

Ready to start planning your care? Call us at [800-525-2225](tel:800-525-2225) to make an appointment.

×



Memorial Sloan Kettering
Cancer Center

[About Us](#)
[Sloan Kettering Institute](#)

CANCER BIOLOGY & GENETICS PROGRAM

[Research](#)

The Andrea Ventura Lab

[Education & Training](#)

[Cancer Biology & Genetics Program](#)
[News & Events](#)

Research

[Open Positions](#)



Andrea Ventura, MD, PhD

One of the most exciting discoveries of the last two decades has been the identification of a large number of non-coding RNAs and the realization that they play essential roles in mammalian development and in diseases. Their study and the characterization of their contribution to the pathogenesis of human cancer is the central focus of our group. To learn more about our lab, please visit our blog and webpage at: www.venturalaboratory.com.

[View Lab Overview](#) →

Research Projects

[Projects](#)



Featured News



[At Work: Cancer Biologist Andrea Ventura](#)

Andrea Ventura's research is focused on microRNA expression, as he seeks to understand how

small RNAs act on genes to promote or suppress cancer.

IN THE LAB



[Disorderly DNA: Researchers Simulate a Common Cause of Lung Cancer](#)

MSK scientists have created a mouse model that replicates a subtype of non-small cell lung cancer caused by a chromosomal rearrangement.

VIDEO



[A Look Inside the Geoffrey Beene Cancer Research Center](#)

Watch our scientists discuss how the Geoffrey Beene Center helped Memorial Sloan Kettering establish a progressive approach to modern cancer research.

[View All Featured News](#)

Publications Highlights

[Li X., Pritykin Y., Concepcion C.P., Lu Y., La Rocca G., Zhang M., King B., Cook P.J., Au Y. W., Popow O., Paulo J.A., Otis G.A., Mastroleo C., Ogradowski P., Schreiner R., Haigis K.M., Betel D., Leslie C.S., Ventura A. High-Resolution In Vivo Identification of miRNA Targets by Halo-Enhanced Ago2 Pull-Down Molecular Cell, June 3, 2020](#)
<https://doi.org/10.1016/j.molcel.2020.05.009> PMID:32497493

[Perez AR, Pritykin Y, Vidigal JA, Chhangawala S, Zamparo L, Leslie CS, Ventura A. GuideScan software for improved single and paired CRISPR guide RNA design. Nat Biotechnol. 2017 Mar 6.](#)

[doi: 10.1038/nbt.3804](https://doi.org/10.1038/nbt.3804). [Epub ahead of print] PMID: 28263296

