

October 2024

The RAC	Clinical Trial of the month	Dept. of Medicine
The Library	ORI event highlights	Collegial Corner

## Murnick Asthma Discovery Accelerator Awardees

Congratulations to the individuals who were awarded!

Dr. Rafeul Alam

*“Development of a Mouse Model and Mechanistic Studies of Nucleosome-induced Pauci-inflammatory Asthma”*

Dr. Hong Wei Chu

*“Utilization of spatial transcriptomics at the single cell-scale resolution to study mechanisms of airway hyperresponsiveness in asthma”*

Dr. Magdalena Gorska

*“Environmental programming of the maternal-fetal interface for transgenerational transmission of asthma”*

Dr. James Scott-Browne

*“Establishing potential mechanisms by which viral infection exacerbates asthma”*

Dr. Anthony Gerber

*“Enhancer RNAs define novel genetic variants associated with air pollution responses and asthma risk”*

## The Research Advisory Committee (RAC) – Elizabeth Redente, PhD



The RAC is pleased to announce the second year of the **Medical Science Concepts Incubator Fund** made possible by a generous donation to National Jewish Health.

The Research Advisory Committee (RAC) through the Office of Research Innovation will be sponsoring two 1-year investigator-initiated research grants for \$20,000 each and one 2-year post-doctoral fellow award for a total of \$8,000.

Our recipients last year have made amazing progress on their innovative projects!

If you did not receive an email with the application guidelines, please reach out to Jennifer Brozena-Taylor [BrozenaTaylorJ@NJHealth.org](mailto:BrozenaTaylorJ@NJHealth.org)

Questions can be directed to Elizabeth Redente ([Redentee@njhealth.org](mailto:Redentee@njhealth.org)).

Please submit your application electronically **as one pdf file** to Jennifer Brozena-Taylor [BrozenaTaylorJ@NJHealth.org](mailto:BrozenaTaylorJ@NJHealth.org) by **November 1, 2024**. *\*Previous recipients are not eligible to apply*

We look forward to reviewing applications and seeing the fantastic science and innovative ideas from our research community!

## Clinical Trial of the Month – Donald Leung, MD, PhD



A two-year, Phase 4, open-label, single-arm treatment study to evaluate the long-term effect of dupilumab on skin barrier function in pediatric participants ( $\geq 6$  to  $<12$  years of age) with moderate-to-severe atopic dermatitis.

Inquires can be directed to Donald Leung ([LeungD@NJHealth.org](mailto:LeungD@NJHealth.org))

## Department of Medicine – Evelyn Zillmer

Culture Amp is NJH's new performance evaluation tool for staff and in full roll for a few months already. The new platform allows a streamlined process, incorporates peer feedback and sets annual goals. It also provides some valuable skills training – if you have not checked those out, please take a moment and explore! All supervisors are reminded to attend the HR sessions that provide important training to complete the annual performance evaluation process. There are a few dates left this year, please plan to attend at least one of them. As always, you can also reach out to Evi Zillmer ([ZillmerE@NJHealth.org](mailto:ZillmerE@NJHealth.org), extension 8632) to ask for assistance and relay any feedback and ideas.

<b>September 27<sup>th</sup></b>	8:00 am-9:00 am	Join Zoom Meeting <a href="https://njhealth-org.zoom.us/j/86206399648">https://njhealth-org.zoom.us/j/86206399648</a>
<b>October 30<sup>th</sup></b>	9:00 am-10:00 am	J103
<b>November 18<sup>th</sup></b>	3:00 pm-4:00 pm	Join Zoom Meeting <a href="https://njhealth-org.zoom.us/j/88604178592">https://njhealth-org.zoom.us/j/88604178592</a>
<b>December 18<sup>th</sup></b>	10:00 am -11:00 am	Join Zoom Meeting <a href="https://njhealth-org.zoom.us/j/81611698149">https://njhealth-org.zoom.us/j/81611698149</a>

## The Library – Ruby Nugent

### Library Classes for Researchers

Ruby Nugent, our Biomedical Research Librarian, has created a regular rotation of classes this Fall and Spring. In addition to **Introduction to EndNote**, a new **Advanced Endnote** option will be offered. This session is intended to be more of a freeform hour where she can delve into FAQs as well as any particular areas of interest that attendees might like to learn more about.

