

The Center for Human Genetics and Genomics

June 2025 Newsletter

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TTK (Things To Know)

✓ Visit Here to Book your Profile Portrait Session

Wednesdays: 9:20am - 11:00am & 1:00pm - 5:00pm

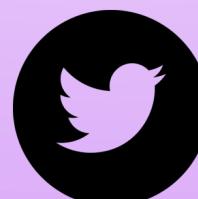
Thursdays: 9:20am - 12:00pm

Please email media@nyulangone.org if you require additional assistance.



✓ Follow the CHGG on Twitter!

Receive notifications when we tweet and interact with us.



✓ Check Out the Postdoctoral Affairs NYULH Page

Learn more about your resources, professional development, and contact them for any more questions.

~500
NYU Grossman School of Medicine has nearly 500 postdocs—51 percent men and 49 percent women.

2/3
Two-thirds of our postdocs come from outside the United States, representing more than 35 countries.

>30
Our postdocs work alongside faculty scientists in laboratories across more than 30 academic departments.

✓ Career Planning & Exploration for Graduate Students & Postdoctoral Fellows

Identify career goals and understand how these trainings are relevant to the job market.



✓ Go to the Trumba Calendar and Subscribe for Notifications About Upcoming NYUGSOM Events

Colloquia, Seminars, Workshops, and so much more.



CHGG Publications

Since December 2024, CHGG has published 60 articles!

Scan the QR code below to see the Center for Human Genetics and Genomics **Google Scholar page** and view all new publications.



Click on the PIs below to see their individual Google Scholar pages.

[David Beck, MD, PhD](#)

[Nadav Brandes, PhD](#)

[Aravinda Chakravarti, PhD](#)

[Sumantra Chatterjee, PhD](#)

[Gilad Evrony, MD, PhD](#)

[Hakhamanesh Mostafavi, PhD](#)

CHGG Featured Article



Med  **CellPress**

Ultra-rapid droplet digital PCR enables intraoperative tumor quantification

Zachary Murphy, Emilia Bianchini, Gilad Evrony, et .al.; 2025, Med 6, 100604



Gilad Evrony, MD, PhD, alumni, and current lab members had their article “Ultra-rapid droplet digital PCR enables intraoperative tumor quantification” **published** in February in the **Cell Press journal Med**. They were also **featured** in the **NYU Langone Health News Hub**, “’Ultra-Rapid’ Testing Unlocks Cancer Genetics in the Operating Room”. **Congratulations Dr. Evrony and team!**

Click [here](#) to read the article on Med.

Click [here](#) to read the NYULH News Hub article.

Academic Achievements



"Defining targetable vulnerabilities in UBA1-mutated VEXAS HSCs for clonal eradication"

David Beck, MD, PhD

R01 Grant



"High-fidelity sequencing of DNA mutations and damage"

Gilad Evrony, MD, PhD

UH3 Grant



"Deconstructing the Genetic Basis of Complex Trait Variation"

Hakhamanesh Mostafavi, PhD

R35 Grant

News & Views

John Pappas, MD, Director of the Division of Clinical Genetics at Hassenfeld Children's Hospital, and CHGG affiliate faculty member helped patient **Emie Papadopoulos**, who could not figure out a diagnosis for her constant weakness and fatigue, which left her wheelchair bound. After constant inconclusive results, Emie turned to Dr. Pappas for a diagnosis and solution.



Emie (right) & her mother,
Susanne (left)



John Pappas, MD

Click [here](#) to read more about the fantastic Dr. Pappas and Emie, and their journey together.

News & Views

Aravinda Chakravarti, PhD and Or Yaacov, MD, launched the **new deciphEHR webpage** on March 27th. “deciphEHR is a genomic medicine program at NYU Langone Health to make annotated genomes of NYU Langone patients together with their electronic health record (EHR) available to the NYU Langone community.” On April 30th, they presented the project via webinar.

Visit the page to learn more about deciphEHR and **visit here to watch the webinar!**



The **Genome Health Analysis** program's first students, Lisa and Tvisha, have **completed their first year!**



Spotlight

Congratulations to **Mingzhou Fu, PhD** from the Chakravarti Lab for **passing her thesis defense** & gaining her **PhD in Population Health** from the Vilcek Institute!



Gabe Grullon from the Chakravarti Lab was recently **accepted to New York Medical College**. Congratulations, Gabe!



Congratulations to **Adam Schwing, PhD** from the Evrony Lab for **passing his thesis defense and being awarded his PhD** from the Vilcek Institute of Graduate Biomedical Sciences!



Maria Sirenko, PhD, a post-doctoral fellow in the Beck lab, has been **awarded both a Cancer Research Institute Immuno-informatics fellowship and an ASH Scholar Award**. Congratulations, Dr. Sirenko!



