SEPTMBER 2023

ANNUAL RUN FOR THE RING 5K

It was a fantastic day raising over $31,000 for The Guild of the Children's Diabetes Foundation and the Barbara Davis Center for Diabetes. Thank you to everyone who donated and brought us another step closer to the cross ring the cause. As usual the largest team was CDC Research Division who had 33 members participate.

Congratulations to Dr. Lali Saeed who placed 3rd in the event!

CONGRATULATIONS!

We would like to recognize and congratulate the below investigators who recently were awarded grants. We, as a community, are so proud of your many accomplishments.

Rachel Friedman, PhD
Single Cell Genomics and Time Course of Immune Cell Function During Type 1 Diabetes (NHLI)

Xianfan Jia, PhD
Newly identified novel autoantibodies specific to B cell surface Zn18 antigen as an early biomarker in type 1 diabetes (JDRF)

Aaron Nichola, MD, PhD
T and B cell receptors for Alpha double Beta and Stages of Type 1 Diabetes (Hunterian Foundation)

Liping Yu, MD
Simple multiplex assay to screen multiple autoimmune diseases associated with children (SMAWK)

Summer

A VERY SUCCESSFUL SUMMER FOR OUR STUDENTS

This summer was a great success for many students, including those individuals from the Saeed lab who were present inADP sessions. Congratulations & well done!

McKenna Casey
Claire Howell
Braelyn Cysaban

2022 PILOT & FEASIBILITY Awardee: Lessons & Triumphs - Nikki Farnsworth, PhD

How did the P&F award help your research?

The P&F award has been instrumental in the success of my recent project developing a targeted drug delivery vehicle for the treatment and prevention of type 1 diabetes. This support from the P&F award and mentoring I received as part of the DRC has allowed me to collect proof of principle evidence that our novel drug delivery system can target the mouse beta cell in vivo and the human beta cell in vitro. This work is critical and allowed me to successfully obtain additional funding for this project through the JDRF. The P&F award really kicked this project off and has allowed us to expand our research into the in vivo transplantation setting where we hope our targeted drug delivery vehicle can reduce insulin graft loss and improve transplantation outcomes.
Do you believe this award helped develop you professionally? If so, how?

Absolutely believe this award has helped me professionally. Aside from helping me to launch a new area of research for my lab (mentoring I have received through the P4 award program has helped me to grow professionally). Specifically, my P4 mentors have provided feedback on my dissertation, which has been instrumental in the progress of the project. And, I have connected with my P4 mentors that shared their experience and advice with other applications that would prove to further enhance my research.

What advice would you give to yourself in April 2022, when you first received this award?

The advice I would give myself when I first received the P4 award is that you have to be very available to meet and talk through any questions or ideas, like I am now, even if it means more time than usual. There are so many great resources and opportunities to develop them with time.

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**DIABETES RESEARCH CENTER EVENTS**

### Diabetes Research Virtual Seminar Series

**Wednesday, September 13, 2023**

**10:00 AM PT | 1:00 PM ET | 1:00 PM CET**

**https://example.com/2023-diabetes-seminar**

**RNA splicing: A novel regulatory layer of insulin function**

There is ongoing evidence implicating RNA binding-protein (RBPs) and altered splicing activity in the development of diabetes. Recent studies have identified dysregulation of RBPs and abnormal mRNA splicing in diseased human β cells compared to healthy controls. I will discuss the mechanism through which a β cell RBP alters insulin function under stress conditions.

- **Lori Sussel, PhD**
  Professor of Pediatrics, Kentucky Diabetes Center for Diabetes, University of Kentucky College of Medicine

This seminar series is organized by the Diabetes Research and Education Center (DREC) of the University of Kentucky. To view previous webinars or register for the “Meet the Speaker” events, please go to: https://diabetesresearch-university.org/

Join us on Wednesday, September 13, 2023 at 12:00 PM MST for the Diabetes Research Virtual Seminar Series discussion with our director, Dr. Lori Sussel.

Please register [HERE](https://diabetesresearch-university.org/) prior to September 13.

