



JBC Monthly Newsletter

December 2023

JBC UPDATES

- Please join us at **JBC Synergy Meeting** on December 15th 12:30-1:30 (Zoom) with speakers:
 - **Julia Charles M.D., Ph.D.** (BWH) “Osteoclasts in bone disease”
 - **Julio Enrique Castañeda-Delgado, Ph.D.** (BWH) “GPR15 in rheumatoid arthritis pathology”
- The next **JBC Aims Review Committee at BCH** will be on January 8th, 2024. Please email Peter.Nigrovic@childrens.harvard.edu if you have aims to present or are interested in attending.
- The next **JBC Aims Review Committee at BWH** will be on January 11th from 1:00-2:00 P.M.. Please email ktnueller@bwh.harvard.edu if you have aims to present or are interested in attending.

JBC MEMBER NEWS

- The Center of Systems Immunology (CSI) Erlangen was selected as new FOCIS Center of Excellence.
Director: **Professor Ricardo Grieshaber-Bouyer, MD**
Associate Director: Professor Veit Rothhammer, MD
Trainee Representative: Laura Bucci, MD
- The Division of Immunology at BCH is delighted to announce newly recruited laboratory PIs **Novalia Pishesha, PhD** (beginning 1/1/2024) and **Ayano Kohlgruber, PhD** (beginning 5/1/2024), joining **Margaret Chang, MD, PhD** who started her lab in 2023.
- **Mary Beth Son, MD** has been named Clinical Chief of the Division of Immunology at BCH effective 1/1/2024, replacing Dr. Andy MacGinnitie who is departing to become chief of the Division of Allergy and Immunology at the Medical College of Wisconsin.

JBC MEMBER PUBLICATIONS

- **Massengale M**, Massengale JL, Benson CR, Baryawno N, Oki T, Steinhauser ML, Wang A, Balani D, Oh LS, Randolph MA, Gill TJ 3rd, Kronenberg HM, Scadden DT. Adult Prg4+ progenitors repair long-term articular cartilage wounds in vivo. JCI Insight. 2023 Sep 8;8(17):e167858. doi:

The JBC Team:

- **Peter Nigrovic, M.D.**
Director (BCH & BWH)
- **Elizabeth Karlson, M.D., M.S.**
Associate Director
- **Jeffrey Sparks, M.D., M.M.Sc.**
Multi-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, M.D., Ph.D.**
Associate Director

Cellular Systems Core:

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

10.1172/jci.insight.167858. PMID: 37681409; PMCID: PMC10544199. Seyok T, Collins JE, Erikson SJ, **Charles JF**, Earp BE. Future Fracture Risk in Upper Extremity Fracture and Non-Fracture Patients. *Hand (N Y)*. 2023 Oct;18(7):1095-1101. doi: 10.1177/15589447211049521. Epub 2022 Feb 26. PubMed PMID: 35220774.

- Amjadi MF, Parker MH, Adyniec RR, Zheng Z, Robbins AM, Bashar SJ, Denny MF, McCoy SS, Ong IM, **Shelef MA**. Novel and unique rheumatoid factors cross-react with viral epitopes in COVID-19. *Journal of Autoimmunity*. 2023 Nov 11;142:103132
- Zonozi R, Walters LC, Shulkin A, Naranbhai V, Nithagon P, Sauvage G, Kaeske C, Cosgrove K, Nathan A, Tano-Menka R, Gayton AC, Getz MA, Senjobe F, Worrall D, Iafrate AJ, Fromson C, Montesi SB, **Rao DA**, **Sparks JA**, **Wallace ZS**, Farmer JR, Walker BD, Charles RC, Laliberte K, Niles JL, Gaiha GD. T cell responses to SARS-CoV-2 infection and vaccination are elevated in B cell deficiency and reduce risk of severe COVID-19. *Sci Transl Med*. 2023 Nov 29;15(724):eadh4529.
- **McDermott GC**, Hayashi K, Yoshida K, **Juge PA**, Moll M, Cho MH, Doyle TJ, Kinney GL, **Dellaripa PF**, **Wallace ZS**, Regan E, Hunninghake GM, Silverman EK, San Jose Estepar R, Ash SY, Washko GR, **Sparks JA**. Rheumatoid arthritis, quantitative parenchymal lung features, and mortality among smokers. *Rheumatology*. 2023 (In Press).
- **Juge PA**, Hayashi K, **McDermott G**, Vanni K, Kowalski E, Qian G, Bade K, Saavedra A, Dieudé P, **Dellaripa P**, Doyle TJ, **Sparks JA**. Effectiveness and tolerability of antifibrotics in rheumatoid arthritis-associated interstitial lung disease. *Semin Arthritis Rheum*. 2023 (In Press).
- Venkat RK, Wang X, Patel NJ, Kawano Y, Schiff A, Kowalski EN, Cook CE, Vanni KMM, Qian G, Bade KJ, Saavedra A, Srivatsan S, Williams ZK, **Wallace ZS***, **Sparks JA***. Associations of DMARDs with post-acute sequelae of COVID-19 in patients with systemic autoimmune rheumatic diseases: A prospective study. *Rheumatology*. 2023 (In Press). *Contributed equally.
- McCarter KR, Arabelovic S, Wang X, Wolfgang T, Yoshida K, Qian G, Kowalski EN, Vanni KMM, LeBoeuf NR, Buchbinder EI, Gedmintas L, MacFarlane LA, **Rao DA**, **Shadick NA**, **Gravallese EM**, **Sparks JA**. Immunomodulator use, risk factors, management, and mortality for patients with pre-existing rheumatoid arthritis initiating immune checkpoint inhibitors for cancer. *Semin Arthritis Rheum*. 2023 (In Press).
- Ruscitti P, Cantarini L, **Nigrovic PA**, McGonagle D, Giacomelli R. Recent advances and evolving concepts in Still's disease. *Nature Reviews Rheumatology* in press.

OPEN POSITIONS

The Nigrovic lab (BCH) is seeking new postdoctoral fellows in the fields of (1) non-coding genetic variants in human autoimmunity and (2) megakaryocyte-neutrophil emperipolesis using 2-photon microscopy and other methods. Please direct inquiries to peter.nigrovic@childrens.harvard.edu.

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