In response to the [NIH upcoming changes to Common Forms and Biosketch submissions](#), Ruby will also be hosting an **Intro to MyNCBI and SciENCv** session in January dedicated to My NCBI tools, including a focus on SciENCv. This informative class will help supplement the [great resources](#) we already have on the [library website](#) and help folks navigate different components of the MyNCBI dashboard, such as creating a setting up a delegate and updating a My Bibliography.

### Intro to MyNCBI and SciENCv

January 15, 2025 10-11am [Register Now](#)

### Intro to EndNote

October 16th, 2024 [Register Now](#)

February 19, 2025 [Register Now](#)

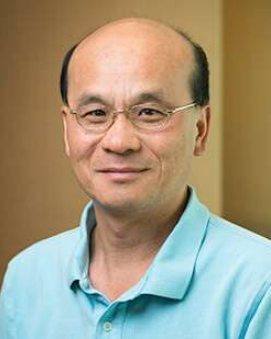
### Advanced EndNote

November 20, 2024 [Register Now](#)

March 19, 2025 [Register Now](#)

If you have any questions about library resources and how the library can support your research, please feel free to contact [Ruby Nugent](#).

**ORI Event highlights** – Hong Wei Chu, MD



**Workshop on Spatial Transcriptomics Data Analysis**

On September 11<sup>th</sup>, 2024, Dr. Fan Zhang, PhD, gave an exciting presentation about the application of spatial transcriptomics data analysis. Dr. Zhang is an Assistant Professor in Department of Medicine, Division of Rheumatology, Department of Biomedical Informatics Center for Health AI, University of Colorado School of Medicine. Her talk titled “Insights into Disease Pathogenesis Using Single-Cell Spatial Omics and Computational Intelligence” covered the basics of spatial transcriptomics technology, its applications in autoimmune and pulmonary diseases, and the methods to analyze in situ cell-cell gene and pathway interactions. There were about 40 attendees for this workshop. You may visit her lab website ([fanzhanglab.org](http://fanzhanglab.org)) to learn more about her lab research work in the area of single-cell data-driven computational omics and systems immunology and establish research collaborations.

**Research Happy Hour featuring NJH postdoctoral fellow research findings and achievements**


On September 13<sup>th</sup>, 2024, Research Happy Hour was held in Molly Bank Conference Center. This event was co-sponsored by the NJH Postdoc Association, a group run by postdocs, and ORI. Dr. Rafael Sobrano Fais, PhD, a postdoctoral fellow, chaired the session and presented his work titled “NLRP3-estrogen receptor  $\alpha$  interaction in right ventricular failure is sexually dimorphic and regulated by 17 $\beta$ -estradiol”. There were very active discussions at the event.

**2024 – 2025 ORI Travel Award Application**

For the fiscal year 2025, ORI will offer 2 travel awards (\$1,800/award) to support travel needs for junior faculty, postdoctoral fellows and graduate students. The goal of this award is to promote learning new research technologies, methods and clinical procedures outside Colorado to enhance research projects, grant applications and patient care. The announcement will be released on 10/4/24, and the application deadline is 10/30/2024.

**Collegial Corner** –

Research-focused events, from our partner institutions

<div data-bbox="87 1549 699 1669"> University of Colorado Anschutz Medical Campus</div> <div data-bbox="102 1709 544 1753">Beginning Tuesday, October 8<sup>th</sup></div>	<p><b>Basic and Translational Research Seminar Series</b></p> <p>The Department of Pediatrics and the Colorado Child Health Research Institute have partnered to relaunch the Basic and Translational Science Seminar Series.</p> <p><a href="#">Basic &amp; Translational Research Seminar Series: Christine Vohwinkel, MD, PhD - University of Colorado Anschutz Medical Campus (cuanschutz.edu)</a></p>
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National Institute of Allergy and  
Infectious Diseases

**RFA**

[RFA-AI-24-023: U.S.-South Africa Program for Collaborative Biomedical Research Phase 3 \(HIV/AIDS\) \(R01 Clinical Trial Optional\) \(nih.gov\)](#)

[RFA-AI-24-065: Discovery and Development of Novel Therapeutics for Select Fungal Pathogens \(R21/R33 Clinical Trial Not Allowed\) \(nih.gov\)](#)