



JBC Monthly Newsletter

July 2020

JBC Updates

- For the last 4 years, Kacie Hoyt has worked with the JBC to facilitate research projects at Boston Children's Hospital. She is heading off to medical school at Virginia Tech! We will miss her very much. **Maria Taylor** is joining us from Denison University where she studied Biology. She looks forward to working with the JBC on projects that involve pediatric biosamples.



Maria Taylor

- The JBC is now in **year 4**, 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). 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 July or August.
- JBC Microgrant deadline is September 10th, 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) and **Lise Nigrovic** (BCH) were awarded a Peabody Foundation Grant, "New tools to diagnose Lyme disease in children".

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

PUBLICATIONS

Sparks JA, Dellaripa PF, Glynn RJ, Paynter NP, Xu C, Ridker PM*, **Solomon DH***. Pulmonary adverse events of low-dose methotrexate in the randomized double-blind placebo-controlled Cardiovascular Inflammation Reduction Trial. *Arthritis Rheumatol.* 2020 (In Press). *Contributed equally.

Cui J, Raychaudhuri S, **Karlson EW**, Speyer CB, Malspeis S, Guan H, **Sparks JA**, Ni H, Liu X, Stevens E, Williams JN, Davenport E, Knevel R, Costenbader KH. Interactions between genome-wide genetic factors and smoking influencing risk of systemic lupus erythematosus. *Arthritis Rheumatol.* 2020 (In Press).

Hahn J, Leatherwood C, Malspeis S, Liu X, Lu B, Roberts AL, **Sparks JA**, **Karlson EW**, Feldman CH, Munroe ME, James JA, Kubzansky LD, Costenbader KH. Associations between smoking and systemic lupus erythematosus (SLE)-related cytokines and chemokines among US female nurses. *Arthritis Care Res.* 2020 (In Press).

Scheetz MH, Konig MF, Robinson PC, **Sparks JA**, Kim AHJ. A practical pharmacokinetics-informed approach to navigating hydroxychloroquine shortages in patients with rheumatic disease during the current COVID-19 pandemic. *ACR Open Rheumatol.* 2020 (In Press).

Fava A, Buyon J, Mohan C, Zhang T, Belmont HM, Izmirly P, Clancy R, Trujillo JM, Fine D, Zhang Y, Magder L, **Rao DA**, Arazi A, Berthier CC, Davidson A, Diamond B, Hachohen N, Wofsy D, **Apruzzese W**; Accelerating Medicines Partnership in SLE network, **Raychaudhuri S**, Petri M. Integrated urine proteomics and renal single-cell genomics identify an IFN- γ response gradient in lupus nephritis. *JCI Insight.* 2020 Jun 18;5(12):138345. doi: 10.1172/jci.insight.138345. PMID: 32396533

OPEN POSITIONS

The **Gravallese lab** (Brigham and Women's Hospital) has a postdoctoral position open in the area of innate immunity and its role in inflammation and autoimmunity.

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