



## Center for Skeletal Research Newsletter *June 2023*

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### CSR Summer Lecture Series

Wednesday, June 7, 2023 • 4:00pm – 5:00pm ET

Occurs every week of the summer. [Click here](#) for full schedule.

*Target audience:* summer students, new techs, and post-docs.

#### Henry Kronenberg, MD

*“Bone cells and their functions”*

Director Center for Skeletal Research  
Massachusetts General Hospital

Zoom information sent to all members in calendar invite. Email [CSRmail@partners.org](mailto:CSRmail@partners.org) for Zoom link.

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### Join the CSR Mentorship Program!

If you are interested in joining the CSR Mentorship Program as a mentor, please [click here](#) to take a brief 5-minute survey identifying your interests.

*Recommended commitment is 1 hour per quarter* (this can vary with your preference).

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### Sponsored by the CSR

#### Pain Assessment in Mouse Models: A Virtual Workshop

June 28, 3:30-5pm ET

Talk 3:30-4:30pm; Open Q&A 4:30 – 5:00 pm

#### Rachel Miller, PhD

Associate Professor, Division of Rheumatology  
Behavioral Core Director, Chicago Center on MSK Pain  
Rush University Medical Center  
<https://mskpain.center>

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### Sponsored by the CSR Clinical Working Group

#### From Rare to Common – Using Inspirations from a Rare Bone Disease to Develop Novel Treatments and Understand Common Disorders

June 29, 4:00 – 5:00 pm ET

Talk 3:30-4:30pm; Open Q&A 4:30-5pm



#### Edward Hsiao, MD, PhD

Division of Endocrinology and Metabolism  
Institute for Human Genetics  
Eli and Edythe Broad Institute for Regeneration Medicine  
Program for Craniofacial Biology  
University of California, San Francisco



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## Recently Published by the CSR Community

Sato T, Andrade CDC, Yoon SH, Zhao Y, Greenlee WJ, Weber PC, Viswanathan U, Kulp J, Brooks DJ, Demay MB, Bouxsein ML, Mitlak B, Lanske B, Wein MN. Structure-based design of selective, orally available salt-inducible kinase inhibitors that stimulate bone formation in mice. *Proc Natl Acad Sci U S A*. 2022 Dec 13;119(50):e2214396119. doi: [10.1073/pnas.2214396119](https://doi.org/10.1073/pnas.2214396119). Epub 2022 Dec 6. PMID: 36472957.

Karagianni A, Matsuura S, Gerstenfeld LC, Ravid K. Inhibition of Osteoblast Differentiation by JAK2<sup>V617F</sup> Megakaryocytes Derived From Male Mice With Primary Myelofibrosis. *Front Oncol*. 2022 Jul 8;12:929498. doi: [10.3389/fonc.2022.929498](https://doi.org/10.3389/fonc.2022.929498). PMID: 35880162; PMCID: PMC9307716.

Daley EJ, Yoon SH, Reyes M, Bruce M, Brooks DJ, Bouxsein M, Potts JT, Kronenberg HM, Wein MN, Lanske B, Jüppner H, Gardella TJ. Actions of Parathyroid Hormone Ligand Analogues in Humanized PTH1R Knockin Mice. *Endocrinology*. 2022 Jul 1;163(7):bqac054. doi: [10.1210/endo/bqac054](https://doi.org/10.1210/endo/bqac054). PMID: 35460406; PMCID: PMC9167040.

Phan HTN, Loomis J, Abraham S, He Q, Bastepe M, Smrcka AV. A naturally occurring membrane-anchored G $\alpha$ s variant, XL $\alpha$ s, activates phospholipase C $\beta$ 4. *J Biol Chem*. 2022 Jun 13;298(8):102134. doi: [10.1016/j.jbc.2022.102134](https://doi.org/10.1016/j.jbc.2022.102134). Epub ahead of print. PMID: 35709985; PMCID: PMC9294334.

Young C, Caffrey M, Janton C, Kobayashi T. Reversing the miRNA -5p/-3p stoichiometry reveals physiological roles and targets of miR-140 miRNAs. *RNA*. 2022 Jun;28(6):854-864. doi: [10.1261/rna.079013.121](https://doi.org/10.1261/rna.079013.121). Epub 2022 Mar 24. PMID: 35332065; PMCID: PMC9074898.

Shaw AT, Yan J, Kuhstoss SA, Charles JF, Gravallesse EM. Dickkopf-1 directs periosteal bone formation in two murine models of inflammatory arthritis. *Scand J Rheumatol*. 2022 Mar 11:1-5. doi: [10.1080/03009742.2022.2040136](https://doi.org/10.1080/03009742.2022.2040136). Epub ahead of print. PMID: 35272576.

Mor Grinstein, Stephanie L Tsai, Daniel Montoro, Heather L Dingwall, Ken Zou, Moshe Sade-Feldman, Miho J Tanaka, Terence D Capellini, Jayaraj Rajagopal, Jenna L Galloway. *BioRxiv* doi: <https://doi.org/10.1101/2022.02.02.478533>

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