



JBC Monthly Newsletter

August 2023

JBC UPDATES

The next **JBC Synergy Meeting** is scheduled for Friday September 22, 12:30-1:30, Zoom, with speakers:

- Miriam Shelef, M.D., Ph.D. (University of Wisconsin) Title TBA
- Jonathan Herman, M.D., Ph.D. (BWH Infectious Diseases) Title TBA

The next **JBC Aims Review Committee meeting at BCH** will be in mid-September. If you have aims to discuss, please email peter.nigovic@childrens.harvard.edu.

JBC MEMBER NEWS

- Congratulations to **Dr. Jeffrey Sparks** (BWH) who has been selected to serve on the **Rheumatology Research Foundation Scientific Advisory Council!**
- **Dr. Peter Nigrovic** (BCH/BWH) and **Dr. Lise Nigrovic** (BCH) were awarded a renewal of the grant “New tools to diagnose Lyme disease in children” from the Peabody Foundation, with Co-I **Dr. Pui Lee** (BCH).

JBC MEMBER PUBLICATIONS

- Zhang C, Vedadghavami A, He T, **Charles JF**, Bajpayee AG. Cationic Carrier Mediated Delivery of Anionic Contrast Agents in Low Doses Enable Enhanced Computed Tomography Imaging of Cartilage for Early Osteoarthritis Diagnosis. *ACS Nano*. 2023 Apr 11;17(7):6649-6663. doi: 10.1021/acsnano.2c12376. Epub 2023 Mar 29. PubMed PMID: 36989423.
- **Sparks JA**, Harrold LR, Simon TA, Wittstock K, Kelly S, Lozenski K, Khaychuk V, Michaud K. Comparative effectiveness of treatments for rheumatoid arthritis in clinical practice: A systematic review. *Semin Arthritis Rheum*. 2023 (In Press).
- Kronzer VL, Hayashi K, Crowson CS, Davis JM III, McDermott GC, Cui J, Losina E, Juge PA, Cerhan JR, **Sparks JA**. Gene-respiratory disease interactions for rheumatoid arthritis risk. *Semin Arthritis Rheum*. 2023 (In Press).
- Lutter L, Ter Linde JJM, Brand EC, **Hoytema van Konijnenburg DP**, Roosenboom B, Talabur-Horje CH, Oldenburg B, van Wijk F. Compartment-driven imprinting of intestinal CD4 T cells in inflammatory bowel disease and homeostasis. *Clin Exp Immunol*. 2023 Aug 11:uxado95. doi: 10.1093/cei/uxado95. Online ahead of print. PMID: 3756562
- Nguyen AA, Habiballah SB, LaBere B, Day-Lewis M, Elkins M, Al-Musa A, Chu A, Jones J, Fried AJ, McDonald D, **Hoytema van Konijnenburg DP**, Rockowitz S, Sliz P, Oettgen HC, Schneider LC, MacGinnitie A, Bartnikas LM, Platt CD, Ohsumi TK, **Chou J**. Rethinking immunologic risk: a retrospective cohort study of severe SARS-CoV-2 infections in individuals with congenital

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

immunodeficiencies. *J Allergy Clin Immunol Pract.* 2023 Aug 4;S2213-2198(23)00815-2. doi: 10.1016/j.jaip.2023.07.042. Online ahead of print. PMID: 37544429

- 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* 2023 Aug 29;120(35):e2303814120. PMID: 37603754

OPEN POSITIONS

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