Ryu Watanabe
Visiting Assistant Professor, Medicine - Immunology & Rheumatology

Bio

ACADEMIC APPOINTMENTS
• Visiting Assistant Professor, Medicine - Immunology & Rheumatology

Publications

PUBLICATIONS
• 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

• 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)

• 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., Weyand, C. M.
  2018

• 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

• Hypermetabolic macrophages in rheumatoid arthritis and coronary artery disease due to glycogen synthase kinase 3b inactivation. Annals of the rheumatic diseases
  2018

• 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

• 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

• Immunoinhibitory checkpoint deficiency in medium and large vessel vasculitis PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA
  2017; 114 (6): E970-E979

• Pyruvate controls the checkpoint inhibitor PD-L1 and suppresses T cell immunity. The Journal of clinical investigation
  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., Shen, Y., Berry, G., Shahram, F., Li, Y., Watanabe, R., Liao, Y. J., Goronzy, J. J., Weyand, C. M.  
2017; 9 (399)

- 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

- 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

- The glycolytic enzyme PKM2 bridges metabolic and inflammatory dysfunction in coronary artery disease *JOURNAL OF EXPERIMENTAL MEDICINE*  
  2016; 213 (3): 337-354