J., Justice, A. C., Landay, A., Levin, et al
2012; 60: S1-S18
- **K-RAS GTPase- and B-RAF kinase-mediated T-cell tolerance defects in rheumatoid arthritis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Singh, K., Deshpande, P., Li, G., Yu, M., Pryshchev, S., Cavanagh, M., Weyand, C. M., Goronzy, J. J.
2012; 109 (25): E1629-E1637
- **Immune aging and autoimmunity** *CELLULAR AND MOLECULAR LIFE SCIENCES*
Goronzy, J. J., Weyand, C. M.
2012; 69 (10): 1615-1623
- **Signal inhibition by the dual-specific phosphatase 4 impairs T cell-dependent B-cell responses with age** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Yu, M., Li, G., Lee, W., Yuan, M., Cui, D., Weyand, C., Goronzy, J. J.
2012; 109 (15): E879-E888
- **Dampened ERK signaling in hematopoietic progenitor cells in rheumatoid arthritis** *CLINICAL IMMUNOLOGY*
Colmegna, I., Pryshchev, S., Oishi, H., Goronzy, J. J., Weyand, C. M.
2012; 143 (1): 73-82
- **Mechanisms of immunosenescence: lessons from models of accelerated immune aging** *YEAR IN IMMUNOLOGY*
Le Saux, S., Weyand, C. M., Goronzy, J. J.
2012; 1247: 69-82
- **Telomere dysfunction, autoimmunity and aging.** *Aging and disease*
Hohensinner, P. J., Goronzy, J. J., Weyand, C. M.
2011; 2 (6): 524-537
- **Telomere Dysfunction, Autoimmunity and Aging** *AGING AND DISEASE*
Hohensinner, P. J., Goronzy, J. J., Weyand, C. M.
2011; 2 (6): 524-537
- **Finding Balance: T cell Regulatory Receptor Expression during Aging.** *Aging and disease*
Cavanagh, M. M., Qi, Q., Weyand, C. M., Goronzy, J. J.
2011; 2 (5): 398-413
- **Finding Balance: T cell Regulatory Receptor Expression during Aging** *AGING AND DISEASE*

Cavanagh, M. M., Qi, Q., Weyand, C. M., Goronzy, J. J.
2011; 2 (5): 398-413

● **Magnetic Resonance Angiography in Extracranial Giant Cell Arteritis** *JCR-JOURNAL OF CLINICAL RHEUMATOLOGY*

Koenigkam-Santos, M., Sharma, P., Kalb, B., Oshinski, J. N., Weyand, C. M., Goronzy, J. J., Martin, D. R.
2011; 17 (6): 306-310

● **Role of Increased Guanosine Triphosphate Cyclohydrolase-1 Expression and Tetrahydrobiopterin Levels upon T Cell Activation** *JOURNAL OF BIOLOGICAL CHEMISTRY*

Chen, W., Li, L., Brod, T., Saeed, O., Thabet, S., Jansen, T., Dikalov, S., Weyand, C., Goronzy, J., Harrison, D. G.
2011; 286 (16): 13846-13851

● **Regulation of T cell receptor signaling by activation-induced zinc influx** *JOURNAL OF EXPERIMENTAL MEDICINE*

Yu, M., Lee, W., Tomar, D., Pryshchev, S., Czesnikiewicz-Guzik, M., Lamar, D. L., Li, G., Singh, K., Tian, L., Weyand, C. M., Goronzy, J. J.
2011; 208 (4): 775-785

● **TCR tuning by homeostatic cytokines - implication for autoimmunity**

Deshpande, P., Singh, K., Weyand, C., Goronzy, J.
AMER ASSOC IMMUNOLOGISTS.2011

● **Mechanisms of defective T cell-dependent B cell responses with age**

Yu, M., Li, G., Lee, W., Yuan, M., Weyand, C., Goronzy, J.
AMER ASSOC IMMUNOLOGISTS.2011

● **Regulation of T-cell receptor signaling by activation-induced zinc influx**

Lee, W., Yu, M., Tomar, D., Li, G., Czesnikiewicz-Guzik, M., Pryshchev, S., Lamar, D., Singh, K., Weyand, C., Goronzy, J.
AMER ASSOC IMMUNOLOGISTS.2011

● **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

● **Giant cell arteritis: immune and vascular aging as disease risk factors** *ARTHRITIS RESEARCH & THERAPY*

Mohan, S. V., Liao, Y. J., Kim, J. W., Goronzy, J. J., Weyand, C. M.
2011; 13 (4)

● **Report from the second cytomegalovirus and immunosenescence workshop** *IMMUNITY & AGEING*

Wills, M., Akbar, A., Beswick, M., Bosch, J. A., Caruso, C., Colonna-Romano, G., Dutta, A., Franceschi, C., Fulop, T., Gkrania-Klotsas, E., Goronzy, J., Griffiths, S. J., Henson, et al
2011; 8

● **IFN-gamma and IL-17: the two faces of T-cell pathology in giant cell arteritis** *CURRENT OPINION IN RHEUMATOLOGY*

Weyand, C. M., Younge, B. R., Goronzy, J. J.
2011; 23 (1): 43-49

● **Report from the second cytomegalovirus and immunosenescence workshop. Immunity & ageing : I & A**

Wills, M., Akbar, A., Beswick, M., Bosch, J. A., Caruso, C., Colonna-Romano, G., Dutta, A., Franceschi, C., Fulop, T., Gkrania-Klotsas, E., Goronzy, J., Griffiths, S. J., Henson, et al
2011; 8 (1): 10-?

● **Inhibition and Genetic Ablation of the B7/CD28 T-Cell Costimulation Axis Prevents Experimental Hypertension** *CIRCULATION*

Vinh, A., Chen, W., Blinder, Y., Weiss, D., Taylor, W. R., Goronzy, J. J., Weyand, C. M., Harrison, D. G., Guzik, T. J.
2010; 122 (24): 2529-2537

● **Th17 Cells in Takayasu Arteritis** *Scientific Sessions on Arteriosclerosis, Thrombosis and Vascular Biology*

Deng, J., Younge, B. R., Goronzy, J., Weyand, C. M.
LIPPINCOTT WILLIAMS & WILKINS.2010: E198-E198

● **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

- **Immune senescence** *CURRENT OPINION IN IMMUNOLOGY*
Aspinall, R., Goronzy, J. J.
2010; 22 (4): 497-499
- **Immune Aging and Rheumatoid Arthritis** *RHEUMATIC DISEASE CLINICS OF NORTH AMERICA*
Goronzy, J. J., Shao, L., Weyand, C. M.
2010; 36 (2): 297-?
- **Promoter choice and translational repression determine cell type-specific cell surface density of the inhibitory receptor CD85j expressed on different hematopoietic lineages** *BLOOD*
Lamar, D. L., Weyand, C. M., Goronzy, J. J.
2010; 115 (16): 3278-3286
- **Chronic Stimulation of the DNA Repair Enzyme DNA-PKcs Impairs T-Cell Survival in Rheumatoid Arthritis (RA)**
Shao, L., Goronzy, J., Weyand, C.
AMER ASSOC IMMUNOLOGISTS.2010
- **Loss of miR-181a-mediated DUSP6 repression increases the TCR threshold of naive CD4 T cells in the elderly**
Li, G., Yu, M., Lee, W., Weyand, C., Goronzy, J.
AMER ASSOC IMMUNOLOGISTS.2010
- **Insufficient Deactivation of the Protein Tyrosine Kinase Lck Amplifies T-Cell Responsiveness in Acute Coronary Syndrome** *CIRCULATION RESEARCH*
Pryshchep, S., Goronzy, J. J., Parashar, S., Weyand, C. M.
2010; 106 (4): 769-U269
- **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
- **Telomeres and Immunological Diseases of Aging** *GERONTOLOGY*
Andrews, N. P., Fujii, H., Goronzy, J. J., Weyand, C. M.
2010; 56 (4): 390-403
- **ERK-Dependent T Cell Receptor Threshold Calibration in Rheumatoid Arthritis** *JOURNAL OF IMMUNOLOGY*
Singh, K., Deshpande, P., Pryshchep, S., Colmegna, I., Liarski, V., Weyand, C. M., Goronzy, J. J.
2009; 183 (12): 8258-8267
- **Epigenetic regulation of killer immunoglobulin-like receptor expression in T cells** *BLOOD*
Li, G., Yu, M., Weyand, C. M., Goronzy, J. J.
2009; 114 (16): 3422-3430
- **Rejuvenating the immune system in rheumatoid arthritis** *NATURE REVIEWS RHEUMATOLOGY*
Weyand, C. M., Fujii, H., Shao, L., Goronzy, J. J.
2009; 5 (10): 583-588
- **Treating autoimmune disease by targeting CD8(+) T suppressor cells** *EXPERT OPINION ON BIOLOGICAL THERAPY*
Konya, C., Goronzy, J. J., Weyand, C. M.
2009; 9 (8): 951-965
- **CD28(-) T cells: their role in the age-associated decline of immune function** *TRENDS IN IMMUNOLOGY*
Weng, N., Akbar, A. N., Goronzy, J.
2009; 30 (7): 306-312
- **Altered naive and memory CD4+T-cell homeostasis and immunosenescence characterize younger patients with myelodysplastic syndrome** *LEUKEMIA*
Zou, J. X., Rollison, D. E., Boulware, D., Chen, D., Sloand, E. M., Pfannes, L. V., Goronzy, J. J., Bai, F., Painter, J. S., Wei, S., Cosgrove, D., List, A. F., Epling-Burnette, et al
2009; 23 (7): 1288-1296
- **Deficiency of the DNA repair enzyme ATM in rheumatoid arthritis** *JOURNAL OF EXPERIMENTAL MEDICINE*
Shao, L., Fujii, H., Colmegna, I., Oishi, H., Goronzy, J. J., Weyand, C. M.

2009; 206 (6): 1435-1449

● **Telomerase insufficiency in rheumatoid arthritis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Fujii, H., Shao, L., Colmegna, I., Goronzy, J. J., Weyand, C. M.

2009; 106 (11): 4360-4365

● **Pathogenesis of medium- and large-vessel vasculitis** *ZEITSCHRIFT FUR RHEUMATOLOGIE*

Weyand, C. M., Goronzy, J. J.

2009; 68 (2): 100-?

