



JBC Monthly Newsletter

June 2020

JBC Updates

- The JBC is now in **year 4**, with the underlying P30 AR070253 award ending 7/31/21. NIAMS has indicated that they intend to accept new P30 applications this October, and we are planning to re-apply. In this context, please send us any suggestions you have for ways we could improve JBC services or otherwise make an optimally compelling 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 June. The 2020 JBC Visiting Professor, **Dr. Timothy Niewold**, NYU, will give BWH Rheumatology Grand Rounds 8-9am on June 16 via Zoom. He will visit BWH in person at a later date.
- 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.

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

JBC Member News

AWARDS AND GRANTS

Dr. Ellen M. Gravallese has been appointed the Theodore Bevier Bayles Professor of Medicine at Harvard Medical School.

Joerg Ermann, MD was elected as Vice Chair of SPARTAN (Spondyloarthritis Research and Treatment Network).

Susan MacLauchlan, PhD has recently been awarded a grant from the ANRF to study the role of TET2 in rheumatoid arthritis. She has also been appointed as an Instructor in Medicine at Harvard Medical School. Congratulations to Susan!

Congratulations to **Dr. Ricardo Grieshaber-Bouyer** (Nigrovic lab) for *summa cum laude* honors on his medical thesis.

Julia Schnell (medical student, Nigrovic lab) was awarded PROMOS a scholarship by the German Academic Exchange Service.

Dr. Ricardo Grieshaber-Bouyer was awarded Physician Scientist Grant from the Heidelberg Faculty of Medicine (“Therapeutic reprogramming of neutrophils” 2020-23) as well as a 2020 Research Prize of the Deutsche Gesellschaft für Rheumatologie.

PUBLICATIONS

Ermann J. Pathogenesis of Axial Spondyloarthritis - Sources and Current State of Knowledge. *Currently Dis Clin North Am* 2020; 46(2):193-206.

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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 8;11(1):2289.

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Yuan J, Zhang C, **Sparks JA**, Malspeis S, Tsoi KK, Kim JH, Fisher BA, Gao F, Sumerlin T, Liu Y, Liu Y, Pan Y, He Y, Sung JJY. Regular use of proton pump inhibitor and risk of rheumatoid arthritis in women: A prospective cohort study. *Aliment Pharmacol Ther.* 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 daily alcohol consumption and SLE-related cytokines and chemokines among US female nurses. *Lupus.* 2020 (In Press).

Marchand NE, **Sparks JA**, Tedeschi SK, Malspeis S, Costenbader KH, **Karlson EW**, **Lu B**. Abdominal obesity in comparison with general obesity and risk of developing rheumatoid arthritis in women. *J Rheumatol.* 2020 (In Press).

Yozamp N, **Charles J**, Shah H, Vaidya A, Pallais JC. The Game Is Afoot. *N Engl J Med*. 2020;382(22):e78. doi:10.1056/NEJMimc1914302

Merlijn Kaaij, Melissa van Tok, I. Blijdorp, Carmen Ambarus, Michael Stock, Désiree Pots, Véronique Knaup, Marietta Armaka, Eleni Christodoulou, Tessa van Melsen, Huriatul Masdar, Harry Eskes, Nataliya Yeremenko, George Kollias, Georg Schett, **Sander Tas**, Leonie van Duivenvoorde, and Dominique Baeten. Transmembrane TNF drives osteoproliferative joint inflammation reminiscent of human spondyloarthritis. *J Exp Med* *in press*. doi: 10.1084/jem.20200288

van Lint JA, Jessurun NT, Hebing RCF, Hoentjen F, **Tas SW**, Vonkeman HE, van Doorn MBA, Sobels A, Spuls PI, van Puijenbroek EP, Nurmohamed MT, van den Bemt BJJ. Patient-Reported Burden of Adverse Drug Reactions Attributed to Biologics Used for Immune-Mediated Inflammatory Diseases. *Drug Saf*. 2020 May 25. doi: 10.1007/s40264-020-00946-z. Online ahead of print. PMID: 32451974.

Paranjape A, Haque TT, Kiwanuka K, Abdul Quayum A, Barnstein B, Finkelman F, **Nigrovic PA**, Ryan JJ. The Fyn-Stat5 cascade is required for Fcγ receptor-mediated mast cell function. *Clinical Immunol*. 2020 [in press].

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.