Join us [HERE](https://diabetesresearch-university.org/)

For more information or to join the mailing list, visit [HERE](https://diabetesresearch-university.org/)

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### RESEARCH IN PROGRESS SEMINAR SERIES

**FALL 2023**

**Mondays at 12:00 pm**

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<tr>
<td>Monday, September 11, 2023</td>
<td>OPEN SLOT</td>
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<td>Monday, September 18, 2023</td>
<td>Mia Smith, PhD</td>
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<td>Monday, September 25, 2023</td>
<td>External Guest: Victoria Vieira-Potter, PhD University of Missouri</td>
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<td>Monday, October 2, 2023</td>
<td>Ludmilla Kark, PhD</td>
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<td>Monday, October 9, 2023</td>
<td>Cindy Gebo, PhD</td>
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<td>Monday, October 16, 2023</td>
<td>Rachel Friedman, PhD</td>
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<td>Monday, October 23, 2023</td>
<td>Kathleen Wolfe, PhD</td>
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<td>Monday, October 30, 2023</td>
<td>Sant Pankay, PhD</td>
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<td>Monday, November 6, 2023</td>
<td>Freda A. Adams, PhD</td>
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<td>Anne Green</td>
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<td>Monday, November 20, 2023</td>
<td>Thanksgiving Break</td>
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<td>Monday, November 27, 2023</td>
<td>City of Hope Diabetes Research Symposium</td>
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<td>Monday, December 4, 2023</td>
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<td>Holiday Break</td>
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**2023-2024 BDC & DRC DIABETES SPEAKER SERIES**

Seminars will take place in person on Fridays at 12pm MT.

All seminars will have a link provided for registration.

Questions? Contact: Christy Veal, christy.veal@ucdenver.edu, 303-724-0787

**OPPORTUNITIES FOR FUNDING**

**Women’s Health Innovation Scholar (WHINS)**

**LETTERS OF INTENT DUE OCT. 6, 2023**

Salary, benefits and annual project support funds for two years.

WHINS seeks to support the development of early career faculty who wish to develop independent careers focused on women’s health and gender differences research. With a focus on:

- Cardiovascular Disease
- Diabetes/Metabolism
- Intersection of Mental and Physical Health

For more information:

[Women’s Health Innovation Scholar (WHINS)](https://www.womenshealthinnovationscholar.com)

[University of Colorado Anschutz Medical Campus](https://www.ucdenver.edu)
The Ludeman Family Center for Women’s Health Research has released a call for Letters of Intent (LOI) for its Women’s Health Innovation Scholar Program (WHISPER). WHISPER is an internal grant mechanism of the Ludeman Center that is focused on research career development of early-career faculty (men and women) who wish to develop independent careers focused on women’s health issues and gender differences research in any area of health. The Ludeman Center is interested in research in areas such as cardiovascular disease, diabetes/metabolism, integration of mental and physical health.

WHISPER will provide a salary support of $10,000 to $20,000 per year for two years, with a third being possible, plus $5,000 in additional support funds in the second year. The WHISPER position will be awarded on a competitive basis. Eligibility is open to applicants who have completed a Ph.D., M.D., D.O., or equivalent degree, have a record of high-quality research and teaching, and are committed to advancing women’s health issues and gender differences research. Candidates must demonstrate the potential to develop a successful career in women’s health research.

Letters of Intent are due on October 6, 2023, by 5:00 p.m. MT. Selected applicants will be invited to submit a full application.

Please visit our website for full application details and email mailto:nwhr@colorado.edu with questions.

Click here to see current CUB/INTERNATIONAL Funding Opportunities

Click here to see all current JDRF RFA’s

Click here to see all current NIH RFA’s

**DRC WELCOMING NEW MEMBERS**

**APPLY NOW!**

Now is a great time to consider applying to become a DRC Member. We welcome members who are broadly engaged in all aspects of diabetes research, including clinical and translational research, population science, implementation and delivery of health care, and health services research.

Here’s a list of our current membership criteria:

1. Full-time University of Colorado faculty
2. Joint effort primarily relating to the diabetes or metabolism field
3. Government funded grant
4. New member (within 5 years of final faculty appointment)

If you are interested in joining as a member please click here to fill out an application.

**Have you considered using a DRC core service?**

The DRC contains four broad core services that provide services and resources to DRC investigators. These cores are designed to facilitate and broaden CU Denver DRC research by expanding access to shared equipment, enhancing availability and training for emerging technologies, and allowing scientists to have greater access to clinical issues and data.

1. **Clinical Resources**
   - Research, clinical, and translational services
   - Research and training in clinical diabetes, endocrinology, and metabolism
   - Access to human subjects for research

2. **Cell and Tissue Core**
   - Access to live human and animal cells
   - Access to various cell lines
   - Access to cell-based assays

3. **Disease Modeling**
   - Research and training in disease modeling
   - Access to various disease models

4. **Tissue Procurement & Processing**
   - Access to various tissue samples
   - Access to various processing methods

**Want us to feature you or your colleague on our upcoming DRC newsletter? Have an important research update?**

Click here to submit a story to the DRC Monthly Newsletter

Click here to follow us on Twitter

Please remember to acknowledge support from the University of Colorado Diabetes Research Center and our associated cores by referencing NIDDK grant #5P30-0116073 in your presentations and publications.

Contact data@ucdenver.edu with any questions or feedback about this newsletter