● **Toll-Like Receptors 4 and 5 Induce Distinct Types of Vasculitis** *CIRCULATION RESEARCH*

Deng, J., Ma-Krupa, W., Gewirtz, A. T., Younge, B. R., Goronzy, J. J., Weyand, C. M.

2009; 104 (4): 488-U139

● **Vascular damage in giant cell arteritis** *AUTOIMMUNITY*

Piggott, K., Bioussse, V., Newman, N. J., Goronzy, J. J., Weyand, C. M.

2009; 42 (7): 596-604

● **Developments in the scientific understanding of rheumatoid arthritis** *ARTHRITIS RESEARCH & THERAPY*

Goronzy, J. J., Weyand, C. M.

2009; 11 (5)

● **Age-Dependent Signature of Metallothionein Expression in Primary CD4 T Cell Responses Is Due to Sustained Zinc Signaling** *REJUVENATION RESEARCH*

Lee, W., Cui, D., Czesnikiewicz-Guzik, M., Vencio, R. Z., Shmulevich, I., Aderem, A., Weyand, C. M., Goronzy, J. J.

2008; 11 (6): 1001-1011

● **Inhibitory CD8(+) T cells in autoimmune disease** *HUMAN IMMUNOLOGY*

Suzuki, M., Konya, C., Goronzy, J. J., Weyand, C. M.

2008; 69 (11): 781-789

● **Is hypertension an immunologic disease?** *Current cardiology reports*

Harrison, D. G., Guzik, T. J., Goronzy, J., Weyand, C.

2008; 10 (6): 464-469

● **T-cell co-stimulatory pathways in autoimmunity** *ARTHRITIS RESEARCH & THERAPY*

Goronzy, J. J., Weyand, C. M.

2008; 10

● **T cells in arteritis and atherosclerosis** *CURRENT OPINION IN LIPIDOLOGY*

Weyand, C. M., Younge, B. R., Goronzy, J. J.

2008; 19 (5): 469-477

● **Vessel-specific Toll-like receptor profiles in human medium and large arteries** *CIRCULATION*

Pryshchep, O., Ma-Krupa, W., Younge, B. R., Goronzy, J. J., Weyand, C. M.

2008; 118 (12): 1276-1284

● **Epigenetic mechanisms of age-dependent KIR2DL4 expression in T cells** *JOURNAL OF LEUKOCYTE BIOLOGY*

Li, G., Weyand, C. M., Goronzy, J. J.

2008; 84 (3): 824-834

● **T cell subset-specific susceptibility to aging** *CLINICAL IMMUNOLOGY*

Czesnikiewicz-Guzik, M., Lee, W., Cui, D., Hiruma, Y., Lamar, D. L., Yang, Z., Ouslander, J. G., Weyand, C. M., Goronzy, J. J.

2008; 127 (1): 107-118

● **TLR-mediated induction of negative regulatory ligands on dendritic cells** *JOURNAL OF MOLECULAR MEDICINE-JMM*

Groschel, S., Piggott, K. D., Vaglio, A., Ma-Krupa, W., Singh, K., Goronzy, J. J., Weyand, C. M.

2008; 86 (4): 443-455

● **Defective proliferative capacity and accelerated telomeric loss of hematopoietic progenitor cells in rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*

Colmegna, I., Diaz-Borjon, A., Fujii, H., Schaefer, L., Goronzy, J. J., Weyand, C. M.

2008; 58 (4): 990-1000

- **Vessel wall-embedded dendritic cells induce T-Cell autoreactivity and initiate vascular inflammation** *CIRCULATION RESEARCH*
Han, J. W., Shimada, K., Ma-Krupa, W., Johnson, T. L., Nerem, R. M., Goronzy, J. J., Weyand, C. M.
2008; 102 (5): 546-553
- **Synoviocyte stimulation by the LFA-1-intercellular adhesion molecule-2-Ezrin-Akt pathway in rheumatoid arthritis** *JOURNAL OF IMMUNOLOGY*
Singh, K., Colmegna, I., He, X., Weyand, C. M., Goronzy, J. J.
2008; 180 (3): 1971-1978
- **Synergistic proinflammatory effects of the antiviral cytokine interferon-alpha and toll-like receptor 4 ligands in the atherosclerotic plaque** *CIRCULATION*
Niessner, A., Shin, M. S., Pryshchep, O., Goronzy, J. J., Chaikof, E. L., Weyand, C. M.
2007; 116 (18): 2043-2052
- **Fractalkine mediates T cell-dependent proliferation of synovial fibroblasts in rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*
Sawai, H., Park, Y. W., He, X., Goronzy, J. J., Weyand, C. M.
2007; 56 (10): 3215-3225
- **Role of the T cell in the genesis of angiotensin II-induced hypertension and vascular dysfunction** *JOURNAL OF EXPERIMENTAL MEDICINE*
Guzik, T. J., Hoch, N. E., Brown, K. A., McCann, L. A., Rahman, A., Dikalov, S., Goronzy, J., Weyand, C., Harrison, D. G.
2007; 204 (10): 2449-2460
- **Unchecked CD70 expression on T cells lowers threshold for T cell activation in rheumatoid arthritis** *JOURNAL OF IMMUNOLOGY*
Lee, W., Yang, Z., Li, G., Weyand, C. A., Goronzy, J. J.
2007; 179 (4): 2609-2615
- **Aging and T-cell diversity** *1st European Congress of Aging Research in Immunology - Impact of Genomics*
Goronzy, J. J., Lee, W., Weyand, C. M.
PERGAMON-ELSEVIER SCIENCE LTD.2007: 400-406
- **Functional profile of activated dendritic cells in unstable atherosclerotic plaque** *BASIC RESEARCH IN CARDIOLOGY*
Erbel, C., Sato, K., Meyer, F. B., Kopecky, S. L., Frye, R. L., Goronzy, J. J., Weyand, C. M.
2007; 102 (2): 123-132
- **Occurrence of giant cell arteritis...suddenly.** *Transactions of the American Ophthalmological Society*
Younge, B. R., Weyand, C. M., Goronzy, J. J.
2007; 105: 141-144
- **Immune-mediated mechanisms in atherosclerosis: Prevention and treatment of clinical manifestations** *CURRENT PHARMACEUTICAL DESIGN*
Niessner, A., Goronzy, J. J., Weyand, C. M.
2007; 13 (36): 3701-3710
- **Pathogen-sensing plasmacytoid dendritic cells stimulate cytotoxic T-cell function in the atherosclerotic plaque through interferon-alpha** *CIRCULATION*
Niessner, A., Sato, K., Chaikof, E. L., Colmegna, I., Goronzy, J. J., Weyand, C. M.
2006; 114 (23): 2482-2489
- **Treatment of chronic inflammatory diseases with biologic agents: Opportunities and risks for the elderly** *EXPERIMENTAL GERONTOLOGY*
Diaz-Borjon, A., Weyand, C. M., Goronzy, J. J.
2006; 41 (12): 1250-1255
- **Siravastatin suppresses endotoxin-induced upregulation of toll-like receptors 4 and 2 in vivo** *ATHEROSCLEROSIS*
Niessner, A., Steiner, S., Speidl, W. S., Pleiner, J., Seidinger, D., Maurer, G., Goronzy, J. J., Weyand, C. M., Kopp, C. W., Huber, K., Wolzt, M., Wojta, J.
2006; 189 (2): 408-413
- **Immunosuppression in atherosclerosis mobilizing the opposition within** *CIRCULATION*
Goronzy, J. J., Weyand, C. M.
2006; 114 (18): 1901-1904
- **Treatment of giant cell arteritis using induction therapy with high-dose glucocorticoids - A double-blind, placebo-controlled, randomized prospective clinical trial** *ARTHRITIS AND RHEUMATISM*
Mazlumzadeh, M., Hunder, G. G., Easley, K. A., Calamia, K. T., Matteson, E. L., Griffing, W. L., Younge, B. R., Weyand, C. M., Goronzy, J. J.

2006; 54 (10): 3310-3318

● **Association of HLA-C3 and smoking with vasculitis in patients with rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*

Turesson, C., Schaid, D. J., Weyand, C. M., Jacobsson, L. T., Goronzy, J. J., Petersson, I. F., Dechant, S. A., Nyahll-Wahlin, B., Truedsson, L., Sturfelt, G., Matteson, E. L.

2006; 54 (9): 2776-2783

● **Uncoupling of T-cell effector functions by inhibitory killer immunoglobulin-like receptors** *BLOOD*

Henel, G., Singh, K., Cui, D., Pryshchep, S., Lee, W., Weyand, C. M., Goronzy, J. J.

2006; 107 (11): 4449-4457

● **T cell recognition and killing of vascular smooth muscle cells in acute coronary syndrome** *CIRCULATION RESEARCH*

Pryshchep, S., Sato, K., Goronzy, J. J., Weyand, C. M.

2006; 98 (9): 1168-1176

● **Pathomechanisms in rheumatoid arthritis - time for a string theory?** *JOURNAL OF CLINICAL INVESTIGATION*

Weyand, C. M., Goronzy, J. J.

2006; 116 (4): 869-871

● **T-cell-targeted therapies in rheumatoid arthritis** *NATURE CLINICAL PRACTICE RHEUMATOLOGY*

Weyand, C. M., Goronzy, J. J.

2006; 2 (4): 201-210

● **Interleukin 12 induces T-cell recruitment into the atherosclerotic plaque** *CIRCULATION RESEARCH*

Zhang, X. Y., Niessner, A., Nakajima, T., Ma-Krupa, W., Kopecky, S. L., Frye, R. L., Goronzy, J. J., Weyand, C. M.

2006; 98 (4): 524-531

● **Telomeres, immune aging and autoimmunity** *EXPERIMENTAL GERONTOLOGY*

Goronzy, J. J., Fujii, H., Weyand, C. M.

2006; 41 (3): 246-251

● **Lymphoma in rheumatoid arthritis: An immune system set up for failure** *ARTHRITIS AND RHEUMATISM*

Weyand, C. M., Goronzy, J. J., Kurtin, P. J.

2006; 54 (3): 685-689

● **TRAIL-expressing T cells induce apoptosis of vascular smooth muscle cells in the atherosclerotic plaque** *JOURNAL OF EXPERIMENTAL MEDICINE*

Sato, K., Niessner, A., Kopecky, S. L., Frye, R. L., Goronzy, J. J., Weyand, C. M.