Spotlight

Congratulations to **Veronika Worosz, MPA** on graduating with her **Master's in Public Administration** from **Baruch College!**



Po-Yu Lin from the Brandes Lab was selected as the recipient for the **2025 Biomedical Informatics Excellence in Research Award!**



Congratulations to **Mary Casagrande** from the Mostafavi Lab who was selected as a **winner at the first annual Population Health Trainee Research Day.**



Rishav Dasgupta from the Mostafavi Lab has graduated and **received his Master's Degree!**



Congratulations to **Emily McDonald** who **graduated** from the **Team Member Leadership Development Program!**



CHGG New Members

Brandes Lab



Juan Irizarry-Cole
Assistant Research
Scientist



Gabriella Snow
Research
Associate



Anushka Sinha
Research
Associate

Chakravarti Lab



Olena Marchenko, PhD
Senior Bioinformatics
Programmer



Trust Odia, PhD
Bioinformatics
Analyst

Evrony Lab



Emily Kalfas
Research Associate

Mostafavi Lab



Yanina Kuzminich, PhD
Postdoc



**Sri Gouri
Rajaram**
Research
Associate



Sool Lee, PhD
Postdoc

CHGG New Members



**Mosinmiloluwa
(Sinmi) Adewunmi**
NTV
Chakravarti Lab



Alex Peterson
Master's Student
Brandes Lab



**Mary Casagrande,
PhD**
PhD Rotational
Student
Mostafavi Lab



**Jenisha
Stapleton, PhD**
PhD Rotation
Student
Mostafavi Lab



Rishav Dasgupta
Masters Student
Mostafavi Lab



Ella Tejeda
NTV
Chakravarti Lab



Harper Dorr
NTV
Chakravarti Lab



Akshat Tulsani
Masters Student
Brandes Lab



**Neta Feinstein -
Goren**
Student
Evrony Lab



Lauren Wilkes
Summer Student
Chatterjee Lab



Hannah Lee
Genetic Counseling
Student
Anna Cantor, MA, MS,
CGC



Yanqiqi Zeng
Student
Evrony Lab



Po-Yu Lin
Master's Student
Brandes Lab

Seminar Series

Dec. 2024 – June 2025

Genetic Medicine Colloquia



Genes, Systems, & Computation Seminar Series



Computational Biomedicine Seminar



Special Seminars



CHGG Holiday Party

December 17th, 2025



HAPPY
HOLIDAYS
From, CHGG



CHGG

Other Events



Professional Development
Jasmine Hume
November 21st



Scientific Advisory Board
February 6th



Computational Biomedicine Seminar
February 27th

"Nutritional Inheritance in Health and Disease"

Hosted by the Center for Human Genetics and Genomics and the Institute of Translational Neuroscience



Professional Development
Monica Dus
May 7th

Upcoming Events

The Center for Human Genetics and Genomics 2025 Retreat will be held on **September 15th, 2025**.



Don't forget to **submit your abstract** to Emily McDonald and **print your poster** through [NYULH printing services](#).

RSVP for the reception at **Bella Union** [here](#)!





Dongwon Lee, PhD

Alumni, Chakravarti Lab - Post Doc

Assistant Professor of Pediatrics at
Harvard Medical School

1. When did you join Chakravarti Lab, for how long, and in which position?

I joined the Chakravarti Lab in September 2013 as a postdoctoral fellow.

2. What is your current position now?

I am currently an Assistant Professor at Boston Children's Hospital and Harvard Medical School.

3. Can you summarize some of the work you did in the Chakravarti Lab?

My work in the Chakravarti Lab primarily focused on the FEHGAS research program, investigating the causal genetic factors influencing blood pressure regulation. Leveraging my computational biology background, I specifically focused on identifying the gene regulatory mechanisms and transcriptional machinery involved in this process, particularly in human cardiac tissues. My publications during that time largely reflect this focus, and I continue to collaborate on related projects.



Dongwon Lee, PhD

Alumni, Chakravarti Lab - Post Doc

Assistant Professor of Pediatrics at Harvard Medical School

4. How did your experience as a Post Doc in Chakravarti Lab help you along the way?

Initially, I underestimated the specific knowledge required in human genetics to make meaningful contributions to the field. My early work failed and required refinement, a learning process that Aravinda supported. While my first publication as a primary author with Aravinda came in 2018, I had numerous opportunities to actively contribute to several other projects and publications prior to that. This collaborative and supportive culture of the lab was invaluable. The professional connections that I built, including ongoing collaborations with former member Ashish Kapoor, remains a significant asset. I am grateful to Aravinda for fostering such a positive and productive environment.

5. Did you ever consider an alternative career path?

I briefly considered industry options when my academic progress felt uncertain. However, I ultimately decided to remain in academia. Knowing that academia and industry are increasingly linked, I am keeping my options open, but right now, I am really enjoying my academic career.

6. What advice would you give to other Post Docs?

I am sure that your passion for science drove you to pursue a postdoctoral position. Just like your PhD journey, your postdoc requires consistent, daily effort for the best results. You are fortunate to have Dr. Chakravarti as your advisor. Trust his guidance and work hard.

Feedback

We Want to Hear from You!

We would like to feature your stories in the upcoming newsletter.

Please send us your Research Achievements:

- Published Articles
- Abstracts
- Presentations
- Awards

Who Are We?

Center for Human Genetics & Genomics

Faculty NYU Langone Health

CHGG Home Page

Center for Human Genetics & Genomics | NYU Langone Health

News, ideas, and feedback are always encouraged and can be sent to emily.mcdonald@nyulangone.org.