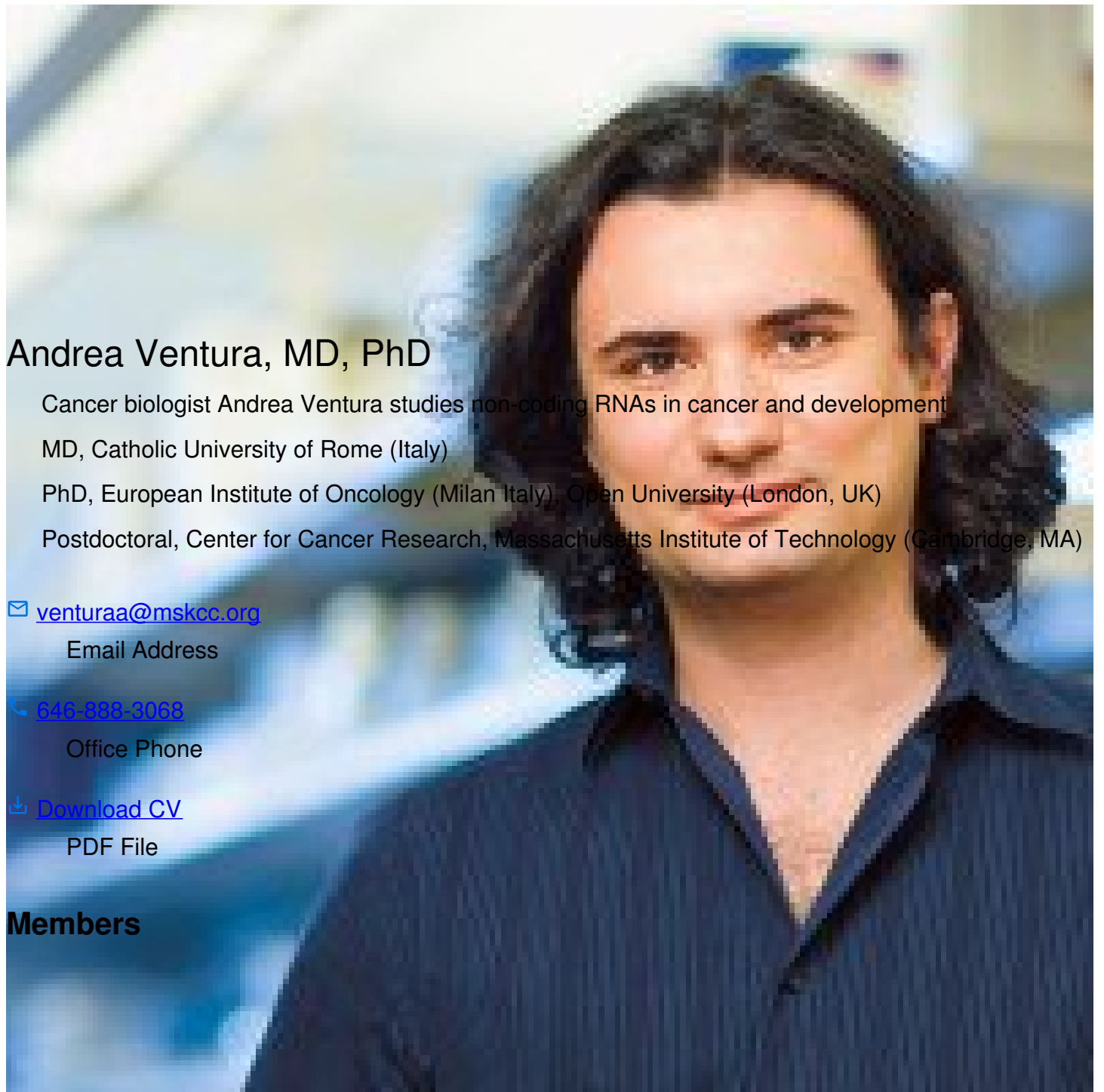
[Han YC, Vidigal JA, Mu P, Yao E, Singh I, González AJ, Concepcion CP, Bonetti C, Ogradowski P, Carver B, Selleri L, Betel D, Leslie C, Ventura A. An allelic series of miR-17 92-mutant mice uncovers functional specialization and cooperation among members of a microRNA polycistron. Nat Genet. 2015 Jun 1. doi: 10.1038/ng.3321. \[Epub ahead of print\] PubMed PMID: 26029871.](#)

[Danilo Maddalo, Eusebio Manchado, Carla P. Concepcion, Ciro Bonetti, Joana A. Vidigal, Yoon-Chi Han, Paul Ogradowski, Alessandra Crippa, Natasha Rekhtman, Elisa de Stanchina, Scott W. Lowe, and Andrea Ventura. In vivo engineering of oncogenic chromosomal rearrangements with the CRISPR/Cas9 system. Nature. 2014 Oct 22.](#)

[Concepcion CP, Han YC, Mu P, Bonetti C, Yao E, D'Andrea A, Vidigal JA, Maughan WP, Ogradowski P, Ventura A. Intact p53-Dependent Responses in miR-34-Deficient Mice. PLoS Genet. 2012 Jul; 8 \(7\) :e1002797.](#)

[View All Publications](#)

People



Andrea Ventura, MD, PhD

Cancer biologist Andrea Ventura studies non-coding RNAs in cancer and development

MD, Catholic University of Rome (Italy)

PhD, European Institute of Oncology (Milan Italy), Open University (London, UK)

Postdoctoral, Center for Cancer Research, Massachusetts Institute of Technology (Cambridge, MA)

✉ venturaa@mskcc.org

Email Address

☎ [646-888-3068](tel:646-888-3068)

Office Phone

📄 [Download CV](#)