2006; 203 (1): 239-250

● **Tissue trafficking patterns of effector memory CD4+T cells in rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*

Zhang, X. Y., Nakajima, T., Goronzy, J. J., Weyand, C. M.

2005; 52 (12): 3839-3849

● **BLyS and APRIL in rheumatoid arthritis** *JOURNAL OF CLINICAL INVESTIGATION*

Seyler, T. M., Park, Y. W., Takemura, S., Bram, R. J., Kurtin, P. J., Goronzy, J. J., Weyand, C. M.

2005; 115 (11): 3083-3092

● **Modulation of CD28 expression with anti-tumor necrosis factor alpha therapy in rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*

Bryl, E., Vallejo, A. N., Matteson, E. L., Witkowski, J. M., Weyand, C. M., Goronzy, J. J.

2005; 52 (10): 2996-3003

● **T cell development and receptor diversity during aging** *CURRENT OPINION IN IMMUNOLOGY*

Goronzy, J. J., Weyand, C. M.

2005; 17 (5): 468-475

● **Lipopolysaccharide, CD14 and Toll-like receptors: an emerging link between innate immunity and atherosclerotic disease.** *Future cardiology*

Shimada, K., Daida, H., Ma-Krupa, W., Goronzy, J. J., Weyand, C. M.

2005; 1 (5): 657-674

● **Distinct transcriptional control mechanisms of killer immunoglobulin-like receptors in natural killer (NK) and in T cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*

- Xu, J., Vallejo, A. N., Jiang, Y., Weyand, C. M., Goronzy, J. J.
2005; 280 (25): 24277-24285
- **Cell-based immunotherapy with suppressor CD8(+) T cells in rheumatoid arthritis** *JOURNAL OF IMMUNOLOGY*
Davila, E., Kang, Y. M., Park, Y. W., Sawai, H., He, X. W., Pryshchep, S., Goronzy, J. J., Weyand, C. M.
2005; 174 (11): 7292-7301
 - **B cells as a therapeutic target in autoimmune diseases** *EXPERT OPINION ON THERAPEUTIC TARGETS*
Park, Y. W., Pryshchep, S., Seyler, T. M., Goronzy, J. J., Weyand, C. M.
2005; 9 (3): 431-445
 - **The influence of age on T cell generation and TCR diversity** *JOURNAL OF IMMUNOLOGY*
Naylor, K., Li, G. J., Vallejo, A. N., Lee, W. W., Koetz, K., Bryl, E., Witkowski, J., Fulbright, J., Weyand, C. M., Goronzy, J. J.
2005; 174 (11): 7446-7452
 - **B cells in rheumatoid synovitis** *ARTHRITIS RESEARCH & THERAPY*
Weyand, C. M., Seyler, T., Goronzy, J. J.
2005; 7: S9-S12
 - **T cell costimulation by fractalkine-expressing synoviocytes in rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*
Sawai, H., Park, Y. W., Roberson, J., Imai, T., Goronzy, J. J., Weyand, C. A.
2005; 52 (5): 1392-1401
 - **Rheumatoid arthritis** *IMMUNOLOGICAL REVIEWS*
Goronzy, J. J., Weyand, C. M.
2005; 204: 55-73
 - **Toll-like receptors in giant cell arteritis** *12th Annual International Congress of Immunology/4th Annual Conference of the Federation-of-Clinical-Immunology-Societies (FOCIS)*
Wei, M. K., Kwan, M., Goronzy, J. J., Weyand, C. M.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2005: 38-46
 - **The impact of HLA-DRB1 genes on extra-articular disease manifestations in rheumatoid arthritis** *ARTHRITIS RESEARCH & THERAPY*
Turesson, C., Schaid, D. J., Weyand, C. M., Jacobsson, L. T., Goronzy, J. J., Petersson, I. F., Sturfelt, G., Nyhall-Wahlin, B. M., Truedsson, L., Dechant, S. A., Matteson, E. L.
2005; 7 (6): R1386-R1393
 - **Costimulatory pathways in rheumatoid synovitis and T-cell senescence** *Conference on Human Immunology*
Goronzy, J. J., Henel, G., Sawai, H., Singh, K., Lee, E. B., Pryshchep, S., Weyand, C. M.
NEW YORK ACAD SCIENCES.2005: 182-194
 - **Rheumatoid arthritis is an independent risk factor for multi-vessel coronary artery disease: a case control study** *ARTHRITIS RESEARCH & THERAPY*
Warrington, K. J., Kent, P. D., Frye, R. L., Lymp, J. F., Kopecky, S. L., Goronzy, J. J., Weyand, C. M.
2005; 7 (5): R984-R991
 - **Vascular dendritic cells in giant cell arteritis** *Conference on Human Immunology*
Weyand, C. M., Ma-Krupa, W., Pryshchep, O., Groschel, S., Bernardino, R., Goronzy, J. J.
NEW YORK ACAD SCIENCES.2005: 195-208
 - **Thrombospondin 2 functions as an endogenous regulator of angiogenesis and inflammation in rheumatoid arthritis** *AMERICAN JOURNAL OF PATHOLOGY*
Park, Y. W., Kang, Y. M., Butterfield, J., Detmar, M., Goronzy, J. J., Weyand, C. M.
2004; 165 (6): 2087-2098
 - **Stimulatory killer Ig-like receptors modulate T cell activation through DAP12-dependent and DAP12-independent mechanisms** *JOURNAL OF IMMUNOLOGY*
Snyder, M. R., Nakajima, T., Leibson, P. J., Weyand, C. M., Goronzy, J. J.
2004; 173 (6): 3725-3731
 - **Stem cell aging and autoimmunity in rheumatoid arthritis** *TRENDS IN MOLECULAR MEDICINE*
Weyand, C. M., Goronzy, J. R.

2004; 10 (9): 426-433

● **VEGF gene polymorphisms and susceptibility to rheumatoid arthritis** *RHEUMATOLOGY*

Han, S. W., Kim, G. W., Seo, J. S., Kim, S. J., Sa, K. H., Park, J. Y., Lee, J., Kim, S. Y., Goronzy, J. J., Weyand, C. M., Kang, Y. M.
2004; 43 (9): 1173-1177

● **Tumor necrosis factor-alpha and CD80 modulate CD28 expression through a similar mechanism of T-cell receptor-independent inhibition of transcription** *JOURNAL OF BIOLOGICAL CHEMISTRY*

LEWIS, D. E., Merched-Sauvage, M., Goronzy, J. J., Weyand, C. M., Vallejo, A. N.
2004; 279 (28): 29130-29138

● **Lymphotxin beta-mediated stimulation of synoviocytes in rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*

Braun, A., Takemura, S., Vallejo, A. N., Goronzy, J. J., Weyand, C. M.
2004; 50 (7): 2140-2150

● **How aggressive should initial therapy for rheumatoid arthritis be? Factors associated with response to 'non-aggressive' DMARD treatment and perspective from a 2-yr open label trial** *RHEUMATOLOGY*

Matteson, E. L., Weyand, C. M., Fulbright, J. W., Christianson, T. J., McClelland, R. L., Goronzy, J. J.
2004; 43 (5): 619-625

● **T-cell regulation in rheumatoid arthritis** *CURRENT OPINION IN RHEUMATOLOGY*

Goronzy, J. J., Weyand, C. M.
2004; 16 (3): 212-217

● **T-cell senescence: a culprit of immune abnormalities in chronic inflammation and persistent infection** *TRENDS IN MOLECULAR MEDICINE*

Vallejo, A. N., Weyand, C. M., Goronzy, J. J.
2004; 10 (3): 119-124

● **Biology of T lymphocytes** *RHEUMATIC DISEASE CLINICS OF NORTH AMERICA*

Vallejo, A. N., Davila, E., Weyand, C. M., Goronzy, J. J.
2004; 30 (1): 135-?

● **Activation of arterial wall dendritic cells and breakdown of self-tolerance in giant cell arteritis** *JOURNAL OF EXPERIMENTAL MEDICINE*

Ma-Krupa, W., Jeon, M. S., Spoerl, S., Tedder, T. E., Goronzy, J. J., Weyand, C. M.
2004; 199 (2): 173-183

● **The double life of NK receptors: stimulation or co-stimulation?** *TRENDS IN IMMUNOLOGY*

Snyder, M. R., Weyand, C. M., Goronzy, J. J.
2004; 25 (1): 25-32

● **Prognostic markers of radiographic progression in early rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*

Goronzy, J. J., Matteson, E. L., Fulbright, J. W., Warrington, K. J., Chang-Miller, A., Hunder, G. G., Mason, T. G., Nelson, A. M., Valente, R. M., Crowson, C. S., Erlich, H. A., Reynolds, R. L., Swee, et al
2004; 50 (1): 43-54

● **HLA-DRB1 haplotype did not affect the medium-term results of total knee arthroplasty in patients with rheumatoid arthritis.** *Modern rheumatology*

Takemura, S., Toda, Y., Goronzy, J. J., Weyand, C. M., Ogawa, R., Iida, H.
2004; 14 (1): 37-42

● **Immunopathways in giant cell arteritis and polymyalgia rheumatica** *AUTOIMMUNITY REVIEWS*

Weyand, C. M., Ma-Krupa, W., Goronzy, J. J.
2004; 3 (1): 46-53

● **Premature telomeric loss in rheumatoid arthritis is genetically determined and involves both myeloid and lymphoid cell lineages** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Schonland, S. O., Lopez, C., Widmann, T., Zimmer, J., Bryl, E., Goronzy, J. J., Weyand, C. M.
2003; 100 (23): 13471-13476

● **Giant-cell arteritis and polymyalgia rheumatica** *ANNALS OF INTERNAL MEDICINE*

