

LIVER DIGEST

A bi-weekly update of PLRC happenings

June 23, 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, other news articles) 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 Aaron Bell (bellaaro@pitt.edu) if you have specific questions or suggestions.

**** NOTE: the PLRC Newsletter will now be published every 2 weeks. ****

In this issue

- PLRC Seminars is on hiatus and will resume late-August: thank you for your continued participation and discussion
- Faculty Highlights
 - Dr. Juliane Beier received NIH R01 award.
 - Dr. Henry Dong and colleagues publish in J.Clin Investigation.
 - Dr. Lans Taylor and colleagues publish in Metabolites.
- Additional Seminars and Announcements
 - Call for Papers: Liver Cancer Metabolism: From Pathophysiology to Novel Therapeutic Targets
 - Call for Papers: Tissue Fibrosis and Repair special collection by Scientific Reports
- Job Opportunity
 - Post-Doc Position available
- Funding Opportunities

Dr. Juliane Beier Received NIH R01 Award

Dr. Juliane Beier, Assistant Professor of Medicine and former P&F recipient received an NIH R01 award from the NIDDK for her grant entitled, "Vinyl chloride modifies the risk for nonalcoholic fatty liver disease."

Dr. Henry Dong published in JCI

Dr. Henry Dong PhD, Professor of Pediatric Endocrinology, and colleagues published an article in J. Clinical Investigation entitled, "Myeloid FoxO1 depletion attenuates hepatic inflammation and prevents nonalcoholic steatohepatitis."

Click here for the full article

Lee S, Usman TO, Yamauchi J, Chhetri G, Wang X, Coudriet GM, Zhu C, Gao J, McConnell R, Krantz K, Rajasundaram D, Singh S, Piganelli J, Ostrowska A, Soto-Gutierrez A, Monga SP, Singhi AD, Muzumdar RH, Tsung A, **Dong HH**. Myeloid FoxO1 depletion attenuates hepatic inflammation and prevents nonalcoholic steatohepatitis. J Clin Invest. 2022 Jun14:e154333. doi: 10.1172/JCI154333. Epub ahead of print. PMID: 35700043.

Dr. Lans Taylor and Colleagues Published in Metabolites

Dr. Lans Taylor, PhD, Professor of Computational and Systems Biology, and PLRC colleagues published an article in Metabolites entitled, "A Quantitative Systems Pharmacology Platform Reveals NAFLD Pathophysiological States and Targeting Strategies."

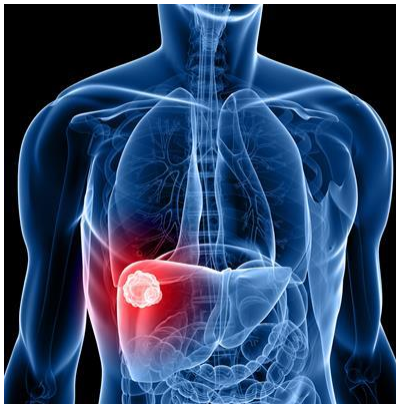
[Click here for the full article](#)

Lefever DE, Miedel MT, Pei F, DiStefano JK, Debiasio R, Shun TY, Saydmohammed M, Chikina M, Verneti LA, Soto-Gutierrez A, Monga SP, Bataller R, Behari J, Yechool VK, Bahar I, Gough A, Stern AM, **Taylor DL**. A Quantitative Systems Pharmacology Platform Reveals NAFLD Pathophysiological States and Targeting Strategies. *Metabolites*. 2022; 12(6):528.

<https://doi.org/10.3390/metabo12060528>

Call for Papers:

Liver Cancer Metabolism- From Pathophysiology to Novel Therapeutic Targets



Manuscripts are now being accepted for a special issue of *Frontiers in Physiology Gastrointestinal Sciences*. More information can be found by [clicking here](#).

"Liver cancer is one of the most lethal cancers worldwide. Dysregulation of metabolism, both intrinsic and extrinsic to the liver, is known to contribute to the severe lethality of liver cancer, by enhancing liver carcinogenesis. Thus, identification of novel pathophysiologic mechanisms and associated targets in liver

cancer and better characterization of already-known mechanisms and targets present exciting, emerging opportunities for diagnosis, treatment, and possibly even prevention of such cancer. Accordingly, for this Research Topic, we invite the submission of original research articles, review articles, as well as short communications which describe how cutting-edge discoveries about liver cancer metabolism and associated pathophysiology are leading to innovative ways to diagnose and combat liver cancer.

We welcome submissions related to the following sub-topics:

- Physiology of metabolic phenotypes in liver cancers
- Metabolism-mediated mechanisms of resistance to chemotherapy in liver cancers
- Metabolism-mediated mechanisms of cancer-associated fibroblast promotion of liver cancers
- Metabolism-mediated mechanisms of the immunobiology of liver cancers
- Therapeutic targeting of metabolism in liver cancers

Keywords: Liver Cancer, Metabolism, Pathophysiology, Disease Mechanism, Therapeutic Targets"

Submission Deadlines:

25 June 2022- Abstract

24 August 2022- Manuscript

Call for Papers: Tissue Fibrosis and Repair special collection by Scientific Reports

Submissions are now being accepted for a special collection sponsored by Scientific Reports

on the subject of Tissue Fibrosis and Repair. The scope of the collection is as follows:

"Fibrosis is a process of excess extracellular matrix deposition in response to injury that occurs where normal wound-healing processes have become dysregulated. This pathological deposition of tissue is due to an aberrant release of growth factors and cytokines and may lead to organ remodeling and dysfunction, contributing to chronic disease and organ failure. Though fibrosis occurs in tissues throughout the body, it is most commonly associated with severe disease when it occurs in the lungs, heart, liver and kidneys and is often not identified until organ function has been compromised. This Collection aims to present manuscripts that increase our understanding of the mechanisms of tissue repair and causes of dysregulation or that present potential treatments that may slow disease progression."

If you are interested in submitting a peer-reviewed manuscript for inclusion in this collection, when submitting your manuscript to Scientific Reports select "any other article type" instead of regular manuscript. Then select "guest edited collection" and when promoted for the name of the collection, select Tissue Fibrosis and Repair.

[More detailed information about the collection can be found here](#)

Submissions will be open until October 31, 2022.

Post-Doc Position Available - Dr. Donghun Shin Lab

Donghun Shin Lab is currently seeking a qualified candidate for a post-doc position. See attached flyer for more information.

[Shin Lab Postdoc Position Apr2022](#)

FUNDING OPPORTUNITIES

Judith Graham Pool (JGP) Postdoctoral Research Fellowship

National Hemophilia Foundation (NHF)

Bridge Award

National Hemophilia Foundation (NHF)

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

Or click below:

- [June 17](#)
- [June 10](#)

[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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