



JBC Monthly Newsletter

December 2020 revised

JBC Updates

- **Happy Holidays everyone!**
- **Next JBC Aims Review Committee** will be on December 17th, 3-4 p.m. Eastern Time via Zoom. If you are not on the ARC email list and wish to be, please email pnigrovic@bwh.harvard.edu. We have regularly scheduled ARC on January 7th, 12:30-1:30 p.m.
- **Next JBC Synergy Meeting** will be on December 18th, 12:30-1:30 p.m. Eastern Time via Zoom.
 - Talk 1: Dr. I-Cheng Ho, “Intrinsic roles of citrullination in health and disease”
 - Talk 2: Dr. Lise Nigrovic, Felix Radtke– “Serologic diagnosis of Lyme disease in Pedi Lyme Net”

JBC Member News

AWARDS AND GRANTS

Ricardo Grieshaber-Bouyer (Heidelberg University) was awarded a Gilead grant on "Functional subsets of human neutrophils defined by CD177 and the role of Janus kinases for their activation in chronic inflammatory rheumatic diseases".

Alisa Mueller (BWH) was selected as the Fellow-in-Training Representative to the Rheumatology Research Foundation's Board of Directors (2020-2021).

Alisa Mueller (Brenner lab, BWH) was awarded a Rheumatology Research Foundation Scientist Development Award entitled “Wnt signaling as a driver of rheumatoid arthritis via fibroblast expansion”. In addition, she received the Tobé and Stephen E. Malawista, MD Award denoting the top basic science grant.

Kiki Cunningham-Bussel (Sparks lab, BWH) was awarded a Rheumatology Research Foundation Scientist Development Award entitled Tumor microenvironment, inflammatory arthritis, and survival after immune checkpoint inhibitor use for cancer".

Sijia Chen (Gravallese lab, BWH) was awarded a Rheumatology Research Foundation Scientist Development Award entitled “Elucidating the role of DNA-sensing pathways in spondyloarthritis bone pathology”.

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

Selena Huang (Liao lab, BWH) was awarded a Rheumatology Research Foundation Scientist Development Award, titled "Inflammation and association with heart failure in rheumatoid arthritis."

Pui Lee (BCH) was awarded a Hood Foundation grant on "mTORC1 as a Mediator of Hemophagocytosis and Macrophage Activation Syndrome".

Kevin Wei (BWH) was awarded a Rheumatology Research Foundation Innovative Research Award on "Targeting angiocrine morphogens in rheumatoid arthritis".

Deepak Rao (BWH) was awarded a Rheumatology Research Foundation Innovative Research Award on "CD8 T cell functions in checkpoint inhibitor-associated arthritis".

Maria Gutierrez-Arcelus (BWH/BCH) was awarded a Gilead Research Scholars Program in Rheumatology for "Genetic loci mediating risk of systemic lupus erythematosus via B cells".

PUBLICATIONS

Serling-Boyd N*, D'Silva KM*, Hsu TY-T, Wallwork R, Fu X, Gravallesse EM, Jorge A, Zhang Y, Choi HK, **Sparks JA***, Wallace ZS*. Coronavirus disease 2019 outcomes among patients with rheumatic diseases six months into the pandemic. *Ann Rheum Dis.* 2020 (In Press). 2020 Nov 30;annrheumdis-2020-219279. doi: 10.1136/annrheumdis-2020-219279. Online ahead of print. *Contributed equally.

Choi B*, Choudhary MC*, Regan J, **Sparks JA**, Padera RF, Qiu X, Boucau J, Winkler M, **Mueller AA**, **Hsu TY**, Desjardins M, Baden LR, Chan BT, Walker BD, Lichterfeld M, Brigl M, Kanjilal S, Richardson E, **Jonsson AH**, Barczak A, Yu XG, Gaiha GD, Seaman M, Cernadas M*, Li J*. Persistence and evolution of SARS-CoV-2 in an immunocompromised host. *N Engl J Med.* 2020 Dec 3; 383:2291-2293

Sparks JA, Jin Y, Cho SK, Vine S, Desai R, Doyle TJ, Kim SC. Prevalence, incidence, and cause-specific mortality of rheumatoid arthritis-associated interstitial lung disease among older RA patients. *Rheumatology.* 2020 (In Press).

Sparks JA. Clinical application of personalized rheumatoid arthritis risk information: Translational epidemiology leading to precision medicine. *Expert Rev Precis Med Drug Dev.* 2020 (In Press).

Roberts JE, **Nigrovic PA**, Lo MS, **Chang MH.** Weekly Adalimumab, an Effective Alternative for Refractory Uveitis in Children. *Journal of Clinical Rheumatology* 2020 (In press).

Wu FM, Valente AM, **Nigrovic PA**, Rutherford AE, Singh MN. Intraperitoneal corticosteroids for recurrent ascites in patients with Fontan circulation: Initial clinical experience. *Journal of Cardiac Surgery* 2020 (in press).

Nigrovic PA. Editorial: COVID-19 cytokine storm: what is in a name? *Ann Rheum Dis* 2020 Nov 17 (online ahead of print).

Nigrovic PA, Colbert RA, Holers VM, Ozen S, Ruperto N, Thompson SD, Wedderburn LR, Yeung RSM, Martini A. Biological classification of childhood arthritis: roadmap to a molecular nomenclature. *Nature Rev Rheum.* 2020. (In press).

OPEN POSITIONS

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

The **Shelef lab** (University of Wisconsin - Madison) has a postdoctoral position open in the area of autoantibodies.