Weyand, C. M., Goronzy, J. J.
2003; 139 (6): 505-515

- **Synoviocyte-mediated expansion of inflammatory T cells in rheumatoid synovitis is dependent on CD47-thrombospondin 1 interaction** *JOURNAL OF IMMUNOLOGY*
Vallejo, A. N., Yang, H. Y., Klimiuk, P. A., Weyand, C. M., Goronzy, J. J.
2003; 171 (4): 1732-1740
- **Homeostatic control of T-cell generation in neonates** *BLOOD*
Schonland, S. O., Zimmer, J. K., Lopez-Benitez, C. M., Widmann, T., Ramin, K. D., Goronzy, J. J., Weyand, C. M.
2003; 102 (4): 1428-1434
- **Immunosenescence, autoimmunity, and rheumatoid arthritis** *EXPERIMENTAL GERONTOLOGY*
Weyand, C. M., Fulbright, J. W., Goronzy, J. J.
2003; 38 (8): 833-841
- **De novo expression of killer immunoglobulin-like receptors and signaling proteins regulates the cytotoxic function of CD4 T cells in acute coronary syndromes** *CIRCULATION RESEARCH*
Nakajima, T., Goek, O., Zhang, X. Y., Kopecky, S. L., Frye, R. L., Goronzy, J. J., Weyand, C. M.
2003; 93 (2): 106-113
- **Medium- and large-vessel vasculitis.** *New England journal of medicine*
Weyand, C. M., Goronzy, J. J.
2003; 349 (2): 160-169
- **Mechanisms of disease: Medium- and large-vessel vasculitis** *NEW ENGLAND JOURNAL OF MEDICINE*
Weyand, C. M., Goronzy, J. J.
2003; 349 (2): 160-169
- **The power of the third dimension: tissue architecture and autoimmunity in rheumatoid arthritis** *CURRENT OPINION IN RHEUMATOLOGY*
Weyand, C. M., Kang, Y. M., Kurtin, P. J., Goronzy, J. J.
2003; 15 (3): 259-266
- **CD28 loss in senescent CD4+ T cells: reversal by interleukin-12 stimulation** *BLOOD*
Warrington, K. J., Vallejo, A. N., Weyand, C. M., Goronzy, J. J.
2003; 101 (9): 3543-3549
- **Selective activation of the c-Jun NH2-terminal protein kinase signaling pathway by stimulatory KIR in the absence of KARAP/DAP12 in CD4(+) T cells** *JOURNAL OF EXPERIMENTAL MEDICINE*
Snyder, M. R., Lucas, M., Vivier, E., Weyand, C. M., Goronzy, J. J.
2003; 197 (4): 437-449
- **Aging, autoimmunity and arthritis: T-cell senescence and contraction of T-cell repertoire diversity - catalysts of autoimmunity and chronic inflammation.** *Arthritis research & therapy*
Goronzy, J. J., Weyand, C. M.
2003; 5 (5): 225-234
- **T-cell senescence and contraction of T-cell repertoire diversity catalysts of autoimmunity and chronic inflammation** *ARTHRITIS RESEARCH & THERAPY*
Goronzy, J. J., Weyand, C. M.
2003; 5 (5): 225-234
- **Ectopic germinal center formation in rheumatoid synovitis** *Conference on Immune Mechanisms and Disease*
Weyand, C. M., Goronzy, J. J.
NEW YORK ACAD SCIENCES.2003: 140-149
- **B cells as a therapeutic target in autoimmune disease** *ARTHRITIS RESEARCH & THERAPY*
Goronzy, J. J., Weyand, C. M.
2003; 5 (3): 131-135
- **Molecular basis for the loss of CD28 expression in senescent T cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Vallejo, A. N., Bryl, E., Klarskov, K., Naylor, S., Weyand, C. M., Goronzy, J. J.
2002; 277 (49): 46940-46949

- **Trapping of misdirected dendritic cells in the granulomatous lesions of giant cell arteritis** *AMERICAN JOURNAL OF PATHOLOGY*
Krupa, W. M., Dewan, M., Jeon, M. S., Kurtin, P. J., Younge, B. R., Goronzy, J. J., Weyand, C. M.
2002; 161 (5): 1815-1823
- **Reactive nitrogen intermediates in giant cell arteritis - Selective nitration of neocapillaries** *AMERICAN JOURNAL OF PATHOLOGY*
Borkowski, A., Younge, B. R., Szweda, L., Mock, B., Bjornsson, J., Moeller, K., Goronzy, J. J., Weyand, C. M.
2002; 161 (1): 115-123
- **The Ogryzlo Day Lecture - Premature immunosenescence in rheumatoid arthritis - Presented at the University of Toronto Rheumatic Disease Unit Annual Ogryzlo Research Day, June 26, 2001 Annual Ogryzlo Research Day**
Weyand, C. M., Goronzy, J. J.
J RHEUMATOL PUBL CO.2002: 1141-46
- **CD8 T cells are required for the formation of ectopic germinal centers in rheumatoid synovitis** *JOURNAL OF EXPERIMENTAL MEDICINE*
Kang, Y. M., Zhang, X. Y., Wagner, U. G., Yang, H. Y., Beckenbaugh, R. D., Kurtin, P. J., Goronzy, J. J., Weyand, C. M.
2002; 195 (10): 1325-1336
- **Cytokines in giant-cell arteritis** *10th International Vasculitis and ANCA Workshop*
Goronzy, J. J., Weyand, C. M.
CLEVELAND CLINIC.2002: 91-94
- **Formation of the killer Ig-like receptor repertoire on CD4(+)CD28(null) T cells** *JOURNAL OF IMMUNOLOGY*
Snyder, M. R., Muegge, L. O., Offord, C., O'Fallon, W. M., Bajzer, Z., Weyand, C. M., Goronzy, J. J.
2002; 168 (8): 3839-3846
- **T-cell-mediated lysis of endothelial cells in acute coronary syndromes** *CIRCULATION*
Nakajima, T., Schulte, S., Warrington, K. J., Kopecky, S. L., Frye, R. L., Goronzy, J. J., Weyand, C. M.
2002; 105 (5): 570-575
- **Therapeutic effects of acetylsalicylic acid in giant cell arteritis** *ARTHRITIS AND RHEUMATISM*
Weyand, C. M., Kaiser, M., Yang, H. Y., Younge, B., Goronzy, J. J.
2002; 46 (2): 457-466
- **Cytokines in giant-cell arteritis.** *Cleveland Clinic journal of medicine*
Goronzy, J. J., Weyand, C. M.
2002; 69: SII91-4
- **The pathogenesis of giant cell arteritis** *BULLETIN ON THE RHEUMATIC DISEASES*
Weyand, C. M., Goronzy, J. J.
2002; 51 (8): 1-8
- **Bi-directional modulation of T cell-dependent antibody production by prostaglandin E-2** *INTERNATIONAL IMMUNOLOGY*
He, X. W., Weyand, C. M., Goronzy, J. J., Zhong, W. Y., Stuart, J. M.
2002; 14 (1): 69-77
- **Pathogenic mechanisms in giant cell arteritis.** *Cleveland Clinic journal of medicine*
Weyand, C. M., Goronzy, J. J.
2002; 69: SII28-32
- **Value of immunological markers in predicting responsiveness to influenza vaccination in elderly individuals** *JOURNAL OF VIROLOGY*
Goronzy, J. J., Fulbright, J. W., Crowson, C. S., Poland, G. A., O'Fallon, W. M., Weyand, C. M.
2001; 75 (24): 12182-12187
- **T cell activation in rheumatoid synovium is B cell dependent** *JOURNAL OF IMMUNOLOGY*
Takemura, S., Klimiuk, P. A., Braun, A., Goronzy, J. J., Weyand, C. M.
2001; 167 (8): 4710-4718
- **T-cell immunity in acute coronary syndromes** *MAYO CLINIC PROCEEDINGS*
Weyand, C. M., Goronzy, J. J., Liuzzo, G., Kopecky, S. L., Holmes, D. R., Frye, R. L.
2001; 76 (10): 1011-1020

- **Down-regulation of CD28 expression by TNF-alpha** *JOURNAL OF IMMUNOLOGY*
Bryl, E., Vallejo, A. N., Weyand, C. M., Goronzy, J. J.
2001; 167 (6): 3231-3238
- **Ectopic lymphoid organogenesis - A fast track for autoimmunity** *AMERICAN JOURNAL OF PATHOLOGY*
Weyand, C. M., Kurtin, P. J., Goronzy, J. J.
2001; 159 (3): 787-793
- **Lymphoid neogenesis in rheumatoid synovitis** *JOURNAL OF IMMUNOLOGY*
Takemura, S., Braun, A., Crowson, C., Kurtin, P. J., Cofield, R. H., O'Fallon, W. M., Goronzy, J. J., Weyand, C. M.
2001; 167 (2): 1072-1080
- **Major histocompatibility complex class I-recognizing receptors are disease risk genes in rheumatoid arthritis** *JOURNAL OF EXPERIMENTAL MEDICINE*
Yen, J. H., Moore, B. E., Nakajima, T., SCHOLL, D., Schaid, D. J., Weyand, C. M., Goronzy, J. J.
2001; 193 (10): 1159-1167
- **Thymic function and peripheral T-cell homeostasis in rheumatoid arthritis** *TRENDS IN IMMUNOLOGY*
Goronzy, J. J., Weyand, C. M.
2001; 22 (5): 251-255
- **Molecular fingerprint of interferon-gamma signaling in unstable angina** *CIRCULATION*
Liuzzo, G., Vallejo, A. N., Kopecky, S. L., Frye, R. L., Holmes, D. R., Goronzy, J. J., Weyand, C. M.
2001; 103 (11): 1509-1514
- **Functional disruption of the CD28 gene transcriptional initiator in senescent T cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Vallejo, A. N., Weyand, C. M., Goronzy, J. Y.
2001; 276 (4): 2565-2570
- **T cell homeostasis and autoreactivity in rheumatoid arthritis.** *Current directions in autoimmunity*
Goronzy, J. J., Weyand, C. M.
2001; 3: 112-132
- **CD4+,CD28-T cells in rheumatoid arthritis patients combine features of the innate and adaptive immune systems** *ARTHRITIS AND RHEUMATISM*
Warrington, K. J., Takemura, S., Goronzy, J. J., Weyand, C. M.
2001; 44 (1): 13-20
- **Lymphoid microstructures in rheumatoid synovitis.** *Current directions in autoimmunity*
Weyand, C. M., Braun, A., Takemura, S., Goronzy, J. J.
2001; 3: 168-187
- **Clonality and longevity of CD4(+)CD28(null) T cells are associated with defects in apoptotic pathways** *JOURNAL OF IMMUNOLOGY*
Vallejo, A. N., Schirmer, M., Weyand, C. M., Goronzy, J. J.
2000; 165 (11): 6301-6307
- **Pathogenic principles in giant cell arteritis** *International Conference on Takayasu Arteritis and Buerger Disease*
Weyand, C. M., Goronzy, J. J.
ELSEVIER IRELAND LTD.2000: S9-S15
- **T cell homeostasis in patients with rheumatoid arthritis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Koetz, K., Bryl, E., Spickschen, K., O'Fallon, W. M., Goronzy, J. J., Weyand, C. M.
2000; 97 (16): 9203-?
- **Killer cell activating receptors function as costimulatory molecules on CD4(+)CD28(null) T cells clonally expanded in rheumatoid arthritis** *JOURNAL OF IMMUNOLOGY*
NAMEKAWA, T., Snyder, M. R., Yen, J. H., Goehring, B. E., Leibson, P. J., Weyand, C. M., Goronzy, J. J.
2000; 165 (2): 1138-1145
- **Monoclonal T-cell proliferation and plaque instability in acute coronary syndromes** *CIRCULATION*
Liuzzo, G., Goronzy, J. J., Yang, H. Y., Kopecky, S. L., Holmes, D. R., Frye, R. L., Weyand, C. M.

