



JBC Monthly Newsletter

October 2019

JBC Updates

- **Next JBC Synergy Meeting** will be on October 25th, 12:30-1:30 p.m. (Bayles Conference Room, 15 Francis St).

Talk 1: Peter Nigrovic: Welcome to JBC Year 4

Talk 2: Kevin Wei & Fan Zhang: Interstitial lung disease in RA

- **Next Aims Review Committee Meeting** will be held on October 10th, 12:30-1:30pm, 2006VTC BTM.
- **JBC Mentorship Program** – next enrollment cycle coming soon! This program matches students, postdocs, fellows and junior faculty to career mentors outside their own research groups to help accelerate career development. The JBC Mentoring Program was recently selected for a Harvard-wide mentoring award (see Awards and Grants below).
- Amsterdam Rheumatology Center for AutoImmune Diseases (ARCAID) is looking for 20 ESRs (Early Stage Researchers) who want to apply for a PhD project (project 847551) funded by a European Horizon 2020 MSCA-COFUND grant. For more information, please visit <https://www.arcaid-h2020.eu/>

The JBC Team:

Peter Nigrovic, M.D.
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

Cellular Systems Core:

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

JBC Member News

AWARDS AND GRANTS

Peter Nigrovic, Jeffrey Sparks and Dan Solomon received the **Harvard Program Award for Culture of Excellence in Mentoring** for the “Rheumatology Mentoring Suite” including the JBC Mentorship Program.

PUBLICATIONS

Zaccardelli A, Friedlander HM, Ford JA, **Sparks JA**. Potential of lifestyle changes for reducing the risk of developing rheumatoid arthritis: Is an ounce of prevention worth a pound of cure? *Clin Ther*. 2019 Jul;41(7):1323-1345.

Kronzer VL, Crowson CS, **Sparks JA**, Vassallo R, Davis JM III. Investigating asthma, allergic disease, passive smoke exposure, and risk of rheumatoid arthritis. *Arthritis Rheumatol*. 2019 Aug;71(8):1217-1224.

Huang S, He X, Doyle TJ, Zaccardelli A, Marshall AA, Friedlander HM, Blaustein RB, Smith EA, Cui J, Iannaccone CK, Mahmoud TG, Weinblatt ME, Dellaripa PF, Shadick NA, **Sparks JA**. Association of rheumatoid arthritis-related autoantibodies with pulmonary function test abnormalities in a rheumatoid arthritis registry. *Clin Rheumatol*. 2019 Aug 13. doi: 10.1007/s10067-019-04733-9. [Epub ahead of print]

Liu X, Tedeschi SK, Lu B, Zaccardelli A, Speyer CB, Costenbader KH, **Karlson EW, Sparks JA**. Long-term physical activity and subsequent risk for developing rheumatoid arthritis among women: A prospective cohort study. *Arthritis Rheumatol*. 2019 Sep;71(9):1460-1471.

Sparks JA, He X, Huang J, Fletcher EA, Zaccardelli A, Friedlander HM, Gill RR, Hatabu H, Nishino M, Murphy DJ, Iannaccone CK, Mahmoud TG, Frits ML, Lu B, Rosas IO, Dellaripa PF, Weinblatt ME, **Karlson EW, Shadick NA***, Doyle TJ*. Rheumatoid arthritis disease activity predicting incident clinically apparent RA-associated interstitial lung disease: A prospective cohort study. *Arthritis Rheumatol*. 2019 Sep;71(9):1472-1482.

Kronzer VL, Crowson CS, **Sparks JA**, Myasoedova E, Davis JM III. Comorbidities as risk factors for rheumatoid arthritis (RA) and accrual after RA diagnosis. *Mayo Clin Proc*. 2019 (In Press).

Sparks JA. No association of bariatric surgery with reduced rheumatoid arthritis risk: Where do we go from here? *Rheumatology*. 2019 (In Press).

Bocharnikov AV, Keegan J, Wacleche VS, Cao C, Fonseka CY, Wang G, Muise E, Zhang KX, Arazi A, Keras G, Li ZJ, Qu Y, Gurish MF, Accelerating Medicines Partnership RA/SLE Network, Petri M, Buyon JP, Putterman C, Wofsy D, James JJ, **Raychaudhuri S**, Diamond B, Anolik JH, Mackey MF, Alves SE, **Nigrovic PA**, Costenbader KH, **Brenner MB, Lederer JA, Rao DA**. Expanded PD-1hi CXCR5- T peripheral helper cells promote B cells responses in lupus via IL-21. *JCI Insight* 2019 Sep 19. pii: 130062. [Epub ahead of print]

Hou L, Balzaroloc M, **Rao DA**, Yuki K, Cooley J, **Henderson LA, Jonsson AH**, Kaisermani D, Gorman MP, **Nigrovic PA**, Bird PI, Becher B, Remold-O'Donnell E. SerpinB1 controls encephalitogenic T helper cells in neuroinflammation. *Proc Nat Acad Sci USA* 2019 Sep 23. pii: 201905762. [Epub ahead of print]

Chang HH, Ho CH, Tomita B, Silva AA, **Sparks JA, Karlson EW, Rao DA**, Lee YC, **Ho IC**. Utilizing a PTPN22 gene signature to predict response to targeted therapies in rheumatoid arthritis. *J Autoimmun*. 2019 101:121-130. PMID:PMC6556429