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# Antitumor Assessment

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FOR THE MEDIA



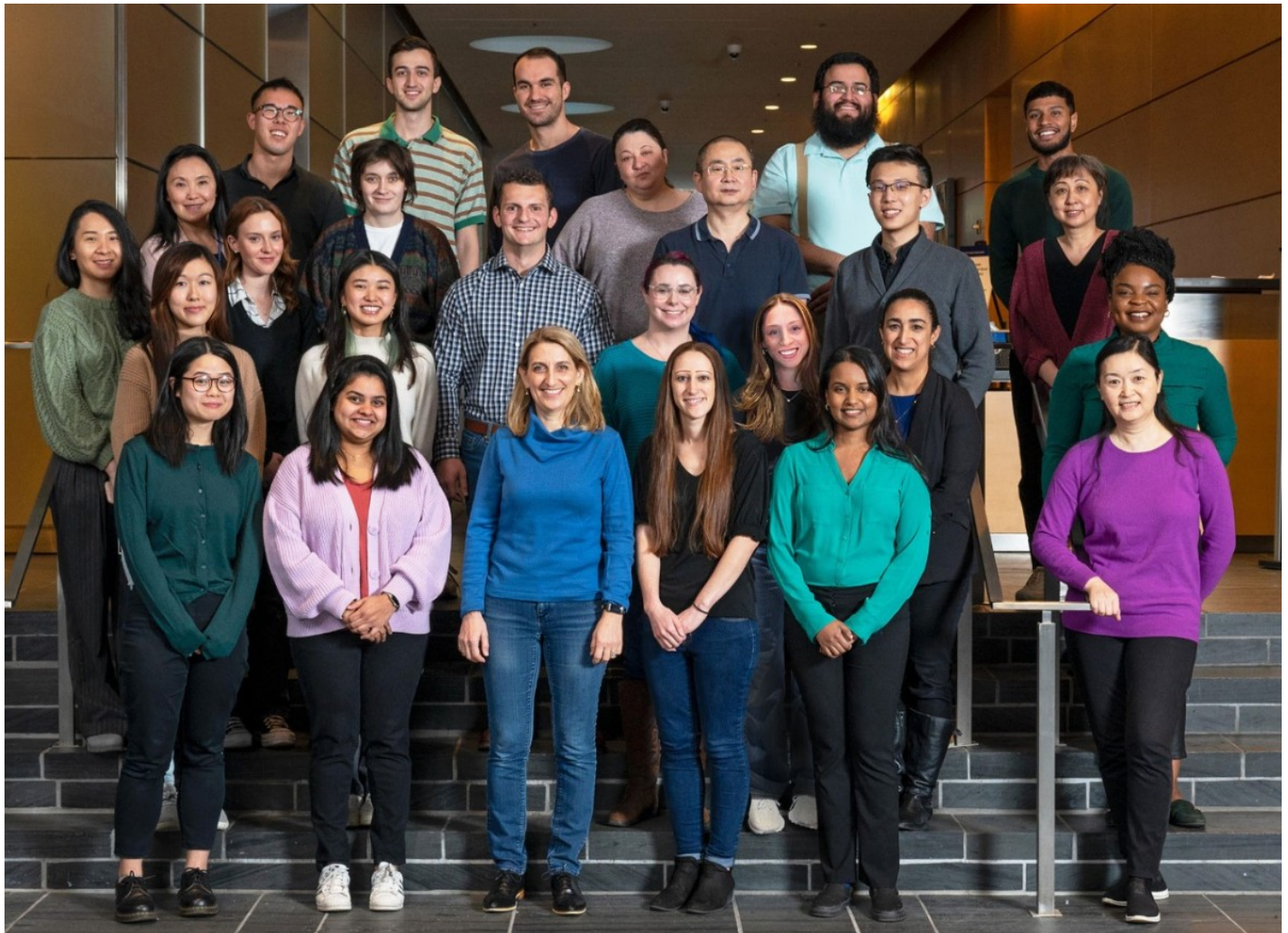
Elisa de Stanchina  
Director

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The Antitumor Assessment (ATA) Core provides support for early discovery and in vivo testing of antitumor detection and therapeutic agents. The Core provides resources, professional and technical expertise, and advisory services related to the evaluation of agents with potential diagnostic or therapeutic activity. The ATA Core works closely with investigators to establish preclinical models, including Patient-Derived Xenograft (PDX) and Patient-Derived Organoid (PDO) models, for the design and execution of pharmacokinetic (PK), toxicity, and in vivo efficacy studies. The Core also assists investigators in determining the best formulation, administration route, and

treatment schedule for each new compound, either alone or in combination with other agents. As such, the Core provides a major vehicle to facilitate preclinical studies, including Good Laboratory Practice (GLP)-compliant safety toxicology studies in support of Investigational New Drug (IND) applications, and is a major contributor to the translational mission of the Center. The Core helps investigators design, plan, and execute in vivo experiments, prepare animal protocols and grant applications involving animal studies, and analyze and summarize data for publication and for IND reporting. Importantly, the ATA Core acts as a central coordinator for studies involving support from several Shared Resources and centralized services at MSK (including Animal Imaging, Center for Comparative Medicine & Pathology, Integrated Genomics Operation, Organic Synthesis, Radiochemistry and Molecular Imaging Probes, and Molecular Cytology Cores, as well as MSK's Tissue Procurement Service) so that studies are conducted properly and in a time- and cost-efficient manner.