2000; 101 (25): 2883-2888

● **Treatment of giant cell arteritis - Interleukin-6 as a biologic marker of disease activity** *ARTHRITIS AND RHEUMATISM*

Weyand, C. M., Fulbright, J. W., Hunder, G. G., Evans, J. M., Goronzy, J. J.
2000; 43 (5): 1041-1048

● **Central role of thrombospondin-1 in the activation and clonal expansion of inflammatory T cells** *JOURNAL OF IMMUNOLOGY*

Vallejo, A. N., Mugge, L. O., Klimiuk, P. A., Weyand, C. M., Goronzy, J. J.
2000; 164 (6): 2947-2954

● **The role of T cells in rheumatoid arthritis.** *Archivum immunologiae et therapiae experimentalis*

Weyand, C. M., Bryl, E., Goronzy, J. J.
2000; 48 (5): 429-435

● **Association of MHC and rheumatoid arthritis HLA polymorphisms in phenotypic variants of rheumatoid arthritis** *ARTHRITIS RESEARCH*

Weyand, C. M., Goronzy, J. J.
2000; 2 (3): 212-216

● **Cell-cell interactions in synovitis - Interactions between T cells and B cells in rheumatoid arthritis** *ARTHRITIS RESEARCH*

Weyand, C. M., Goronzy, J. J., Takemura, S., Kurtin, P. J.
2000; 2 (6): 457-463

● **[Clinical and genetic heterogeneity of rheumatoid arthritis]. Postepy higieny i medycyny doswiadczałnej**

Klimiuk, P. A., Weyand, C. M., Sierakowski, S., Goronzy, J. J.
2000; 54 (6): 845-853

● **Perturbation of the T-cell repertoire in patients with unstable angina** *CIRCULATION*

Liuzzo, G., Kopecky, S. L., Frye, R. L., O'Fallon, W. M., Maseri, A., Goronzy, J. J., Weyand, C. M.
1999; 100 (21): 2135-2139

● **Formation of new vasa vasorum in vasculitis - Production of angiogenic cytokines by multinucleated giant cells** *AMERICAN JOURNAL OF PATHOLOGY*

Kaiser, M., Younge, B., Bjornsson, J., Goronzy, J. J., Weyand, C. M.
1999; 155 (3): 765-774

● **Modulation of CD28 expression: Distinct regulatory pathways during activation and replicative senescence** *JOURNAL OF IMMUNOLOGY*

Vallejo, A. N., Brandes, J. C., Weyand, C. M., Goronzy, J. J.
1999; 162 (11): 6572-6579

● **Tissue-destructive macrophages in giant cell arteritis** *CIRCULATION RESEARCH*

Rittner, H. L., Kaiser, M., Brack, A., Szweda, L. I., Goronzy, J. J., Weyand, C. M.
1999; 84 (9): 1050-1058

● **T-cell responses in rheumatoid arthritis: systemic abnormalities-local disease.** *Current opinion in rheumatology*

Weyand, C. M., Goronzy, J. J.
1999; 11 (3): 210-217

● **Arterial wall injury in giant cell arteritis** *ARTHRITIS AND RHEUMATISM*

Weyand, C. M., Goronzy, J. J.
1999; 42 (5): 844-853

● **Aberrations in the primary T-cell receptor repertoire as a predisposition for synovial inflammation in rheumatoid arthritis** *JOURNAL OF INVESTIGATIVE MEDICINE*

Yang, H. Y., Rittner, H., Weyand, C. M., Goronzy, J. J.
1999; 47 (5): 236-245

● **IL-16 as an anti-inflammatory cytokine in rheumatoid synovitis** *JOURNAL OF IMMUNOLOGY*

Klimiuk, P. A., Goronzy, J. J., Weyand, C. M.
1999; 162 (7): 4293-4299

● **Aldose reductase functions as a detoxification system for lipid peroxidation products in vasculitis** *JOURNAL OF CLINICAL INVESTIGATION*

Rittner, H. L., Hafner, V., Klimiuk, P. A., Szweda, L. I., Goronzy, J. J., Weyand, C. M.

1999; 103 (7): 1007-1013

● **Corticosteroid requirements in polymyalgia rheumatica** *ARCHIVES OF INTERNAL MEDICINE*

Weyand, C. M., Fulbright, J. W., Evans, J. M., Hunder, G. G., Goronzy, J. J.
1999; 159 (6): 577-584

● **Disease pattern in cranial and large-vessel giant cell arteritis** *ARTHRITIS AND RHEUMATISM*

Brack, A., Martinez-Taboada, V., Stanson, A., Goronzy, J. J., Weyand, C. M.
1999; 42 (2): 311-317

● **HLA polymorphisms and T cells in rheumatoid arthritis.** *International reviews of immunology*

Weyand, C. M., Goronzy, J. J.
1999; 18 (1-2): 37-59

● **Production of cytokines and metalloproteinases in rheumatoid synovitis is T cell dependent** *CLINICAL IMMUNOLOGY*

Klimiuk, P. A., Yang, H. Y., Goronzy, J. J., Weyand, C. M.
1999; 90 (1): 65-78

● **Functional subsets of CD4 T cells in rheumatoid synovitis** *ARTHRITIS AND RHEUMATISM*

NAMEKAWA, T., Wagner, U. G., Goronzy, J. J., Weyand, C. M.
1998; 41 (12): 2108-2116

● **The role of CD8(+) CD40L(+) T cells in the formation of germinal centers in rheumatoid synovitis** *JOURNAL OF IMMUNOLOGY*

Wagner, U. G., Kurtin, P. J., Wahner, A., Brackertz, M., Berry, D. J., Goronzy, J. J., Weyand, C. M.
1998; 161 (11): 6390-6397

● **Perturbation of the T cell repertoire in rheumatoid arthritis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Wagner, U. G., Koetz, K., Weyand, C. M., Goronzy, J. J.
1998; 95 (24): 14447-14452

● **Giant cell arteritis - a molecular approach to the multiple facets of the syndrome** *ANNALES DE MEDECINE INTERNE*

Weyand, C. M., Hafner, V., Kaiser, M., Goronzy, J. J.
1998; 149 (7): 420-424

● **Interferon-alpha treatment of Behcet's disease** *JOURNAL OF RHEUMATOLOGY*

O'Duffy, J. D., Calamia, K., Cohen, S., Goronzy, J. J., Herman, D., Jorizzo, J., WEYAND, C., Matteson, E.
1998; 25 (10): 1938-1944

● **Resistance to apoptosis and elevated expression of Bcl-2 in clonally expanded CD4(+)CD28(-) T cells from rheumatoid arthritis patients** *JOURNAL OF IMMUNOLOGY*

Schirmer, M., Vallejo, A. N., Weyand, C. M., Goronzy, J. J.
1998; 161 (2): 1018-1025

● **Oligoclonal T-cell proliferation and interferon-gamma production in periprosthetic inflammation** *LABORATORY INVESTIGATION*

Weyand, C. M., Geisler, A., Brack, A., Bolander, M. E., Goronzy, J. J.
1998; 78 (6): 677-685

● **Functional properties of CD4(+)CD28(-) T cells in the aging immune system** *5th EUAMBIS Congress on the Molecular Biology of Immunosenescence*

Weyand, C. M., Brandes, J. C., Schmidt, D., Fulbright, J. W., Goronzy, J. J.
ELSEVIER IRELAND LTD. 1998: 131-47

● **The influence of sex on the phenotype of rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*

Weyand, C. M., Schmidt, D., Wagner, U., Goronzy, J. J.
1998; 41 (5): 817-822

● **Aging-related deficiency of CD28 expression in CD4+ T cells is associated with the loss of gene-specific nuclear factor binding activity** *JOURNAL OF BIOLOGICAL CHEMISTRY*

Vallejo, A. N., Nestel, A. R., Schirmer, M., Weyand, C. M., Goronzy, J. J.
1998; 273 (14): 8119-8129

