



JBC Monthly Newsletter

JANUARY 2018

JBC Updates

Next JBC Synergy Meeting:

Date: January 19th, 2017

Time: 12:30—1:30 p.m.

Location: BTM 02006B

- **Next JBC Synergy Meeting** will be on January 19th, 12:30-1:30 p.m. (BTM 02006B). Drs. I-Cheng Ho, MD, PhD and Sara Tedeschi, MD will speaking about their research work, one of which is supported by JBC microgrants.
- **Next microgrant deadline: February 5th, 2018**

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

JBC Member News

Awards :

Dr. **Jeffery Sparks** (BWH) was awarded the Early Career Mentoring Award– 2017 DOM Mentoring Award

Dr. **Erika Noss** (University of Washington Medicine) was awarded the University of Washington Institute of Translational Health Sciences Grant Award titled “Understanding how genetic markers of synovial fibroblast IL-6 expression predict local inflammation in juvenile idiopathic arthritis (JIA)”

JBC Member News (continued)

Publications (JBC running total: 17)

Prado MG, Iversen MD, Yu Z, Miller Kroouze R, Triedman NA, Kalia SS,

Lu B, Green RC, **Karlson EW**, **Sparks JA**. Effectiveness of a web-based personalized rheumatoid arthritis risk tool with or without a health educator for knowledge of RA risk factors. *Arthritis Care Res.* 2018 (In Press).

Sparks JA, Costenbader KH. Rheumatoid arthritis in 2017: Protective dietary and hormonal factors. *Nat Rev Rheumatol.* 2018 (In Press)

Orr C, Vieira-Sousa E, Boyle DL, Buch MH, Buckley CD, Cañete JD, Catrina AI, Choy EHS, Emery P, Fearon U, Filer A, Gerlag D, Humby F, Isaacs JD, Just SA, Lauwerys BR, Goff BL, Manzo A, McGarry T, McInnes IB, Najm A, Pitzalis C, Pratt A, Smith M, Tak PP, **Tas SW**, Thurlings R, Fonseca JE, Veale DJ. Synovial tissue research: a state-of-the-art review. *Nat Rev Rheumatol.* 2017 Dec 19;14(1):60. doi: 10.1038/nrrheum.2017.206. PubMed PMID: 29255214.

van Hamburg JP, **Tas SW**. Molecular mechanisms underpinning T helper 17 cell heterogeneity and functions in rheumatoid arthritis. *J Autoimmun.* 2017 Dec 15. pii: S0896-8411(17)30801-6. doi: 10.1016/j.jaut.2017.12.006. [Epub ahead of print] Review. PubMed PMID: 29254845.

Yan J, Takakura A, Zandi-Nejad K, **Charles JF**. Mechanisms of gut microbiota mediated bone remodeling. *Gut Microbes*, 2017, Sep 29:1-9.

Bird IM, Kim SH, Schweppe DK, Caetano-Lopes J, Robling AG, **Charles JF**, Gygi SP, Warman ML, Smits PJ. The skeletal phenotype of Achondrogenesis type 1A is caused exclusively by cartilage defects. *Development*, 2017, Nov 27, epub ahead of print.

Yan, J and **Charles, JF**. Gut microbiome and bone: to build, destroy or both? *Curr Osteoporos Rep.* 2017, Aug;15(4):376-384. PMC5538387

Li G, **Martinez-Bonet M**, Wu D, Yang Y, **Cui J**, Nguyen HN, **Cunin P**,

Levescot A, Bai M, Westra H-J, Okada Y, **Brenner MB**, **Raychaudhuri S**, Hendrickson EA, Maas RL, **Nigrovic PA**. High Throughput Identification of Non-Coding Functional SNPs via Type IIS Enzyme Restriction. *Nature Genetics* 2018 [in press]. (JBC #17)

Nigrovic PA, Beukelman T, Tomlinson G, Feldman BM, Schanberg LE,

Kimura Y and the Childhood Arthritis and Rheumatology Research Alliance (CARRA) Systemic JIA CTP Workgroup. Bayesian comparative effectiveness study of four consensus treatment plans for initial management of systemic juvenile idiopathic arthritis: FiRst Line Options for Systemic JIA Treatment (FROST). *Clinical Trials* 2018 [in press]