

LIVER DIGEST

A weekly update of PLRC happenings

February 24, 2022



**PITTSBURGH LIVER
RESEARCH CENTER**

A partnership of University of Pittsburgh & UPMC

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

Our next PLRC Research Seminar will be held on **Tuesday, March 1 at 12:00pm**. Dr.

Chunyue Yin, Assistant Professor of Pediatrics at Cincinnati Children's Hospital Medical Center, will be presenting a talk, entitled, "Molecular Genetics of Progressive Familial Intrahepatic Cholestasis."

This seminar has been approved for *AMA PRA Category 1 Credit(s)*[™]. Please text code YUMMOZ to 412-312-4424 to obtain credit.

In-person or Join through Zoom: <https://pitt.zoom.us/j/94996033342>

PLRC PF Awardees 2022

Congratulations to the 2022 PLRC Pilot and Feasibility Award Recipients:

Dr. Evan Delgado, Research Assistant Professor of Pathology - "Understanding Immune Surveillance in Hepatocellular Carcinoma"

Dr. Christopher Hughes, Associate Professor of Surgery - "Sonothrombolysis Combines with Treprostinil Infusion During Machine Perfusion of Liver Allografts as Pre-Conditioning for Transplant"

Dr. Edward Hurley, Assistant Professor of Pediatrics - "Determining the Role of HSF1-Mediated Inhibition of Apoptosis in Hepatoblastoma"

Dr. Pengfei Xu, Postdoctoral Research Associate Professor of Pathology - "PAPSS2-mediated Sulfation in Drug-induced Liver Toxicity"

[Click here to read more on the proposed grants](#)

Dr. Paul Monga and colleagues publish liver tissue clearing protocol in Star Protocols

Dr. Paul Monga, Professor of Pathology and Medicine, and colleagues publish a liver tissue clearing protocol in Star Protocols (Cell Press). PLRC member, Dr. Simon Watkins, also contributed to this protocol.

Summary: Although there are numerous tissue clearing protocols, most are inadequate for clearing liver tissue. Here we present a flexible protocol for mouse liver tissue; we combine strategies from several previously published protocols for delipidation, decolorization, staining, and refractive index matching. LiverClear is sufficiently versatile to allow clearing of healthy and diseased mouse liver followed by immunofluorescence staining and imaging to visualize intact 3D structures such as bile ducts and hepatocyte canaliculi. We also adapted this protocol for clearing human livers.

[Click here to read the full publication](#)

dkNET Webinar Series

dkNET (NIDDK Information Network, <https://dknet.org>) will host a webinar “Uncovering Novel Mediators and Mechanisms of Leptin Action” on Friday, Feb. 25, 2022, 11 am – 12 pm PT.

dkNET New Investigator Pilot Program in Bioinformatics Awardee Webinar Series Uncovering Novel Mediators and Mechanisms of Leptin Action

Date/Time: Friday, February 25, 2022, 11 am – 12 pm PST (**Pacific Standard Time**)

Presenter: Alan Rupp, Ph.D. Research Investigator in Metabolism, Endocrinology, and Diabetes, University of Michigan Medical School

Dial-in Information: <https://uhealth.zoom.us/meeting/register/tZUkf-uuqDgtGtUvRe2LtF1C-9UXAvWiNURA>

Industry Collaboration - Boehringer Ingelheim

Boehringer Ingelheim is offering an opportunity for industry collaboration in the liver space.

Application due by March 22, 2022

Faculty are encouraged to reach out to the Director of the Office of Industry & Economic Partnerships, Scott Morley, (scott.morley@pitt.edu), for assistance. The team at OIEP is available to review proposals and facilitate application.

[Click here for additional information](#)

[Click here for submission template](#)

MSCBMP 2860 - Microscopy

Dr. Donna Stolz, Director of Advanced Cell and Tissue Imaging Core, will be teaching MSCBMP 2860 Multiparametric Microscopic Imaging - Summer 2022, T, Th 5/10-7/29. Share with interested graduate students, Registration is now open.

[Click here for more information](#)

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>

FUNDING OPPORTUNITIES

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

Or click below:

- [February 25](#)
- [February 18](#)

[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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