- **Platelet-derived growth factor, intimal hyperplasia, and ischemic complications in giant cell arteritis** *ARTHRITIS AND RHEUMATISM*
Kaiser, M., Weyand, C. M., Bjornsson, J., Goronzy, J. J.
1998; 41 (4): 623-633
- **Heterogeneity of rheumatoid arthritis: from phenotypes to genotypes** *SPRINGER SEMINARS IN IMMUNOPATHOLOGY*
Weyand, C. M., Klimiuk, P. A., Goronzy, J. J.
1998; 20 (1-2): 5-22
- **T cell receptor repertoire in rheumatoid arthritis.** *International reviews of immunology*
Goronzy, J. J., Zettl, A., Weyand, C. M.
1998; 17 (5-6): 339-363
- **Influence of antigenic experience on BJ gene segment usage in human CD4(+) T cells** *INTERNATIONAL IMMUNOLOGY*
Walser-Kuntz, D. R., Weyand, C. M., Goronzy, J. J.
1997; 9 (12): 1785-1792
- **Tissue cytokine patterns distinguish variants of rheumatoid synovitis** *AMERICAN JOURNAL OF PATHOLOGY*
Klimiuk, P. A., Goronzy, J. J., Bjornsson, J., Beckenbaugh, R. D., Weyand, C. M.
1997; 151 (5): 1311-1319
- **The molecular basis of rheumatoid arthritis** *JOURNAL OF MOLECULAR MEDICINE-JMM*
Weyand, C. M., Goronzy, J. J.
1997; 75 (11-12): 772-785
- **Giant cell vasculitis is a T cell-dependent disease** *MOLECULAR MEDICINE*
Brack, A., Geisler, A., MARTINEZTABOADA, V. M., Younge, B. R., Goronzy, J. J., Weyand, C. M.
1997; 3 (8): 530-543
- **Multiple mechanisms support oligoclonal T cell expansion in rheumatoid synovitis** *MOLECULAR MEDICINE*
Rittner, H. L., Zettl, A., Jendro, M. C., BARTZBAZZANELLA, P., Goronzy, J. J., Weyand, C. M.
1997; 3 (7): 452-465
- **Glucocorticoid-mediated repression of cytokine gene transcription in human arteritis-SCID chimeras** *JOURNAL OF CLINICAL INVESTIGATION*
Brack, A., Rittner, H. L., Younge, B. R., Kaltschmidt, C., Weyand, C. M., Goronzy, J. J.
1997; 99 (12): 2842-2850
- **Expansion of unusual CD4+ T cells in severe rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*
Martens, P. B., Goronzy, J. J., Schaid, D., Weyand, C. M.
1997; 40 (6): 1106-1114
- **Co-stimulatory pathways controlling activation and peripheral tolerance of human CD4(+)CD28(-) cells** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Park, W., Weyand, C. M., Schmidt, D., Goronzy, J. J.
1997; 27 (5): 1082-1090
- **Genetic risk factors in inflammatory abdominal aortic aneurysms: Polymorphic residue 70 in the HLA-DR B1 gene as a key genetic element** *JOURNAL OF VASCULAR SURGERY*
Rasmussen, T. E., Hallett, J. W., Metzger, R. L., Richardson, D. M., Harmsen, W. S., Goronzy, J. J., Weyand, C. M.
1997; 25 (2): 356-364
- **Disease patterns and tissue cytokine profiles in giant cell arteritis** *ARTHRITIS AND RHEUMATISM*
Weyand, C. M., TETZLAFF, N., Bjornsson, J., Brack, A., Younge, B., Goronzy, J. J.
1997; 40 (1): 19-26
- **Correlation between HLA-DR sequence polymorphisms and rheumatoid factor production** *B LYMPHOCYTES AND AUTOIMMUNITY*
Weyand, C. M., Goronzy, J. J.
1997; 815: 353-356
- **Superantigens, V-H gene polymorphism, and rheumatoid factor (RF) production** *B LYMPHOCYTES AND AUTOIMMUNITY*
Goronzy, J. J., He, X. W., Weyand, C. M.
1997; 815: 357-360

- **Multisystem interactions in the pathogenesis of vasculitis.** *Current opinion in rheumatology*
Weyand, C. M., Goronzy, J. J.
1997; 9 (1): 3-11
- **Pathogenesis of rheumatoid arthritis** *MEDICAL CLINICS OF NORTH AMERICA*
Weyand, C. M., Goronzy, J. J.
1997; 81 (1): 29-?
- **Recognition of tissue residing antigen by T cells in vasculitic lesions of giant cell arteritis** *JOURNAL OF MOLECULAR MEDICINE-JMM*
MARTINEZTABOADA, V., HUNDER, N. N., Hunder, G. G., Weyand, C. M., Goronzy, J. J.
1996; 74 (11): 695-703
- **Correlation of the topographical arrangement and the functional pattern of tissue-infiltrating macrophages in giant cell arteritis** *JOURNAL OF CLINICAL INVESTIGATION*
Weyand, C. M., Wagner, A. D., Bjornsson, J., Goronzy, J. J.
1996; 98 (7): 1642-1649
- **The pathogenic role of T lymphocytes in vasculitis** *SARCOIDOSIS VASCULITIS AND DIFFUSE LUNG DISEASES*
Weyand, C. M., Goronzy, J. J.
1996; 13 (3): 217-220
- **Increased responsiveness of rheumatoid factor-producing B cells in seronegative and seropositive rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*
He, X. W., Zhong, W. Y., McCarthy, T. G., Weyand, C. M., Goronzy, J. J.
1996; 39 (9): 1499-1506
- **The repertoire of CD4(+) CD28(-) T cells in rheumatoid arthritis** *MOLECULAR MEDICINE*
Schmidt, D., Martens, P. B., Weyand, C. M., Goronzy, J. J.
1996; 2 (5): 608-618
- **Pilot study of antithymocyte globulin in systemic sclerosis** *ARTHRITIS AND RHEUMATISM*
Matteson, E. L., Shbbee, M. I., McCarthy, T. G., Calamia, K. T., Mertz, L. E., Goronzy, J. J.
1996; 39 (7): 1132-1137
- **The inflammatory infiltrate in giant cell arteritis selects against B lymphocytes** *JOURNAL OF RHEUMATOLOGY*
MARTINEZTABOADA, V., Brack, A., Hunder, G. G., Goronzy, J. J., Weyand, C. M.
1996; 23 (6): 1011-1014
- **Oligoclonal T cell proliferation in patients with rheumatoid arthritis and their unaffected siblings** *ARTHRITIS AND RHEUMATISM*
Waase, I., Kayser, C., Carlson, P. J., Goronzy, J. J., Weyand, C. M.
1996; 39 (6): 904-913
- **Interferon-gamma-producing T cells in giant cell vasculitis represent a minority of tissue infiltrating cells and are located distant from the site of pathology** *AMERICAN JOURNAL OF PATHOLOGY*
Wagner, A. D., Bjornsson, J., Bartley, G. B., Goronzy, J. J., Weyand, C. M.
1996; 148 (6): 1925-1933
- **Clonally expanded CD8 T cells in patients with polymyalgia rheumatica and giant cell arteritis** *CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY*
MARTINEZTABOADA, V. M., Goronzy, J. J., Weyand, C. M.
1996; 79 (3): 263-270
- **CD4(+) CD7(-) CD28(-) T cells are expanded in rheumatoid arthritis and are characterized by autoreactivity** *JOURNAL OF CLINICAL INVESTIGATION*
Schmidt, D., Goronzy, J. J., Weyand, C. M.
1996; 97 (9): 2027-2037
- **T cell receptor germline gene segments and HLA haplotypes control the length of the CDR3 of human T cell receptor beta chains** *CELLULAR IMMUNOLOGY*
Kayser, C., Waase, I., Weyand, C. M., Goronzy, J. J.
1996; 168 (2): 235-242
- **T-Cell Derived Lymphokines as Regulators of Chronic Inflammation: Potential Targets for Immunomodulation?** *American journal of therapeutics*

- Goronzy, J. J., Gold, K. N., Weyand, C. M.
1996; 3 (2): 109-114
- **HLA-DRB1 molecules and antigenic experience shape the repertoire of CD4 T cells** *HUMAN IMMUNOLOGY*
WALSERKUNTZ, D. R., Weyand, C. M., Fulbright, J. W., Moore, S. B., Goronzy, J. J.
1995; 44 (4): 203-209
 - **VH3-21 B-CELLS ESCAPE FROM A STATE OF TOLERANCE IN RHEUMATOID-ARTHRITIS AND SECRETE RHEUMATOID-FACTOR** *MOLECULAR MEDICINE*
He, X. W., Goronzy, J. J., Zhong, W. Y., Xie, C. P., Weyand, C. M.
1995; 1 (7): 768-780
 - **GIANT-CELL ARTERITIS AS AN ANTIGEN-DRIVEN DISEASE** *RHEUMATIC DISEASE CLINICS OF NORTH AMERICA*
Weyand, C. M., Goronzy, J. J.
1995; 21 (4): 1027-1039
 - **EMERGENCE OF OLIGOCLONAL T-CELL POPULATIONS FOLLOWING THERAPEUTIC T-CELL DEPLETION IN RHEUMATOID-ARTHRITIS** *ARTHRITIS AND RHEUMATISM*
Jendro, M. C., Ganter, T., Matteson, E. L., Weyand, C. M., Goronzy, J. J.
1995; 38 (9): 1242-1251
 - **T-CELLS IN RHEUMATOID-ARTHRITIS - PARADIGMS AND FACTS** *RHEUMATIC DISEASE CLINICS OF NORTH AMERICA*
Goronzy, J. J., Weyand, C. M.
1995; 21 (3): 655-674
 - **MECHANISMS UNDERLYING THE FORMATION OF THE T-CELL RECEPTOR REPERTOIRE IN RHEUMATOID-ARTHRITIS** *IMMUNITY*
WALSERKUNTZ, D. R., Weyand, C. M., Weaver, A. J., OFALLON, W. M., Goronzy, J. J.
1995; 2 (6): 597-605
 - **EOSINOPHIL-ACTIVE CYTOKINE FROM MONONUCLEAR-CELLS CULTURED WITH L-TRYPTOPHAN PRODUCTS - AN UNEXPECTED CONSEQUENCE OF ENDOTOXIN CONTAMINATION** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Kita, H., Mayeno, A. N., Weyand, C. M., Goronzy, J. J., Weiler, D. A., Lundy, S. K., Abrams, J. S., Gleich, G. J.
1995; 95 (6): 1261-1267
 - **Inherited and noninherited risk factors in rheumatoid arthritis.** *Current opinion in rheumatology*
Weyand, C. M., Goronzy, J. J.
1995; 7 (3): 206-213
 - **CORRELATION BETWEEN DISEASE PHENOTYPE AND GENETIC-HETEROGENEITY IN RHEUMATOID-ARTHRITIS** *JOURNAL OF CLINICAL INVESTIGATION*
Weyand, C. M., McCarthy, T. G., Goronzy, J. J.
1995; 95 (5): 2120-2126
 - **T and B cell-dependent pathways in rheumatoid arthritis.** *Current opinion in rheumatology*
Goronzy, J. J., Weyand, C. M.
1995; 7 (3): 214-221
 - **CYTOKINES IN POLYMYALGIA AND GIANT-CELL ARTERITIS - RESPONSE** *ANNALS OF INTERNAL MEDICINE*
Weyand, C. M., Goronzy, J. J., Hunder, G. G.
1995; 122 (8): 634-634
 - **SYSTEMIC MONOCYTE AND T-CELL ACTIVATION IN A PATIENT WITH HUMAN PARVOVIRUS B19 INFECTION** *MAYO CLINIC PROCEEDINGS*
Wagner, A. D., Goronzy, J. J., Matteson, E. L., Weyand, C. M.
1995; 70 (3): 261-265
 - **SELECTIVE ACTIVATION OF V(H)3A10(+) RHEUMATOID-FACTOR PRODUCING B-CELLS BY STAPHYLOCOCCAL-ENTEROTOXIN-D** *INTERNATIONAL IMMUNOLOGY*
Xie, C. P., Bruhl, H., He, X. W., Weyand, C. M., Goronzy, J. J.
1995; 7 (3): 425-434