PDF File

Members



Paul

Ogrodowski

Research Assistant



Raymond

Wu

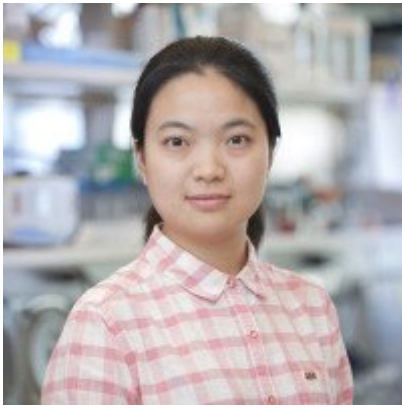
PhD Student



Ram

Kannan

Research Fellow



Xiaoyi Li

Postdoctoral Fellow, Jay
Shendure Lab, University
of Washington, Seattle,
WA

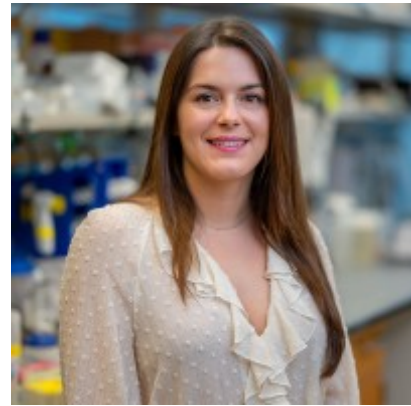


Turgut Dogruluk

Postdoctoral Fellow

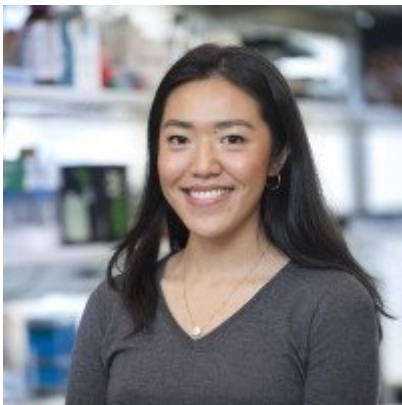


Andrea Ventura



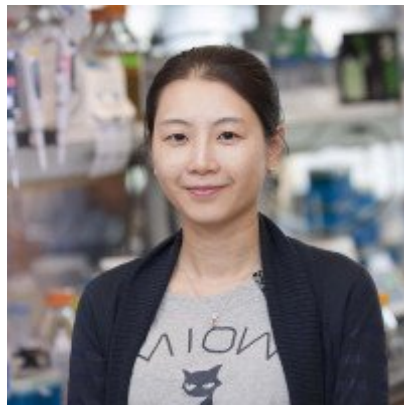
Ylenia Cendon
Florez

Research Scholar



Rui
Gao

Patent Law Clerk at Arnold
and Porter Kaye Scholer
LLP, Washington, DC



Kim Huensuk

Research Fellow



Ji Eun
Lee

Postdoc



Chiara Mastroleo

Research Technician, Sr.

Lab Alumni

+

Lab Affiliations

+

Open Positions

To learn more about available postdoctoral opportunities, please visit our [Career Center](#)

To learn more about compensation and benefits for postdoctoral researchers at MSK, please visit [Resources for Postdocs](#)

Career Opportunities

[Apply now](#) →

Research Technician position

We are looking for a research technician to help our investigations of the roles of non coding RNAs in cancer and development.

[Apply now](#) →

Get in Touch

 venturaa@mskcc.org

Lab Head Email

 [646-888-3068](tel:646-888-3068)

Office Phone

 [646-422-0871](tel:646-422-0871)

Office Fax

 [646-888-3069](tel:646-888-3069)

Lab Phone

 [_ Like the Ventura Lab on Facebook](#)

Disclosures

Doctors and faculty members often work with pharmaceutical, device, biotechnology, and life sciences companies, and other organizations outside of MSK, to find safe and effective cancer treatments, to improve patient care, and to educate the health care community.

MSK requires doctors and faculty members to report (“disclose”) the relationships and financial interests they have with external entities. As a commitment to transparency with our community, we make that information available to the public.

Andrea Ventura discloses the following relationships and financial interests:

Editas

Equity

The information published here is for a specific annual disclosure period. There may be differences between information on this and other public sites as a result of different reporting periods and/or the various ways relationships and financial interests are categorized by organizations that publish such data.

This page and data include information for a specific MSK annual disclosure period (January 1, 2022 through disclosure submission in spring 2023). This data reflects interests that may or may not still exist.

This data is updated annually.

Learn more about MSK's COI policies [here](#). For questions regarding MSK's COI-related policies and procedures, email MSK's Compliance Office at ecoi@mskcc.org.

[View all disclosures](#) →

[Communication preferences](#)

[Cookie preferences](#)

[Legal disclaimer](#)

[Accessibility Statement](#)

[Privacy policy](#)

[Public notices](#)

© 2024 Memorial Sloan Kettering Cancer Center

