

LIVER DIGEST

A weekly update of PLRC happenings

April 1, 2022



www.livercenter.pitt.edu

*Please acknowledge support from the PLRC (NIH/NIDDK
P30DK120531) in your publications and presentations. [\(Click for a
copy/paste version for manuscript and grant submissions\)](#)*

Please continue to share your relevant accolades (grants, manuscripts, other news) with us, as it relates to PLRC mission, so we can share with all members. Please visit [PLRC website here](#) for up-to-date news, and upcoming seminar and event information. Contact AJ Singh (singha16@upmc.edu) if you have specific questions or suggestions.

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Next PLRC Virtual Seminar

The next PLRC Research Seminar will be held on **Thursday, April 12 at 12:00pm**. Dr.

Michael Jurczak, Assistant Professor of Medicine, and Dr. Lans Taylor, Allegheny Foundation Professor of Computational and Systems Biology and Co-Director HSLBC, will be presenting a talk on their respective topics, "Metabolic Cages and Related Studies," and "The High Throughput Opera Phenix Project."

Zoom: <https://pitt.zoom.us/j/94996033342>

The next K-Club junior faculty representatives meeting will be on June 2nd

If you are interested in joining upcoming meetings, please RSVP with Amanda Bytzura (bytzuraam@upmc.edu)

**Dr. Mo Ebrahimkhani and Dr. Ziv Bar-Joseph co-authored a manuscript in
Genome Biology**

Dr. Mo Ebrahimkhani, Associate Professor of Pathology, and Dr. Ziv Bar-Joseph co-author an article published in Genome Biology, entitled, "TraSig: inferring cell-cell interactions from pseudotime ordering of scRNA-Seq data."

Click here to read the full article
Ebrahimkhani Lab

Li D, Velazquez JJ, Ding J, Hislop J, Ebrahimkhani MR, Bar-Joseph Z. TraSig: inferring cell-cell interactions from pseudotime ordering of scRNA-Seq data. Genome Biol. 2022 Mar 7;23(1):73. doi: 10.1186/s13059-022-02629-7. PMID: 35255944; PMCID: PMC8900372.

Experimental Biology 2022

Experimental Biology 2022 is home to American Society of Investigative Pathology (ASIP). This weekend from **April 2, 2022-April 5, 2022**, there will be a number of liver sessions at this meeting.

A detailed program can be found at:

<https://asip2022.asip.org/program/asip-2022-scientific-program/>

Please try your best to attend these wonderful scientific and career development sessions



The Liver Biology Conference: Fundamental Mechanisms and Translational Applications

Announcing the 2022 Liver Biology FASEB Meeting in person! The program, conference and registration information can be found at <https://faseb.org/liverbio22>

- Abstract deadline May 16, 2022
- Early registration deadline May 26, 2022
- Housing deadline June 12, 2022
- Registration closing deadline June 22, 2022



FASEB

Federation of American Societies
for Experimental Biology

The Liver Biology Conference: Fundamental Mechanisms and Translational Applications

NEW ORLEANS, LA | JUNE 26–30, 2022

#LBCSRC22

Spread the news #LBCSRC22

Reverse ECM accumulation in NASH with novel models

opnMe How would you enhance extracellular matrix degradation in the liver of NASH patients using innovative strategies?
Apply through June 2, 2022

A photograph of three scientists in white lab coats working in a laboratory. One scientist is pointing at a computer monitor displaying data, while another looks on. The background shows laboratory equipment and shelves with bottles.

Accumulation of ECM is a hallmark of NASH. Interfering with this process may represent a pragmatic approach to stop fibrosis. In this context, we invite you to answer the following question: [Click here if interested](#)

"We invites you to submit proposals with ideas for in vitro assay systems or in vivo models that allow the identification and validation of therapeutic targets to enhance ECM degradation, thereby attenuating liver fibrosis. This can include ideas based on, but not limited to using screening assays like CRISPR/Cas9-based screens or in vivo screens using an in vivo model for ECM turnover. The right answer may come from any scientific discipline in relation to life sciences. We plan to fund selected proposals with up to 200,000 euros each. [Learn more...](#)"

A panel of Boehringer Ingelheim scientists will review all incoming answers after the final submission date. Successful ideas will be explored in collaboration with the winning proposals.

Submissions for collaborations can only be accepted if they arrive no later than June 2, 2022 11:59 pm PST

Spring 2022 Next Generation Sequencing Workshops

Center for Research Computing is hosting workshop series for next-generation sequencing data analysis. Dr. Silvia Liu, PLRC Genomics and Systems Biology Core manager, will teach long-read sequencing and ChIP-seq sections. PLRC members, students/postdocs are encouraged to register. There are several other topics such as RNA-seq and single-cell analysis that should be very useful for the labs who want to perform genomic study.

<https://crc.pitt.edu/training/spring-2022-next-generation-sequencing-workshops>

<https://crc.pitt.edu/training/spring-2022-next-generation-sequencing-workshops-registration>

MSCBMP 2860 - Microscopy

Dear _____ students,
Please see the attached flyer for the Multiparametric Microscopic Imaging Summer Course

MSCBMP2860, (sponsored by Cell Biology) 3 credits
May 12-July 21, 2022, Tuesdays and Thursdays 10-11:30am
Course directors: Drs. Donna Stolz and Claudette St Croix

This is an introduction to optical and electron-based imaging modalities commonly used in biomedical research. Students will learn the science behind light and electron microscopy techniques, as well as tissue and cell processing for each technology. More specific imaging techniques such as live cell and whole animal imaging are also covered as are a number of standard and novel probes for live and fixed-cell imaging. Imaging processing, quantitation, and ethics will also be covered.

If you have any questions, please contact Shanning Wan (shw126@pitt.edu).

FUNDING OPPORTUNITIES

To see all NIH Grants sorted by week, please visit: [NIH Guide: 2022](#)

Or click below:

- [April 1](#)
- [March 25](#)

[Click here](#) for all current NIDDK Funding opportunities

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Also indicate which core/service from the PLRC was utilized within your acknowledgment:

- [Clinical Biospecimen Repository and Processing Core \(CBRPC\)](#)
 - [Genomics and Systems Biology Core \(GSBC\)](#)
 - [Human Synthetic Liver Biology Core \(HSLBC\)](#)
 - [Advanced Cell and Tissue Imaging Core \(ACTIC\)](#)
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