



JBC Monthly Newsletter

JANUARY 2019

JBC Updates

Next JBC Synergy Meeting:

Date: January 25th, 2019

Time: 12:30—1:30 p.m.

Location: BTM 02006B

THE JBC TEAM

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

Human Biosamples Core:

- **Elizabeth Karlson, M.D.**
Director (BWH)
- **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 (BWH)
- **Chad Nusbaum, Ph.D.**
Associate Director
Broad Institute
- **Peter Nigrovic, M.D.**
Associate Director BWH

- **Next JBC Synergy Meeting** will be on January 25th, 12:30-1:30 p.m. (BTM 02006B).

Speaker: Kamil Slowikowski

Topic: Finding mediators of the response to TNF and IL-17: RNA-seq with time-series, dose-response, and gene silencing

Speaker: Tracy Doyle, MD

Topic: Biomarkers and genetics of RA-ILD

- JBC Microgrant Deadline is Feb 4th! Please visit our website for more information regarding services and prices.

JBC Member News

Publications

Singh JA, Guyatt G, Oldie, Gladman DD, Deal C, Deodhar A, Dubreuil M, Dunham J, Husni ME, Kenny S, Kwan-Morley J, Lin J, Marchetta P, Mease PJ, Merola JF, Miner J, Ritchlin CT, Siaton B, Smith BJ, Van Voorhees AS, **Jonsson AH**, Shah AA, Sullivan N, Turgunbaev M, Coates LC, Gottlieb A, Magrey M, Nowell WB, Orbai AM, Reddy SM, Scher JU, Siegel E, Siegel M, Walsh JA, Turner AS, Reston J. Special Article: 2018 American College of Rheumatology/National Psoriasis Foundation Guideline for the Treatment of Psoriatic Arthritis. *Arthritis Care Res (Hoboken)*. 2019 Jan;71(1):2-29. doi: 10.1002/acr.23789

JBC Member News (continued)

Publications

Al-Rousan T*, **Sparks JA***, Pettinger M, Chlebowski R, Manson JE, Kauntiz AM, Wallace R. Menopausal hormone therapy and the incidence of carpal tunnel syndrome in postmenopausal women: Findings from the Women's Health Initiative. PLoS ONE. 2018 Dec 4;13(12):e0207509 *Contributed equally.

Marshall AA, Zaccardelli A, Yu Z, Prado MG, Liu X, Miller Kroouze R, Kalia SS, Green RC, Triedman NA, Lu B, Deane KD, Iversen MD, Karlson EW, Sparks JA. Effect of communicating personalized rheumatoid arthritis risk on concern for developing RA: A randomized controlled trial. Patient Educ Couns. 2018 Dec 10. pii: S0738-3991(18)30557-3. doi: 10.1016/j.pec.2018.12.011. [Epub ahead of print]

Ford JA, **Liu X, Marshall AA, Zaccardelli A, Prado MG, Wiyarand C, Lu B, Karlson EW, Schur PH, Deane KD, Sparks JA.** Impact of cyclic citrullinated peptide antibody level on progression to rheumatoid arthritis in clinically tested CCP-positive patients without RA. Arthritis Care Res. 2018 Dec 20. doi: 10.1002/acr.23820. [Epub ahead of print]

Sparks JA, Doyle TJ, He X, Pan B, Iannaccone CK, Frits ML, Dellaripa PF, Rosas IO, Lu B, Weinblatt ME, Shadick NA*, Karlson EW*. Incidence and predictors of dyspnea on exertion in a prospective cohort of patients with rheumatoid arthritis. ACR Open Rheum. 2018 (In Press). *Contributed equally.

Sparks JA, O'Reilly EJ, Barbhaiya M, Tedeschi SK, Malspeis S, Lu B, Willett WC, Costenbader KH, Karlson EW. Association of fish intake and smoking with risk of rheumatoid arthritis and age of onset: A prospective cohort study. BMC Musculoskelet Disord. 2019 Jan 5;20(1):2.

Sparks JA. Rheumatoid arthritis. Ann Intern Med. 2019;170(1):ITC1-ITC16.

JBC Member News (continued)

Publications

Heather A. Carey, Blake E. Hildreth III, Devadoss J. Samuvel, Katie A. Thies, Thomas J. Rosol, Ramiro E. Toribio, **Julia F. Charles**, Michael C. Ostrowski, and Sudarshana M. Sharma . Eomes partners with PU.1 and MITF to Regulate Transcription Factors Critical for osteoclast differentiation. *iScience*, Vol. 11, p238–245

Weaver SR, Fricke HP, Xie C, Aiello RJ, **Charles JF**, Hernandez LL. Peripartum dietary supplementation of a small molecule inhibitor of tryptophan hydroxylase 1 compromises infant, but not maternal, bone. *Am J Physiol Endocrinol Metab*. 2018 Oct 23. doi: 10.1152/ajpendo.00198.2018. [Epub ahead of print]