



JBC Monthly Newsletter

February 2024

JBC UPDATES

- Please join us at a special catered **JBC Synergy Meeting** on February 16th 12:00-1:00 (VTC 2006b; Hale Building 2nd floor conference room off The Pike) with speakers:
 - **Lauren Henderson M.D., Ph.D.** (BCH)
 - “The Intersection of Autoimmunity and Immunodeficiency-Building a Team to Care for Patients with Immune Dysregulation”
 - **Craig Platt M.D., Ph.D.** (BCH)
 - “Flow Cytometry-Based Biomarkers of Immune Dysregulation”
- **JBC Mentorship Program** application deadline is March 8th. Please visit our [website](#) for more information on the program and click [here](#) to apply.

JBC MEMBER NEWS

- **Dr. Julia Charles** received an Orphan Disease Center Million Dollar Bike Ride Pilot grant titled “Spatial transcriptomics to elucidate the mechanism of anti-RANKL inhibition of fibrous dysplasia bone lesions”.
- **Dr. Lauren Henderson** was selected to receive an ASCI Young Physician-Scientist Award from the American Society for Clinical Investigation, recognizing physician-scientists who are early in their first faculty appointment and have made notable achievements in their research.

JBC MEMBER PUBLICATIONS

- **Mizuno S, Vadala G, Kang JD.** Biological Therapeutic Modalities for Intervertebral Disc Diseases: An Orthoregeneration Network (ON) Foundation Review. *Arthroscopy: The Journal of Arthroscopic & Related Surgery*, 2023 Oct 31. <https://doi.org/10.1016/j.arthro.2023.10.032>
- **Merkt W, Freitag M, Claus M, Kolb P, Falcone V, Röhrich, Rodon L, Deicher F, Andreeva I, Tretter T, Tykocinski LO, Blank Nm Watzl C, Schmitt A, Sauer T, Müller-Tidow C, Polke M, Heußel CP, Dreger P, Lorenz HM, Schmitt M.** Third-generation CD19.CAR-T cell-containing combination therapy in Scl70+ systemic sclerosis. *Annals of the Rheumatic Diseases* Published Online First: 22 December 2023. doi: 10.1136/ard-2023-225174
- **Charles JF, Malabanan AO, Krolczyk S, Dahir K.** Rare causes of musculoskeletal pain: thinking beyond common rheumatologic diseases. *Case Reports in Rheumatology*, in press.

The JBC Team:

- Peter Nigrovic, M.D.
Director (BCH & BWH)
- Elizabeth Karlson, M.D., M.S.
Associate Director
- Jeffrey Sparks, M.D., M.M.Sc.
Multi-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, M.D., Ph.D.
Associate Director

Cellular Systems Core:

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

- Liu C, Seyok T, Moye S, Sugita L, Eltouny E, Carrera C, Denagamage P, **Charles JF**, Fitz W, **Chen AF**, Earp B. High Rates of Vitamin D Insufficiency among Patients Presenting for Total Knee Arthroplasty, JOR, in press
- **Kim H**, Liu Y, Kim J, Kim Y, Klouda T, Fisch S, Baek SH, Liu T, Dahlberg S, Hu CJ, Tian W, Jiang X, Kosmas K, Christou HA, Korman BD, Vargas SO, Wu JC, Stenmark KR, Perez V de J, Nicolls MR, Raby BA, **Yuan K**. Pericytes contribute to pulmonary vascular remodeling via HIF2 α signaling. EMBO Rep. Published online January 19, 2024. doi:10.1038/s44319-023-00054-w
- Taiji R, **Kang JD**, **Mizuno S**. Cellular behavior and extracellular matrix turnover in bovine annulus fibrosus cells under hydrostatic pressure and deviatoric strain. J Orthop Res. 2024; 1-9. doi:10.1002/jor.25779
- **Sparks JA**. Pre-existing autoimmune diseases and immune checkpoint inhibitors for cancer treatment: Considerations about initiation, flares, immune-related adverse events, and cancer progression. Rheum Dis Clin. 2024 (In Press).
- Ladouceur A, Clifford A, Ezdoglian A, Jamal S, Hudson M, **Sparks JA**, Roberts J, Ye C. The utility of laboratory investigations for the assessment and management of rheumatic immune-related adverse events. Rheum Dis Clin. 2024 (In Press).
- Kronzer VL, **Sparks JA**, **Raychaudhuri S**, Cerhan JR. The promise of exome and genome sequencing for rheumatoid arthritis risk. Nat Rev Rheumatol. 2024 (In Press).

OPEN POSITIONS

The Nigrovic lab (BCH) is seeking new postdoctoral fellows in the fields of (1) non-coding genetic variants in human autoimmunity and (2) megakaryocyte-neutrophil emperipolesis using 2-photon microscopy and other methods. Please direct inquiries to peter.nigrovic@childrens.harvard.edu.

The Chang Lab is hiring for a postdoctoral position in the areas of T cell biology and human and animal models of arthritis. Please direct inquiries to margaret.chang@childrens.harvard.edu.

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