



JBC Monthly Newsletter

May 2023

JBC UPDATES

The next **JBC Synergy Meeting** is scheduled for Friday May 26, 12:30-1:30, Zoom, with speakers:

- Deepak Rao, MD, PhD (BWH) “Tracking T cells through space and time using TCRs”
- Elena Joerns, MD (UT Southwestern) “Untangling autoimmunity in interstitial pneumonia with autoimmune features”

JBC MEMBER NEWS

- Congratulations to **Dr. Jeffrey Sparks** (BWH) on his promotion to Associate Professor of Medicine at Harvard Medical School.
- **Christian Jacome-Galarza** has been awarded a **2023 BWH Minority Faculty Career Development Award**. The mentor for this award is **Dr. Ellen Gravallese**.
- **David Hoytema van Konijnenburg** (BCH Immunology) will present the following poster at the **Clinical Immunology Society 2023 Annual Meeting**: “David P. Hoytema van Konijnenburg, MD, PhD, Catherine B. Nowak, MD, Alexandra E. Griffith, PA-C, Jodie Ouahed, MD, MMSc, Lauren A. Henderson, MD, MMSc, Brittany Esty, MD, MPH, Craig D. Platt, MD, PhD, A chromosomal deletion leading to BACH2 haploinsufficiency, hypogammaglobulinemia and recurrent infections without intestinal inflammation or autoimmunity”.
- Congratulations to **Dr. Margaret Chang** (BCH)
 - She gave an oral abstract presentation at the **Pediatric Rheumatology Symposium (PRSYM)** titled “Generation of Human Resident Memory T Cells in 3D Synovial Organoid Model”.
 - She was selected to receive the **Boston Children’s Hospital OFD/CTREC/BTREC career development fellowship award**.
 - She received the **Arthritis National Research Foundation Grant Award** for her project titled “Inflammatory mediators of synovial resident memory T cell formation.” The mentor for the award is **Dr. Peter Nigrovic**.

The JBC Team:

- Peter Nigrovic, M.D.
Director (BCH & BWH)
- Elizabeth Karlson, M.D.
Co-PI, Associate Director
- Jeffrey Sparks, M.D., M.M.Sc.
Co-PI, Associate Director

Human Biosamples Core:

- Jeffrey Sparks, M.D., M.M.Sc.
Director
- Lauren Henderson, M.D., M.M.Sc.
Associate Director BCH
- Deepak Rao, MD, PhD
Associate Director

Cellular Systems Core:

- Jim Lederer, Ph.D.
Director
- Kevin Wei, M.D., Ph.D.
Associate Director
- Maria Gutierrez-Arcelus, PhD
Associate Director

- Congratulations to **Dr. Taehyeung Kim** (BCH), who received the **Arthritis National Research Foundation Grant Award** for his project titled “A non-coding genetic risk variant that controls Treg abundance.” The mentor for the award is **Dr. Peter Nigrovic**.
- Congratulations to **Dr. Maria Gutierrez-Arcelus** (BCH), who was awarded a Lupus Research Alliance Diversity in Lupus Research Career Development Award entitled “Alternative splicing dysregulation in B cells and its role in SLE heterogeneity”.
- Congratulations to all 12 Year 7 Cycle 2 JBC Microgrant recipients (the most ever in one cycle for us):
 - **Spoorthi Balu** (Nigrovic/Chang labs, BCH)
 - **Sabrina Bracero** (Rao lab, BWH)
 - **Raquel Briviesca** (Nigrovic lab, BCH)
 - **Michael Del Mundo** (Nigrovic lab, BCH)
 - **Yan Du** (Lee lab, BCH)
 - **Maryrose Hahn** (Chang lab, BCH)
 - **Yunju Jeong** (Kim lab, BWH)
 - **Priyanka Kushwaha** (Gravallese lab, BWH)
 - **Ki Pui Lam** (Henderson lab, BCH)
 - **Chilan Bou Ghosson Leite** (Charles/Lattermann labs, BWH)
 - **Flavien Marguerie** (Ho lab, BWH)
 - **Alexandra Pommier** (Henderson lab, BCH)

JBC MEMBER PUBLICATIONS

- **Holly Wobma**, MD PhD¹, Malika Kapadia, MD^{2,3}, Haesook T. Kim, PhD⁴, Francesca Alvarez Calderon, MD PhD^{2,3}, Susanne Baumeister, MD^{2,3}, Christine Duncan, MD^{2,3}, Suzanne Forrest, MD^{2,3}, Lev Gorfinkel, MD^{2,3}, Jennifer Huang, MD¹, Leslie E. Lehmann, MD^{2,3}, Hojun Li, MD PhD^{2,3}, Marc Schwartz, MD PhD^{2,3}, John Koreth, MBBS DPhil⁵, Jerome Ritz, MD⁵, Leslie S. Kean, MD PhD^{2,3}, Jennifer S. Whangbo, MD PhD^{2,3} Real-world experience with low-dose IL-2 for children and young adults with refractory chronic graft-versus-host disease. *Blood Adv.* 2023 May 24: bloodadvances.2023009729. doi: 10.1182/bloodadvances.2023009729. Online ahead of print.
- Fa’ak F, Buni M, Falohun A, Lu H, Song J, Johnson D, Zobniw CM, Trinh VA, Awiwi MO, Elsayes KM, Ludford K, Dimitrova M, Sandigursky S, Cunningham-Bussel A, **Sparks JA**, Abu-Shawer O, Rahma OE, Thanarajasingam U, Zeman AM, Talukder R, Singh N, Chung SH, Grivas P, Daher M, Abudayyeh A, Weber JS, Tayar J, Diab A, Suarez-Almazor M, Abdel-Wahab N, Diab A. Selective immune suppression using interleukin-6 inhibitors for management of immune-related adverse events. *J Immunother Cancer.* 2023 (In Press).
- Zheni Stavre , Jung-Min Kim, Yeon-Suk Yang, Kerstin Nündel , Sachin Chaugule , Tadatashi Sato, Kwang Hwan Park, Guangping Gao, **Ellen M. Gravallese**, and Jae-Hyuck Shim, Schnurri-3 inhibition suppresses bone and joint damage in models of rheumatoid arthritis. *PNAS* In Press
- **Susan MacLauchlan**, Priyanka Kushwaha, Albert Tai, Jia Chen, Catherine Manning, Gaurav Swarnkar, Yousef Abu-Amer, Katherine A. Fitzgerald, Shruti Sharma, and **Ellen M. Gravallese**. STING-dependent interferon signatures restrict osteoclast differentiation and bone loss in mice. *PNAS.* 2023; 11:120(15):e2210409120. PMID: PMC10104545.

- Takeoka Y, Kanda Y, **Kang JD**, Mizuno S. Regenerative Capability of Human Nucleus Pulposus Cells in Degenerated Disc Under Hydrostatic Pressure Mimicking Physiologically Relevant Intradiscal Pressure In Vitro. *Spine (Phila Pa 1976)*. 2023 May 15;48(10):728-736. doi: 10.1097/BRS.0000000000004530. Epub 2023 Mar 1. PMID: 36856558; PMCID: PMC10118243.

OPEN POSITIONS

Please let us know if you would like your open positions posted here!