



JBC Monthly Newsletter

August 2021

JBC UPDATES

JBC funded for Cycle 2. NIH Notice of Award issued July 21. Thank you again to all who made Cycle 1 a success and contributed to our competitive application to continue.

There will be no **JBC Aims Review Committee meeting** in August for summer break, but ad hoc ARC is still available upon request. If you are not on the ARC email list and wish to be, please email peter.nigrovic@childrens.harvard.edu.

JBC Microgrant application will be open from September 7th - October 7th. Please send your applications early.

JBC MEMBER NEWS

Dr. Peter Nigrovic (BCH/BWH) was promoted to Professor of Pediatrics at Harvard Medical School.

JBC MEMBER PUBLICATIONS

Levescot A, **Chang MH**, **Schnell J**, Nelson-Maney N, Yan J, Martínez-Bonet M, **Grieshaber-Bouyer R**, **Lee PY**, **Wei K**, Blaustein RB, Morris A, Wactor A, Iwakura Y, **Lederer JA**, **Rao DA**, **Charles JF**, **Nigrovic PA**. IL-1 β -driven osteoclastogenic T regulatory cells accelerate bone erosion in arthritis. *J Clin Invest* 2021 Aug 3. Online ahead of print.

Ho CH, Silva AA, Giles JT, Bathon JM, **Solomon DH**, **Liao KP**, **Ho IC**. Validation of a Bioassay for Predicting Response to Tumor Necrosis Factor Inhibitors in Rheumatoid Arthritis. *Arthritis Rheumatol*. 2021;73(6):1086-7.

Ho CH, Silva AA, Tomita B, Weng HY, **Ho IC**. Differential impacts of TNF α inhibitors on the transcriptome of Th cells. *Arthritis research & therapy*. 2021;23(1):199.

Sun B, Tomita B, Salinger A, Tilvawala RR, Li L, Hakami H, Liu T, Tsoyi K, Rosas IO, Reinhardt DP, Thompson PR, **Ho IC**. PAD2-mediated citrullination of Fibulin-5 promotes elastogenesis. *Matrix biology: journal of the International Society for Matrix Biology*. 2021.

Cunningham-Bussel A, Wang J, **Prisco LC**, **Martin LW**, Vanni KMM, **Zaccardelli A**, Nasrallah M, Gedmintas L, MacFarlane LA, **Shadick NA**, Awad M, Rahma O, LeBoeuf N, **Gravallese EM**, **Sparks JA**.

The JBC Team:

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

Human Biosamples Core:

- Elizabeth Karlson, M.D.
Director
- Jeffrey Sparks, M.D., M.M.Sc.
Associate Director BWH
- 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

Predictors of rheumatic immune-related adverse events and de novo inflammatory arthritis after immune checkpoint inhibitor treatment for cancer. *Arthritis Rheumatol.* 2021 (In Press).

Sparks JA. Towards clinical significance of the MUC5B promoter variant and risk of rheumatoid arthritis-associated interstitial lung disease. *Ann Rheum Dis.* 2021 (In Press).

Nambiar AM, Walker CM, **Sparks JA.** Monitoring and management of fibrosing interstitial lung diseases: A narrative review for practicing clinicians. *Ther Adv Respir Dis.* 2021 (In Press).

Choi MY, Hahn J, Malspeis S, Stevens EF, **Karlson EW, Sparks JA,** Yoshida K, Kubzansky L, Costenbader KH. A Combination of Healthy Lifestyle Behaviors Reduces Risk of Incident Systemic Lupus Erythematosus. *Arthritis Rheumatol.* 2021 Jul 27. doi: 10.1002/art.41935. Online ahead of print.

Bouzit L, Malspeis S, **Sparks JA,** Cui J, **Karlson EW,** Yoshida K, Costenbader KH. Assessing improved risk prediction of rheumatoid arthritis by environmental, genetic, and metabolomic factors. *Semin Arthritis Rheum.* 2021 Jul 10. doi: 10.1016/j.semarthrit.2021.07.006. Online ahead of print.

Bermas BL, Gianfrancesco M, Tanner HL, Seet AM, Aguiar MC, Al Adhoubi NK, Al Emadi S, Cunha BM, Flood R, Kusevich DA, McCarthy EM, Patel NJ, Ruderman E, Sattui SE, Sciascia S, Siddique F, Valenzuela-Almada MO, Wise LM, Worthing AB, Zell J, Bhana S, Costello W, Duarte-Garcia A, Grainger R, Gossec L, Hausmann JS, Hyrich K, Lawson-Tovey S, Liew JW, Sirotich E, **Sparks JA,** Sufka P, Wallace ZS, Machado PM, Strangfeld A, Clowse MEB, Yazdany J, Robinson PC. COVID-19 in women with rheumatic disease who are pregnant: Data from the COVID-19 Global Rheumatology Alliance. *J Rheumatol.* 2021 (In Press).

OPEN POSITIONS

The **Nigrovic lab** (Boston Children's Hospital/Brigham and Women's Hospital) has postdoctoral positions open in the areas of megakaryocyte biology and human genetics.