Dear Colleagues,

We are delighted to circulate our newly developed SDDRC newsletter as part of our mission to facilitate and enhance research in digestive diseases by our Center members. We are planning to publish the newsletter twice a year with news about services, announcements, and achievements of our members.

The Center continues to thrive, expanding its members to now 45 full and 11 associate members. Members do fantastic work as illustrated by the list of recent publications in this newsletter. We are delighted to highlight these achievements.

Best wishes,

Bernd Schnabl and Lars Eckmann
SDDRC Co-Directors
Core Service and Updates

Human Translational Core

The Core provides access to well-characterized human biospecimens for patients with Nonalcoholic Fatty Liver Disease (NAFLD) and Inflammatory Bowel Disease (IBD).

As a new service, the Core is now offering access to archival clinical (GI/liver) tissue samples (stained or unstained slides) from the Pathology Department. This service can be obtained by submitting the sample request form located on the Center website, or via email to the Center.

If you are not sure how to get started, we can provide consultation in pathology, biostatistics, protocol design, and training. Contact us with any questions: sddrc@ucsd.edu.

Preclinical Model Core

The Core provides histological support through an arrangement with the Histology Core at the La Jolla Institute for Immunology. A wide range of technologies and services are available, including tissue preparation, fixation, routine and specialized staining, and state-of-the-art microscopy.

The Core also provides routine access to germ-free and gnotobiotic mice, and to various murine models of liver and gastrointestinal disease.

Direct any questions on the logistics of histological sample submission or the use of murine models to the Center administration: sddrc@ucsd.edu.

Microbiomics and Genomics Services

The Core provides access to all common sequencing-based assays, including 16S rRNA and metagenomic shotgun sequencing of microbial communities, and RNA-seq (including single-cell transcriptomics), ChIP-seq, miRNA-Seq, GRO-Seq, Ribo-Seq, ATAC-Seq, Whole Genome Sequencing, and Exome sequencing.

If you plan to use these services for the first time, we encourage you to contact Dr. Kristen Jepsen (kjepsen@health.ucsd.edu) for guidance on preparation and sample submission.

The Core also provides bioinformatics support, including analysis of sequencing-based assays and consultation and training in specific experimental and analytical techniques related to microbiomics and functional genomics.

Please contact Dr. Sara Brin Rosenthal (sbrosenthal@health.ucsd.edu) with any questions about the bioinformatics services of the Core.
Congratulations to the SDDRC members on the following achievements and recognitions:

**Lars Bode, PhD**
P50 center grant from the NIH to establish a Center of Excellence in Therapeutics as part of the new NICHD MPRINT (Maternal and Pediatric Precision in Therapeutics) Hub. This Center has a focus on human milk, antibiotics, and microbiome, thus complementing the work done at SDDRC.

**Hiutung Chu, PhD, SDDRC P&F Awardee**
R01AI167860

**Ronald Evans, PhD**
Network Grant from the Larry L. Hillblom Foundation to examine a molecular pathway that regulates blood sugar and fat independent of insulin.

The 2021 Asan Award in Basic Medicine by the Asan Foundation. The Asan Foundation is a Korean foundation that supports critical medical research as well as social and medical welfare programs. The award, which totals $250,000, recognizes “medical scientists who have achieved remarkable accomplishments in the fields of basic and clinical medicine to promote human health,” according to the Asan Foundation. Evans is the first international recipient of the Asan Award in Basic Medicine.

**Ronald Evans, PhD and Dannielle Engle, PhD (SDDRC P&F Awardee)**
Granted a 2021 ASPIRE (Accelerating Scientific Platforms and Innovative Research) award to study the cellular and molecular drivers of pancreatic cancer, one of the deadliest cancers with few effective treatment options. The $250,000 award, supported by the Mark Foundation for Cancer Research, enables innovative approaches to solving impactful problems in cancer research.
In this issue:
- Updates from SDDRC Cores
- Center News
- Honors
- Upcoming Center Events
- SDDRC P&F Awards
- Recent Center Publications

Congratulations to the SDDRC members on obtaining the following awards:

Mamata Sivagnanam, MD, SDDRC P&F Awardee
Use of Human Enteroids to Understand Carbohydrate Malabsorption in Congenital Tufting Enteropathy NASPGHAN Foundation QOL Research Award For The Study Of Disorders Associated With Carbohydrate Maldigestion/ Malabsorption in Children
1/1/22-12/31/23

Cristina Llorente, PhD, SDDRC P&F Awardee
UC San Diego's Hispanic Center of Excellence
10/01/2020 – 11/30/22

Bernd Schnabl, MD
Received a Senior Clinician Scientist Investigator Award from the Department of Veterans Affairs. This provides an extension of 4 years on his recently renewed Merit Award entitled to a total of 8 years. The National Advisory Council on Alcohol Abuse and Alcoholism and Dr. Michael Lauer, the NIH Deputy Director for Extramural Research approved the recommendation of NIAAA Division of Metabolism and Health Effects to award him a NIH MERIT (Method to Extend Research In Time) Award (R37). This will allow to extend his recently renewed R01 application for another 5 years to a total of 10 years, without a need to submit a competing renewal. He also received the Harrington Scholar-Innovator Award 2022 from the Harrington Discovery Institute for his innovative work in the field of microbiome research.

Honors
Web of Science ranked 9 SDDRC members among the top 1% highly-cited researchers by citations in 2021. Drs. Brenner, Gilbert, Glass, Karin, Kaufman, Knight, Loomba, Schnabl and Sirlin are among the world’s most influential researchers in their fields.
Upcoming Center Events

SDDRC Seminar Series (Mondays, 12:00 - 1:00 pm): The Center invites nationally and internationally renowned speakers to facilitate and promote interactions among digestive diseases researchers in the San Diego area.

