



JBC Monthly Newsletter

July 2023

JBC UPDATES

Kevin Mueller has joined as the new JBC Coordinator – welcome Kevin! Kevin is based at BWH in the Sparks group.

JBC Synergy Meeting resumes in September.

JBC MEMBER NEWS

- **Christian Jacome-Galarza** (BWH) was awarded a Fulbright fellowship to host **Dr. Julio Enrique Castañeda Delgado** in his lab starting in the Fall 2023. The project will focus on investigating the role of GPR15 as therapeutic target in inflammatory arthritis.
- **Dr. Peter Nigrovic** (BCH / BWH), Professor of Pediatrics at Harvard Medical School, was approved for a secondary appointment as Professor of Medicine.

JBC MEMBER PUBLICATIONS

- Herman JD, Atyeo C, Zur Y, Cook CE, Patel NJ, Vanni KMM, Kowalski EN, Qian G, Srivatsan S, **Shadick NA, Rao DA**, Kellman B, Mann CJ, Laffenburger D, **Wallace ZS***, **Sparks JA***, Alter G*. Endemic coronavirus humoral immunity is associated with post-acute sequelae of COVID-19 in individuals with rheumatic diseases. *Sci Transl Med.* 2023 (In Press).
*Contributed equally.
- Good SD, **Sparks JA**, Volkmann ER. Screening, diagnosis, and monitoring of interstitial lung disease in systemic autoimmune rheumatic diseases: A narrative review. *Rev Colomb Reumatol.* 2023 (In Press).
- Wang R, Singaraju A, Marks K, Shakib L, Dunlap G, Cunningham-Bussel A, Chen L, Tirpack A, Fein MR, Todd DJ, MacFarlane L, Goodman SM, DiCarlo EF, Massarotti EM, **Sparks JA**, Hamnvik OR, Min L, **Jonsson AH**, Brenner MB, Chan K, Bass AR, Donlin LT, **Rao DA**. Clonally expanded CD38hi cytotoxic CD8 T cells define the T cell infiltrate in checkpoint inhibitor-associated arthritis. *Sci Immunol.* 2023 (In Press).

The JBC Team:

- Peter Nigrovic, M.D.
Director (BCH & BWH)
- Elizabeth Karlson, M.D.
Co-PI, Associate Director
- Jeffrey Sparks, M.D., M.M.Sc.
Co-PI, Associate Director

Human Biosamples Core:

- Jeffrey Sparks, M.D., M.M.Sc.
Director
- Lauren Henderson, M.D., M.M.Sc.
Associate Director BCH
- Deepak Rao, MD, PhD
Associate Director

Cellular Systems Core:

- Jim Lederer, Ph.D.
Director
- Kevin Wei, M.D., Ph.D.
Associate Director
- Maria Gutierrez-Arcelus, PhD
Associate Director

- Moll M, Peljto AL, Kim JS, Xu H, Debban C, Chen X, Menon A, Putman R, Ghosh AJ, Nishino M, Hatabu H, Hobbs BD, Wain LV, Allen RJ, Tobin MD, Taby AB, Chun S, McDermott GC, **Sparks JA**, Silverman EK, Ortega V, Garcia CK, Barr RG, Manichaikul A, Dupuis J, Fingerlin TE, Hunninghake GM, Schwartz DA, Cho MH. A polygenic risk score for idiopathic pulmonary fibrosis and interstitial lung abnormalities. *Am J Resp Crit Care Med*. 2023 (In Press).
- Philippon EM, van Rooijen LJ, Khodadust F, van Hamburg JP, van der Laken CJ, **Tas SW**. A novel 3D Spheroid Model of Rheumatoid Arthritis Synovial Tissue Incorporating Fibroblasts, Endothelial Cells, and Macrophages. *Front Immunol*. 2023. Doi: 10.3389/fimmu.2023.1188835.
- Boekel L, Atiqi S, Leeuw M, Hooijberg F, Besten YR, Wartena R, Steenhuis M, Vogelzang E, Webers C, Boonen A, Gerritsen M, Lems WF, **Tas SW**, van Vollenhoven RF, Voskuyl AE, van der Horst-Bruinsma I, Nurmohamed M, Rispens T, Wolbink G. Post-COVID condition in patients with inflammatory rheumatic diseases: a prospective cohort study in the Netherlands. *Lancet Rheumatol*. 2023 Jul;5(7):e375-e385. doi: 10.1016/S2665-9913(23)00127-3. Epub 2023 May 31. PMID: 37398978; PMCID: PMC10292827.
- Nagy NA, Lozano Vigario F, Sparrius R, van Capel TMM, van Ree R, **Tas SW**, de Vries IJM, Geijtenbeek TBH, Slütter B, de Jong EC; DC4Balance consortium. Liposomes loaded with vitamin D3 induce regulatory circuits in human dendritic cells. *Front Immunol*. 2023 Jun 9;14:1137538. doi: 10.3389/fimmu.2023.1137538. PMID: 37359530; PMCID: PMC10288978.
- Wobma H, Arvila S, Taylor M, Lam KP, Ohashi M, Gebhart C, Powers H, Case S, Chandler M, **Chang MH**, Cohen E, Day-Lewis M, Fishman M, Halyabar O, Hausmann J, Hazen M, **Lee PY**, Lo M, Meidan E, Roberts J, **Son MBF**, Sundel RP, Dedeoglu F, **Nigrovic PA**, Casey A, Chang JC, **Henderson LA**. Incidence and risk factors for eosinophilia and lung disease in biologic-exposed children with systemic juvenile idiopathic arthritis. *Arthr Care Res* 2023 Apr 11. doi: 10.1002/acr.25129. Online ahead of print.
- Van Bruggen A, Jarrot PA, Thomas E, Sheehy CE, Silva CMS, Hsu AY, **Cunin P**, **Nigrovic PA**, Gomes E, Luo HR, Waterman C, Wagner DD. NLRP3 is essential for neutrophil polarization and chemotaxis in response to leukotriene B4 gradient. *Proc Nat Acad Sci* in press.
- **Nigrovic PA**, de Benedetti F, Kimura Y, Lovell DJ, Vastert SJ. The elephant in the room: diagnostic/classification criteria for systemic juvenile idiopathic arthritis and adult-onset Still's disease. Proceedings of the 4th NextGen Therapies for SJIA and MAS: Part 1. *Pediatric Rheum* in press.

OPEN POSITIONS

Please let us know if you would like your open positions posted here!