



JBC Monthly Newsletter

July 2022

JBC UPDATES

- The **JBC Synergy Meeting**, **JBC Aims Review Committee meeting**, and **JBC Data Club** will be taking a summer break in July and August, but will resume in the fall.
- The JBC now offers proteomics profiling using the Olink proximity extension technology. The Olink Q-100 instrument on Karp 10 (BCH) is capable of running the 45-cytokine and Target 96 panels. We are certified to run the Target 45-cytokine panel (details in the link below) and anticipate certification for Target 96 panels later this summer.
<https://www.olink.com/products-services/target/48-cytokine-panel/>
Please contact Pui Lee (pui.lee@childrens.harvard.edu) if you are interested.

JBC MEMBER NEWS

- Congratulations to **Janet Chou** (BCH) for winning the first annual Division of Immunology Allergy Immunology Fellowship Faculty Teaching Award.
- Congratulations to **Holly Wobma** (BCH), who won the Frederick H. Lovejoy Jr. Fellow Teaching Award, given by BCH pediatrics house staff to the single first-year fellow who contributed most to their education.

JBC MEMBER PUBLICATIONS

- **Jonsson AH**, Zhang F, Dunlap G, Gomez-Rivas E, Watts GFM, **Faust HJ**, Rupani KV, Mears JR, Meednu N, Wang R, Keras G, Coblyn JS, Massarotti EM, Todd DJ, Anolik JH, McDavid A; Accelerating Medicines Partnership RA/SLE Network, **Wei K**, **Rao DA**, **Raychaudhuri S**, **Brenner MB**. Granzyme K+ CD8 T cells form a core population in inflamed human tissue. *Sci Transl Med*. 2022 Jun 15;14(649):eabo0686. doi: 10.1126/scitranslmed.aboo686. Epub 2022 Jun 15. PMID: 35704599.
- Khodadust F, Ezdoglian A, Steinz MM, van Beijnum JR, Zwezerijnen GJC, Jansen G, **Tas SW**, van der Laken CJ. Systematic Review: Targeted Molecular Imaging of Angiogenesis and Its Mediators in Rheumatoid Arthritis. *Int. J. Mol. Sci.*. 2022; 23(13):7071. <https://doi.org/10.3390/ijms23137071>.
- Ebru Dirikgil, **Sander W Tas**, Cornelis A Verburgh, Darius Soonawala, A Elisabeth Hak, Hilde H F Remmelts, Daphne IJpelaar, Gozewijn D Laverman, Abraham Rutgers, Jaap M van Laar, Hein J

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
Associate Director

Bernelot Moens, Peter M J Verhoeven, Ton J Rabelink, Willem Jan W Bos, Y K Onno Teng, for the Autoimmune Research & Collaboration Hub (ARCH) study group. Identifying relevant determinants of in-hospital time to diagnosis for ANCA-associated vasculitis patients. *Rheumatology Advances in Practice*, Volume 6, Issue 2, 2022, rkac045, <https://doi.org/10.1093/rap/rkac045>.

- Mehta P, Redhead G, Nair A, **Sparks JA**, Porter J. Can we finally exonerate methotrexate as a factor in causing or exacerbating fibrotic interstitial lung disease in patients with rheumatoid arthritis?. *Clin Rheumatol*. 2022 Jun 22. doi: 10.1007/s10067-022-06245-5. Online ahead of print.
- Izadi Z, Gianfrancesco MA, Hyrich KL, Strangfeld A, Gossec J, Carmona L, Mateus E, Lawson-Tovey S, Trupin L, Rush S, Katz P, Schmajuk G, Jacobsohn L, Al Emadi S, Wise L, Gilbert EL, Duarte-Garcia A, **Sparks JA**, **Hsu TY**, D'Silva KM, Serling-Boyd N, Bhana S, Costello W, Grainger R, Hausmann JS, Liew JW, Sirotich E, Sufka P, **Wallace ZS**, Robinson PC, Machado PM, Yazdany J. Predicting COVID-19 acute respiratory distress syndrome in patients with rheumatic diseases using supervised machine learning: Results from the Global Rheumatology Alliance Provider Registry analysed using artificial intelligence. *ACR Open Rheumatol*. 2022 (In Press).
- Barbaiya M, Hart JE, Malspeis S, **Tedeschi SK**, VoPham T, **Sparks JA**, **Karlson EW**, Laden F, **Costenbader KH**. Association of ultraviolet-B radiation and risk of SLE among women in the Nurses' Health Studies. *Arthritis Care Res*. 2022 Jun 20. doi: 10.1002/acr.24974. Online ahead of print.
- Li H, Dalbeth N, **Wallace ZS**, **Sparks JA**, Zeng C, Wang Y, Xie D, Wei J, Lei G, Zhang Y. Risk of gout flares after COVID-19 vaccination: A case-crossover study. *Semin Arthritis Rheum*. 2022 (In Press).

OPEN POSITIONS

- The Grieshaber-Bouyer Lab (Heidelberg) is looking for a postdoctoral scientist in the field of Systems Immunology