



JBC Monthly Newsletter

November 2019

JBC Updates

- Welcome **Dr. Kevin Wei** as the new **Associate Director** of the Cellular Systems Core of JBC!



- **Next JBC Synergy Meeting** will be on November 22nd, 12:30-1:30 p.m. (Marshall A. Wolf Conference Center (60 Fenwood Rd) 3rd Floor). Speakers TBD.
- **JBC Mentorship Cocktail Reception** will be on November 22nd, 4:30 p.m.-7p.m. (Hale Atrium Lobby)
- **Next Aims Review Committee Meeting** will be held on December 5th.
- We are delighted to announce the **6 JBC Microgrant awardees** for the October 2019 cycle:

| Awardees | Grant Title |
|-------------------|---|
| Roxane Darbousset | Platelets as neutrophil amplifiers in systemic sclerosis |
| Heather Faust | Molecular profiling of healthy synovium |
| Ching-Huang Ho | Drug-specific impacts of TNF inhibitors on the transcriptome of Th cells |
| Amelie Jule | Transcriptomic profiling of Clonally Expanded T Cells in Oligoarticular Juvenile Idiopathic Arthritis |
| Taehyeung Kim | Identification of immune pathways regulated by non-coding variants at CD28/CTLA4/ICOS |
| Qiang Wang | Identification of a functional non-coding variant governing expression of TRAF1 |

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

Pierre Cunin, PhD, DPharm was awarded a 2-year Gilead Research Scholars Program grant for his proposal “Pathways mediating the megakaryocyte contribution to arthritis.”

PUBLICATIONS

Cunin P, Nigrovic PA. Megakaryocyte emperipolesis: a new frontier in cell-in-cell interaction. [invited review] *Platelets* 2019 [in press]

Cheng HD, Tirosh I, de Haan N, Stöckmann H, Adamczyk B, McManus CA, O’Flaherty R, Greville G, Saldova F, Bonilla F, Notarangelo LD, Driessen GJ, Holm IA, Rudd PM, Wuhrer M, Ackerman ME* and **Nigrovic PA***. IgG Fc glycosylation as an axis of humoral immunity in childhood. *J Allerg Clin Immunol* 2019 [in press]

Lee PY*, Schulert G, Canna SW, Huang Y, Sundel J, Li Y, Hoyt KJ, **Blaustein RB**, Do T, **Halyabar O**, **Chang MH**, Dedeoglu F, Case SM, Meidan E, Lo MS, Sundel RP, Richardson ET, Newburger JW, Hershfield MS, Son MB, **Henderson LA**, **Nigrovic PA***. Adenosine deaminase 2 as a biomarker of macrophage activation syndrome in systemic JIA. *Ann Rheum Dis* 2019 [in press]

Zaccardelli A*, Liu X*, Ford JA, Cui J, Lu B, Chu SH, Schur PH, Speyer CB, Costenbader KH, Robinson WH, Sokolove J, **Karlson EW**, Camargo CA, **Sparks JA**. Asthma and elevation of anti-citrullinated protein antibodies prior to the onset of rheumatoid arthritis. *Arthritis Res Ther.* 2019 (In Press). *Contributed equally.

Tedeschi SK, Barbhuiya M, **Sparks JA**, **Karlson EW**, Kubzansky LD, Roberts AL, Willett WC, Lu B, Costenbader KH. Dietary patterns and risk of systemic lupus erythematosus in women. *Lupus.* 2019 (In Press).

Bo Sun, **Hui-Hsin Chang**, Ari Salinger, Beverly Tomita, Mandar Bawadekar, **Miriam A. Shelef**, Eranthie Weerapana, Paul T. Thompson and **I-Cheng Ho**. Reciprocal regulation of Th2 and Th17 cells by PAD2-mediated citrullination. *J Immunol* May 1, 2019, 202 (1 Supplement) 124.2;