



# JBC Monthly Newsletter

August 2020

## JBC Updates

- The JBC is now in **year 5**, with the underlying P30 AR070253 award ending 7/31/21. NIAMS will accept new P30 applications this October, and we are planning to re-apply. Please send any suggestions you have for ways we could improve JBC services or otherwise make an optimal proposal ([JBC@bwh.harvard.edu](mailto:JBC@bwh.harvard.edu)). Similarly, please cite the JBC where you can, in your papers, talks, and other venues, to give us the best shot at being able to continue providing services to researchers in rheumatology.
- There will be no Synergy Meeting in August.
- **JBC Microgrant deadline is September 10<sup>th</sup>, 2020.** Please visit our website <http://www.jbcwebportal.org/jbc-microgrant-program/> for more information about how to apply for up to \$5,000 in free JBC services including patient samples, CyTOF, and RNAseq.

## JBC Member News

### AWARDS AND GRANTS

**Peter Nigrovic** (BWH/BCH) has been named to the ACR's Committee on Research.

**Jeffrey Sparks** (BWH) was awarded Rheumatology Research Foundation R Bridge Award: Rheumatoid Arthritis-Related Autoantibodies, Articular Inflammation, and RA-Associated Interstitial Lung Disease and NIH Loan Repayment Award: Respiratory Diseases, Genetics, and Rheumatoid Arthritis Risk.

### PUBLICATIONS

Solomon DH, Bucala R, Kaplan M, **Nigrovic PA**. The "Infodemic" of COVID-19. Arthritis Rheumatol. 2020 Aug 2. Online ahead of print.

#### The JBC Team:

**Peter Nigrovic, M.D.**  
Director (BWH & BCH)

#### 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

#### Cellular Systems Core:

- **Jim Lederer, Ph.D.**  
Director
- **Peter Nigrovic, M.D.**  
Associate Director
- **Kevin Wei, M.D., Ph.D.**  
Associate Director

Sattui SE\*, Liew JW\*, Graef ER\*, Coler-Reilly A, Berenbaum F, Duarte-García A, Harrison C, König MF, Korstein P, Putman MS, Robinson PC, Sirotych E, Ugarte-Gil MF, Webb K, Young KJ, Kim AHJ\*, **Sparks JA**\*. Swinging the pendulum: Lessons learned from public discourse concerning hydroxychloroquine and COVID-19. *Expert Rev Clin Immunol*. 2020 Jul 3. doi: 10.1080/1744666X.2020.1792778. Online ahead of print.

\*Contributed equally.

Putman M, Chock YPE, Tam H, Kim AHJ, Sattui SE, Berenbaum F, Danila MI, Korsten P, Sanchez-Alvarez C, **Sparks JA**, Coates LC, Palmerlee C, Peirce A, Jayatilleke A, Johnson SR, Kilian A, Liew J, Prokop LJ, Murad H, Grainger R, Wallace ZS, Duarte-García A; COVID-19 Global Rheumatology Alliance. Antirheumatic disease therapies for the treatment of COVID-19: A systematic review and meta-analysis. *Arthritis Rheumatol*. 2020 (In Press).

Kilian A, Chock YPE, Huang I, Graef E, Upton LA, Khilani A, Silinsky Krupnikova SD, Almaghlouth I, Capelli LC, Fernandez-Ruiz R, Frankel B, Frankovich J, Harrison C, Kumar B, Monga K, Rosario Vega JA, Singh N, **Sparks JA**, Sullo E, Young K, Duarte-García A, Putman M, Johnson S, Grainger R, Wallace ZS, Liew J\*, Jayatilleke A\*; COVID-19 Global Rheumatology Alliance. Acute respiratory viral adverse events during use of antirheumatic disease therapies: A scoping review. *Semin Arthritis Rheum*. 2020 (In Press). \*Contributed equally.

Kim JM, Yang YS, Park KH, Ge X, Xu R, Li N, Song M, Chun H, Bok S, **Charles JF**, Filhol-Cochet O, Boldyreff B, Dinter T, Yu PB, Kon N, Gu W, Takarada T, Greenblatt MB, Shim JH. A RUNX2 stabilization pathway mediates physiologic and pathologic bone formation. *Nat Commun*. 2020 May 08; 11(1):2289.

**Lee PY**, Day-Lewis M, **Henderson LA**, Friedman K, Lo J, Roberts JE, Lo MS, Platt CD, Chou J, **Hoyt KJ**, Baker AL, Banzon T, **Chang MH**, Cohen E, de Ferranti S, Dionne A, Habiballah S, Halyabar O, Hausmann JS, Hazen M, Janssen E, Meidan E, Nelson RW, Nguyen AA, Sundel RP, Dedeoglu F, **Nigrovic PA**, Newburger JW, Son MBF. Distinct clinical and immunological features of SARS-COV-2-induced multisystem inflammatory syndrome in children. *J Clin Invest* 2020 Jul 23;141113.

**Henderson LA**, Canna SW, Friedman KG, Gorelik M, Lapidus SK, Bassiri H, Behrens EM, Ferris A, Kernan KF, Schulert GS, Seo P, Son MB, Tremoulet AH, Yeung RSM, Mudano AS, Turner AS, Karp DR, Mehta JJ. American College of Rheumatology Clinical Guidance for Pediatric Patients with Multisystem Inflammatory Syndrome in Children (MIS-C) Associated with SARS-CoV-2 and Hyperinflammation in COVID-19. Version 1. *Arthritis Rheumatol*. 2020 Jul 23;. doi: 10.1002/art.41454. [Epub ahead of print]

**Lee PY**, Platt CD, Grace RF, Maher G, Gauthier K, Vitali S., Randolph AG, McDonald DR, Geha RS\*, and Chou J\*, Haploinsufficiency of SOCS1 is associated with Evans Syndrome and Multisystem inflammatory syndrome in children. *J. All. Clin. Immunol*. In Press.

## OPEN POSITIONS

The **Nigrovic lab** (Brigham and Women's Hospital) has a postdoctoral position open in the area of neutrophil biology.

The **Rao lab** (Brigham and Women's Hospital) has a post-doctoral position open in the area of T cell functions in autoimmunity.