- **INDUCTION OF B-CELL APOPTOSIS BY TH0, BUT NOT TH2, CD4(+) T-CELLS** *JOURNAL OF CLINICAL INVESTIGATION*
He, X. W., Zhong, W. Y., Goronzy, J. J., Weyand, C. M.
1995; 95 (2): 564-570
- **THE T-CELL RECEPTOR V-BETA-6 GENE USAGE IN ALLOREACTIVE T-CELL RESPONSES** *HUMAN IMMUNOLOGY*
Hu, W. N., Weyand, C. M., Goronzy, J. J.
1995; 42 (1): 72-80
- **Molecular approaches toward pathologic mechanisms in giant cell arteritis and Takayasu's arteritis.** *Current opinion in rheumatology*
Weyand, C. M., Goronzy, J. J.
1995; 7 (1): 30-36
- **DOMINANT CLONOTYPES IN THE REPERTOIRE OF PERIPHERAL CD4(+) T-CELLS IN RHEUMATOID-ARTHRITIS** *JOURNAL OF CLINICAL INVESTIGATION*
Goronzy, J. J., BARTZBAZZANELLA, P., Hu, W. N., Jendro, M. C., WALSERKUNTZ, D. R., Weyand, C. M.
1994; 94 (5): 2068-2076
- **TISSUE CYTOKINE PATTERNS IN PATIENTS WITH POLYMYALGIA-RHEUMATICA AND GIANT-CELL ARTERITIS** *ANNALS OF INTERNAL MEDICINE*
Weyand, C. M., Hicok, K. C., Hunder, G. G., Goronzy, J. J.
1994; 121 (7): 484-491
- **FUNCTIONAL PROFILE OF TISSUE-INFILTRATING AND CIRCULATING CD68+ CELLS IN GIANT-CELL ARTERITIS - EVIDENCE FOR 2 COMPONENTS OF THE DISEASE** *JOURNAL OF CLINICAL INVESTIGATION*
Wagner, A. D., Goronzy, J. J., Weyand, C. M.
1994; 94 (3): 1134-1140
- **DISEASE MECHANISMS IN RHEUMATOID-ARTHRITIS - GENE DOSAGE EFFECT OF HLA-DR HAPLOTYPES** *JOURNAL OF LABORATORY AND CLINICAL MEDICINE*
Weyand, C. M., Goronzy, J. J.
1994; 124 (3): 335-338
- **MODULATION OF HELPER T-CELL FUNCTION BY PROSTAGLANDINS** *ARTHRITIS AND RHEUMATISM*
GOLD, K. N., Weyand, C. M., Goronzy, J. J.
1994; 37 (6): 925-933
- **HLA-DRB1 ALLELES AS SEVERITY MARKERS IN RA** *BULLETIN ON THE RHEUMATIC DISEASES*
Weyand, C. M., Goronzy, J. J.
1994; 43 (4): 5-8
- **Vasculitis in rheumatoid arthritis.** *Current opinion in rheumatology*
Goronzy, J. J., Weyand, C. M.
1994; 6 (3): 290-294
- **HLA-DRB1 ALLELES IN POLYMYALGIA-RHEUMATICA, GIANT-CELL ARTERITIS, AND RHEUMATOID-ARTHRITIS** *ARTHRITIS AND RHEUMATISM*
Weyand, C. M., HUNDER, N. N., Hicok, K. C., Hunder, G. G., Goronzy, J. J.
1994; 37 (4): 514-520
- **DISTINCT VASCULAR-LESIONS IN GIANT-CELL ARTERITIS SHARE IDENTICAL T-CELL CLONOTYPES** *JOURNAL OF EXPERIMENTAL MEDICINE*
Weyand, C. M., Schonberger, J., Oppitz, U., HUNDER, N. N., Hicok, K. C., Goronzy, J. J.
1994; 179 (3): 951-960
- **IS SERONEGATIVE RA IN THE ELDERLY THE SAME AS POLYMYALGIA-RHEUMATICA** *BULLETIN ON THE RHEUMATIC DISEASES*
Hunder, G. G., GORONZY, J., Weyland, C.
1994; 43 (1): 1-3
- **FUNCTIONAL DOMAINS ON HLA-DR MOLECULES - IMPLICATIONS FOR THE LINKAGE OF HLA-DR GENES TO DIFFERENT AUTOIMMUNE-DISEASES** *CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY*
Weyand, C. M., Goronzy, J. J.

1994; 70 (2): 91-98

• **CORRELATION OF INTERLEUKIN-6 PRODUCTION AND DISEASE-ACTIVITY IN POLYMYALGIA-RHEUMATICA AND GIANT-CELL ARTERITIS ARTHRITIS AND RHEUMATISM**

ROCHE, N. E., Fulbright, J. W., Wagner, A. D., Hunder, G. G., Goronzy, J. J., Weyand, C. M.

1993; 36 (9): 1286-1294

• **THE REPERTOIRE OF RHEUMATOID-FACTOR PRODUCING B-CELLS IN NORMAL SUBJECTS AND PATIENTS WITH RHEUMATOID-ARTHRITIS ARTHRITIS AND RHEUMATISM**

He, X. W., Goronzy, J. J., Weyand, C. M.

1993; 36 (8): 1061-1069

• **RESTRICTIONS IN THE REPERTOIRE OF ALLOSPECIFIC T-CELLS - CONTRIBUTION OF THE ALPHA-HELICAL SEQUENCE POLYMORPHISM OF HLA-DR MOLECULES JOURNAL OF IMMUNOLOGY**

Goronzy, J. J., Xie, C. P., Hu, W. N., Lundy, S. K., Weyand, C. M.

1993; 151 (2): 825-836

• **PATHOGENESIS OF GIANT-CELL ARTERITIS ARTHRITIS AND RHEUMATISM**

Hunder, G. G., Lie, J. T., Goronzy, J. J., Weyand, C. M.

1993; 36 (6): 757-761

• **Interplay of T lymphocytes and HLA-DR molecules in rheumatoid arthritis. Current opinion in rheumatology**

Goronzy, J. J., Weyand, C. M.

1993; 5 (2): 169-177

• **THE HLA-DRB1 LOCUS AS A GENETIC COMPONENT IN GIANT-CELL ARTERITIS - MAPPING OF A DISEASE-LINKED SEQUENCE MOTIF TO THE ANTIGEN-BINDING SITE OF THE HLA-DR MOLECULE JOURNAL OF CLINICAL INVESTIGATION**

Weyand, C. M., Hicok, K. C., Hunder, G. G., Goronzy, J. J.

1992; 90 (6): 2355-2361

• **THE INFLUENCE OF HLA-DRB1 GENES ON DISEASE SEVERITY IN RHEUMATOID-ARTHRITIS ANNALS OF INTERNAL MEDICINE**

Weyand, C. M., Hicok, K. C., Conn, D. L., Goronzy, J. J.

1992; 117 (10): 801-806

• **SELECTION OF T-CELL RECEPTOR-V-BETA ELEMENTS BY HLA-DR DETERMINANTS PREDISPOSING TO RHEUMATOID-ARTHRITIS ARTHRITIS AND RHEUMATISM**

Weyand, C. M., Oppitz, U., Hicok, K., Goronzy, J. J.

1992; 35 (9): 990-998

• **HOMOZYGOSITY FOR THE HLA-DRB1 ALLELE SELECTS FOR EXTRAARTICULAR MANIFESTATIONS IN RHEUMATOID-ARTHRITIS JOURNAL OF CLINICAL INVESTIGATION**

Weyand, C. M., Xie, C. P., Goronzy, J. J.

1992; 89 (6): 2033-2039

• **IMMUNOREGULATORY EFFECTS OF BORRELIA-BURGDORFERI ON T-B-CELL INTERACTIONS JOURNAL OF RHEUMATOLOGY**

Goronzy, J. J., Hanson, T. L., Weyand, C. M.

1992; 19 (4): 573-578

• **NODULAR PANNICULITIS - A FORM OF LYME-DISEASE HAUTARZT**

Hassler, D., Zorn, J., ZOLLER, L., Neuss, M., WEYAND, C., GORONZY, J., Born, I. A., PREACMURSIC, V.

1992; 43 (3): 134-138

• **[Nodular panniculitis: a manifestation of Lyme borreliosis?]. Der Hautarzt; Zeitschrift für Dermatologie, Venerologie, und verwandte Gebiete**

Hassler, D., Zorn, J., Zöller, L., Neuss, M., WEYAND, C., GORONZY, J., Born, I. A., Preac-Mursic, V.

1992; 43 (3): 134-138

• **HIV-INFECTION AND RHEUMATIC DISEASES - AUTOIMMUNE MECHANISMS IN IMMUNODEFICIENT HOSTS ZEITSCHRIFT FÜR RHEUMATOLOGIE**

Weyand, C. M., Goronzy, J. J.