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<th>Date</th>
<th>Location</th>
<th>Speaker</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>8/29/22</td>
<td>Leichtag - 107</td>
<td>Rhonda F. Souza, MD</td>
<td>Baylor University Medical Medical College of Virginia School of Medicine</td>
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<td>9/26/22</td>
<td>Leichtag - 107</td>
<td>Jasmohan Bajaj, MD</td>
<td>Medical College of Virginia School of Medicine</td>
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<tr>
<td>10/24/22</td>
<td>Online only</td>
<td>Malin Johansson, PhD</td>
<td>University of Gothenburg</td>
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<tr>
<td>11/28/22</td>
<td>TBD</td>
<td>Guadalupe Garcia-Tsao, MD, FRCP</td>
<td>Yale School of Medicine</td>
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<tr>
<td>12/12/22</td>
<td>Leichtag - 107</td>
<td>Nicholas O. Davidson, MD, DSc.</td>
<td>Washington University</td>
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SDDRC Career Development Club (Thursdays, 12:00 - 1:00 pm): The meetings provide an opportunity for faculty, particularly early-stage faculty, to present and discuss projects that are at various stages of grant preparation from Career Development Awards and K-awards to full research grant at the R or U level. We encourage all interested faculty to join us at the meetings, which will be informal and provide excellent networking opportunities. If you would like to present at one of the upcoming meetings, please email the Center (sddrc@health.ucsd.edu) with a very brief description of the topic and goals.

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<tr>
<th>Date</th>
<th>Time</th>
<th>Presenter</th>
<th>Location</th>
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<tr>
<td>8/25/22</td>
<td>12:00 – 1:00 PM</td>
<td>Cynthia Hsu, MD, PhD</td>
<td>ACTRI or Zoom</td>
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<tr>
<td>9/29/22</td>
<td>12:00 – 1:00 PM</td>
<td>Daniel Huang, MBBS</td>
<td>ACTRI or Zoom</td>
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<tr>
<td>10/27/22</td>
<td>12:00 – 1:00 PM</td>
<td>Jin Lee, PhD</td>
<td>ACTRI or Zoom</td>
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<td>11/17/22</td>
<td>12:00 – 1:00 PM</td>
<td>Eric Low, MD</td>
<td>ACTRI or Zoom</td>
</tr>
<tr>
<td>12/15/22</td>
<td>12:00 – 1:00 PM</td>
<td>Marygorret Obonyo, PhD</td>
<td>ACTRI or Zoom</td>
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LIVER SYMPOSIUM
COHOSTED BY
SDDRC AND LCSD
FREE: Intended Audience is Liver Patients and Caregivers but All are Welcome!

Saturday, September 10, 2022
UC San Diego Altman Clinical and Translational Research Institute Building 9452 S Medical Center Drive La Jolla, CA 92037
Attendees may join in-person or virtually

The Liver Coalition of San Diego in partnership with UCSD’s San Diego Digestive Diseases Research Center is proud to present the Liver Symposium for patients, caregivers, and anyone interested in learning more about living with liver disease. Attendance is FREE to all registered guests. Learn from the experts and network with other patients and caregivers. For those attending in-person, registration includes complimentary parking in the Campus Point Patient & Visitor Parking Structure (located next door at 304 S Medical Ctr Dr, La Jolla, CA 92037), continental breakfast, and a box lunch at the conclusion of the conference.

To register, please visit: livercoalition.org/upcoming-events/
or scan the QR code below:

AGENDA:
8:00am – 9:00am: Registration and Continental Breakfast

9:00am – 9:30am: Session 1 - Mindfulness for those living with chronic health conditions. Hector Martinez, PsyD, Community Research Foundation

9:45am – 11:00am: Session 2 - Reversing the trend, progress updates on these liver diseases: Alcohol Related, Viral Hepatitis, Non-alcohol Fatty Liver Disease/NASH, and Liver Cancer.

Heather Patton, MD, UC San Diego
Veeraj Ajmera, MD, UC San Diego
Yuko Kono, MD, UC San Diego

11:15am – 12:15pm: Session 3 - Nutrition, followed by boxed lunch to go
Eduardo Grunwald, MD, FACP, UC San Diego
Recent Publications by Center Members

SDDRC members and associate members have published 65 papers that acknowledge Center support in the first half of 2022. To recognize the excellence and breadth of research done by our members, we highlight a number of representative papers (members are shown in bold). Reprints of these papers can be provided upon request.


Recent Publications by Center Members


NEW SDDRC PILOT/FEASIBILITY AWARDS

In a new partnership with the Moores Cancer Center, we are delighted to announce that a new round of pilot/feasibility awards in digestive diseases is available.

It is planned to award a total of four to five $40,000 grants for both early-stage and established investigators. The applications are short (4 pages maximum). Details and application form can be found on the SDDRC website.

The submission deadline is Monday, October 03, 2022, at 11:59 pm.

WE ENCOURAGE YOU TO APPLY!

Acknowledging the Center

Have you used the services offered by the center? Please remember to acknowledge the Center grant in your publication:

“The study was supported by the NIDDK-funded San Diego Digestive Diseases Research Center (P30 DK120515).”

Thank you!

Letters of Support

We are here to help you conduct digestive diseases research projects. The Center can provide you with support for your grant application. If you need a letter of support, please contact us:

sddrc@ucsd.edu