1992; 51 (2): 55-64

- **SELECTIVE INDUCTION OF RHEUMATOID FACTORS BY SUPERANTIGENS AND HUMAN HELPER T-CELLS** *JOURNAL OF CLINICAL INVESTIGATION*
He, X. W., GORONZY, J., WEYAND, C.
1992; 89 (2): 673-680
- **CLINICALLY SILENT INFECTIONS IN PATIENTS WITH OLIGOARTHRITIS - RESULTS OF A PROSPECTIVE-STUDY** *ANNALS OF THE RHEUMATIC DISEASES*
Weyand, C. M., Goronzy, J. J.
1992; 51 (2): 253-258
- **CLONAL HETEROGENEITY OF SUPERANTIGEN REACTIVITY IN HUMAN V-BETA-6+ T-CELL CLONES - LIMITED CONTRIBUTIONS OF V-BETA SEQUENCE POLYMORPHISMS** *JOURNAL OF IMMUNOLOGY*
Goronzy, J. J., Oppitz, U., Weyand, C. M.
1992; 148 (2): 604-611
- **NONRANDOM SELECTION OF T-CELL SPECIFICITIES IN ANTI-HLA-DR RESPONSES - SEQUENCE MOTIFS OF THE RESPONDER HLA-DR ALLELE INFLUENCE T-CELL RECRUITMENT** *JOURNAL OF IMMUNOLOGY*
Weyand, C. M., Hicok, K. C., Goronzy, J. J.
1991; 147 (1): 70-78
- **SOLUBLE HLA-DR MOLECULES IN PATIENTS WITH HLA CLASS-II VERSUS CLASS-I ASSOCIATED DISORDERS** *AUTOIMMUNITY*
Weyand, C. M., Jendro, M., Goronzy, J. J.
1991; 8 (4): 281-287
- **STRUCTURAL AND FUNCTIONAL-CHARACTERIZATION OF HLA-DR MOLECULES CIRCULATING IN THE SERUM** *AUTOIMMUNITY*
Jendro, M., Goronzy, J. J., Weyand, C. M.
1991; 8 (4): 289-296
- **EOSINOPHILIA, MYOPATHY, AND NEUROPATHY IN A PATIENT WITH REPEATED USE OF L-TRYPTOPHAN** *KLINISCHE WOCHENSCHRIFT*
Goronzy, J. J., Weyand, C. M.
1990; 68 (14): 735-738
- **LONG-TERM IMMUNOMODULATORY EFFECTS OF LYMPHOCYTE-T DEPLETION IN PATIENTS WITH SYSTEMIC-SCLEROSIS** *ARTHRITIS AND RHEUMATISM*
Goronzy, J. J., Weyand, C. M.
1990; 33 (4): 511-519
- **DISEASE-ASSOCIATED HUMAN HISTOCOMPATIBILITY LEUKOCYTE ANTIGEN DETERMINANTS IN PATIENTS WITH SEROPOSITIVE RHEUMATOID-ARTHRITIS - FUNCTIONAL-ROLE IN ANTIGEN-SPECIFIC AND ALLOGENEIC T-CELL RECOGNITION** *JOURNAL OF CLINICAL INVESTIGATION*
Weyand, C. M., Goronzy, J. J.
1990; 85 (4): 1051-1057
- **The role of infectious agents in the etiopathogenesis of chronic rheumatic diseases.** *Verhandlungen der Deutschen Gesellschaft für Innere Medizin*
Weyand, C. M., Goronzy, J. J.
1990; 96: 319-324
- **10-YEAR FOLLOW-UP OF A PATIENT WITH MULTICENTRIC RETICULOHISTIOCYTOSIS ASSOCIATED WITH MYOPATHY** *SCANDINAVIAN JOURNAL OF RHEUMATOLOGY*
Gao, I. K., Goronzy, J. J., Weyand, C. M.
1990; 19 (6): 437-441
- **IMMUNE-RESPONSES TO BORRELIA-BURGDORFERI IN PATIENTS WITH REACTIVE ARTHRITIS** *ARTHRITIS AND RHEUMATISM*
Weyand, C. M., Goronzy, J. J.
1989; 32 (9): 1057-1064
- **PERSISTENT SUPPRESSION OF VIRUS-SPECIFIC CYTO-TOXIC T-CELL RESPONSES AFTER TRANSIENT DEPLETION OF CD4+ T-CELLS** *INVIVO JOURNAL OF IMMUNOLOGY*
Goronzy, J. J., Weyand, C. M.
1989; 142 (12): 4435-4440

- **IMMUNOSUPPRESSION BY ANTI-CD4 TREATMENT INVIVO - CELLULAR AND HUMORAL RESPONSES TO ALLOANTIGENS TRANSPLANTATION**
Weyand, C. M., GORONZY, J., Swarztrauber, K., Fathman, C. G.
1989; 47 (6): 1039-1042
- **IMMUNOSUPPRESSION BY ANTI-CD4 TREATMENT INVIVO - PERSISTENCE OF SECONDARY ANTIVIRAL IMMUNE-RESPONSES TRANSPLANTATION**
Weyand, C. M., GORONZY, J., Swarztrauber, K., Fathman, C. G.
1989; 47 (6): 1034-1038
- **ENHANCED CELL-MEDIATED PROTECTION AGAINST FATAL ESCHERICHIA-COLI SEPTICEMIA INDUCED BY TREATMENT WITH RECOMBINANT IL-2 JOURNAL OF IMMUNOLOGY**
GORONZY, J., WEYAND, C., Quan, J., Fathman, C. G., OHANLEY, P.
1989; 142 (4): 1134-1138
- **MAPPING OF ALLOSPECIFIC T-CELL RECOGNITION SITES ENCODED BY THE HLA-DR4 BETA-1-CHAIN HUMAN IMMUNOLOGY**
Weyand, C. M., Goronzy, J. J.
1989; 24 (2): 133-143
- **TRIGGERING OF LYMPHOCYTES-T VIA EITHER T3-TI OR T11 SURFACE-STRUCTURES OPENS A VOLTAGE-SENSITIVE PLASMA-MEMBRANE CALCIUM-PERMEABLE CHANNEL - REQUIREMENT FOR INTERLEUKIN-2 GENE-FUNCTION JOURNAL OF BIOLOGICAL CHEMISTRY**
Gardner, P., Alcover, A., Kuno, M., Moingeon, P., Weyand, C. M., GORONZY, J., REINHERZ, E. L.
1989; 264 (2): 1068-1076
- **ADMINISTRATION INVIVO OF RECOMBINANT INTERLEUKIN-2 PROTECTS MICE AGAINST SEPTIC DEATH JOURNAL OF CLINICAL INVESTIGATION**
WEYAND, C., GORONZY, J., Fathman, C. G., OHANLEY, P.
1987; 79 (6): 1756-1763
- **HETEROGENEITY OF SIGNAL REQUIREMENTS IN T-CELL ACTIVATION WITHIN A PANEL OF HUMAN PROLIFERATIVE T-CELL CLONES JOURNAL OF IMMUNOLOGY**
GORONZY, J., WEYAND, C., Imboden, J., Manger, B., Fathman, C. G.
1987; 138 (10): 3087-3093
- **MODULATION OF CD4 BY ANTIGENIC ACTIVATION JOURNAL OF IMMUNOLOGY**
Weyand, C. M., GORONZY, J., Fathman, C. G.
1987; 138 (5): 1351-1354
- **CLONING OF HUMAN ALLOREACTIVE T-CELLS METHODS IN ENZYMOLOGY**
GORONZY, J., WEYAND, C., Fathman, C. G.
1987; 150: 333-341
- **SINGLE-CHANNEL AND WHOLE-CELL RECORDINGS OF MITOGEN-REGULATED INWARD CURRENTS IN HUMAN CLONED HELPER LYMPHOCYTES-T NATURE**
Kuno, M., GORONZY, J., Weyand, C. M., Gardner, P.
1986; 323 (6085): 269-273
- **LONG-TERM HUMORAL UNRESPONSIVENESS INVIVO, INDUCED BY TREATMENT WITH MONOCLONAL-ANTIBODY AGAINST L3T4 JOURNAL OF EXPERIMENTAL MEDICINE**
GORONZY, J., Weyand, C. M., Fathman, C. G.
1986; 164 (3): 911-925
- **GENE CONVERSION - A MECHANISM TO EXPLAIN HLA-D REGION AND DISEASE ASSOCIATION ANNALS OF THE NEW YORK ACADEMY OF SCIENCES**
Fathman, C. G., GORONZY, J., WEYAND, C.
1986; 475: 24-31
- **SHARED T-CELL RECOGNITION SITES ON HUMAN HISTOCOMPATIBILITY LEUKOCYTE ANTIGEN CLASS-II MOLECULES OF PATIENTS WITH SEROPOSITIVE RHEUMATOID-ARTHRITIS JOURNAL OF CLINICAL INVESTIGATION**
GORONZY, J., Weyand, C. M., Fathman, C. G.

1986; 77 (3): 1042-1049

• **PRESENTATION OF AN UNRECOGNIZED LYMPHOMA AS ESOPHAGEAL TUMOR *ENDOSCOPY***

Weyand, C. M., Goronzy, J. J., Huchzermeyer, H.

1986; 18 (2): 61-63

• **HUMAN T-CELL CLONES USED TO DEFINE FUNCTIONAL EPITOPE ON HLA CLASS-II MOLECULES *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA***

Weyand, C. M., GORONZY, J., Fathman, C. G.

1986; 83 (3): 762-766

• **HUMAN T-CELL CLONES AS DIAGNOSTIC-TOOLS AND POTENTIAL THERAPEUTIC REAGENTS *IMMUNOLOGICAL INVESTIGATIONS***

WEYAND, C., GORONZY, J., Fathman, C. G.

1986; 15 (7): 591-624

• **HUMAN T-CELL CLONES EXPRESS FUNCTIONAL HOMING RECEPTORS REQUIRED FOR NORMAL LYMPHOCYTE TRAFFICKING *JOURNAL OF EXPERIMENTAL MEDICINE***

NAVARRO, R. F., JALKANEN, S. T., HSU, M., SOENDERSTRUPHANSEN, G., GORONZY, J., WEYAND, C., Fathman, C. G., CLAYBERGER, C., KRENSKY, A. M., BUTCHER, E. C.

1985; 162 (3): 1075-1080

• **T-CELL ACTIVATION - DIFFERENCES IN THE SIGNALS REQUIRED FOR IL-2 PRODUCTION BY NONACTIVATED AND ACTIVATED T-CELLS *JOURNAL OF IMMUNOLOGY***

Manger, B., WEISS, A., WEYAND, C., GORONZY, J., Stobo, J. D.

1985; 135 (6): 3669-3673

• **T-CELL SUBPOPULATIONS IN INFLAMMATORY BOWEL-DISEASE - EVIDENCE FOR A DEFECTIVE INDUCTION OF T8+ SUPPRESSOR CYTO-TOXIC LYMPHOCYTES-T *CLINICAL AND EXPERIMENTAL IMMUNOLOGY***

GORONZY, J., Weyand, C. M., Waase, I.

1985; 61 (3): 593-600