[View More \(https://www.mskcc.org/research-advantage/core-facilities/antitumor-assessment/overview\)](https://www.mskcc.org/research-advantage/core-facilities/antitumor-assessment/overview)



## Featured News



### [Memorial Sloan Kettering Cancer Center Tops Prestigious List of Highly Cited Researchers 2022](#)

Memorial Sloan Kettering Cancer Center (MSK) is proud to announce that it is ranked among the top 15 organizations with the greatest number of highly cited scientific researchers worldwide, according to the annual list of Highly Cited Researchers published by the Institute for Scientific Information at Clarivate.



### [A Closer Look at Breakthroughs in Medicine for Brain Metastasis](#)

MSK medical oncologist Bob Li discusses new opportunities in brain metastasis care thanks to innovative technology and medical breakthroughs.



### [Growing Science: A Decade Devoted to Advancing Cancer Research at the Sloan Kettering Institute](#)

A decade ago, the Sloan Kettering Institute embarked on an effort to broaden and streamline its research activities.

## Publications

[Chan JM, Quintanal-Villalonga Á, Gao VR, Xie Y, Allaj V, Chaudhary O,](#)

[Masilionis I, Egger J, Chow A, Walle T, Mattar M, Yarlagadda DVK, Wang JL, Uddin F, Offin M, Ciampricotti M, Qeriqi B, Bahr A, de Stanchina E, Bhanot UK, Lai WV, Bott MJ, Jones DR, Ruiz A, Baine MK, Li Y, Rekhtman N, Poirier JT, Nawy T, Sen T, Mazutis L, Hollmann TJ, Pe'er D, Rudin CM. Signatures of plasticity, metastasis, and immunosuppression in an atlas of human small cell lung cancer. \*Cancer Cell\*. 2021 Nov 8;39\(11\)](#)

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[Chow A, Schad S, Green MD, Hellmann MD, Allaj V, Ceglia N, Zago G, Shah NS, Sharma SK, Mattar M, Chan J, Rizvi H, Zhong H, Liu C, Bykov Y, Zamarin D, Shi H, Budhu S, Wohlhieter C, Uddin F, Gupta A, Khodos I, Waninger JJ, Qin A, Markowitz GJ, Mittal V, Balachandran V, Durham JN, Le DT, Zou W, Shah SP, McPherson A, Panageas K, Lewis JS, Perry JSA, de Stanchina E, Sen T, Poirier JT, Wolchok JD, Rudin CM, Merghoub T. Tim-4+ cavity-resident macrophages impair anti-tumor CD8+ T cell immunity. \*Cancer Cell\*. 2021 Jul 12;39\(7\)](#)

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[Ruscetti M, Morris JP 4th, Mezzadra R, Russell J, Leibold J, Romesser PB, Simon J, Kulick A, Ho YJ, Fennell M, Li J, Norgard RJ, Wilkinson JE, Alonso-Curbelo D, Sridharan R, Heller DA, de Stanchina E, Stanger BZ, Sherr CJ, Lowe SW. Senescence-Induced Vascular Remodeling Creates Therapeutic Vulnerabilities in Pancreas Cancer. \*Cell\*. 2020 Apr 16;181\(2\):424-441.e21. Epub 2020 Mar 31. Erratum in: \*Cell\*. 2021 Sep 2;184\(18\)](#)

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[Zhao Y, Murciano-Goroff YR, Xue JY, Ang A, Lucas J, Mai TT, Da Cruz Paula AF, Saiki AY, Mohn D, Achanta P, Sisk AE, Arora KS, Roy RS, Kim D, Li C, Lim LP, Li M, Bahr A, Loomis BR, de Stanchina E, Reis-Filho JS, Weigelt B, Berger M, Riely G, Arbour KC, Lipford JR, Li BT, Lito P. Diverse alterations associated with resistance to KRAS\(G12C\) inhibition. \*Nature\*. 2021 Nov;599\(7886\)](#)

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## People



Elisa de Stanchina  
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### Members



Santosh Adiraju  
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Senior Research Technician

Alumni

### Open Positions

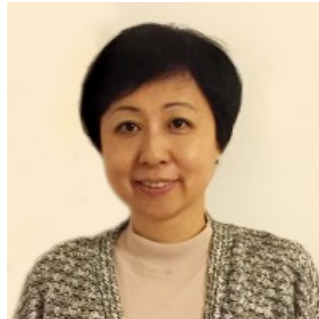
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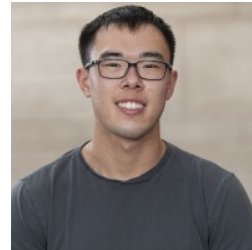
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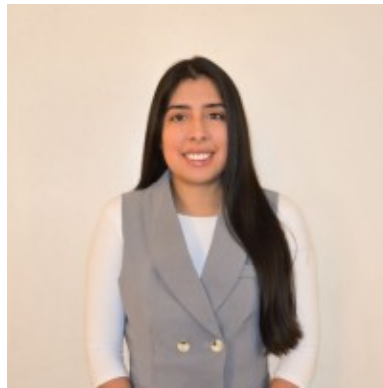
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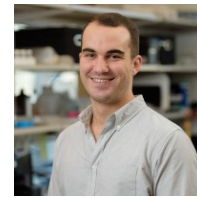
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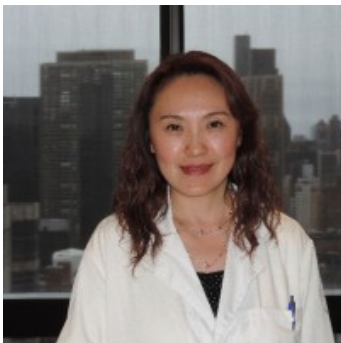
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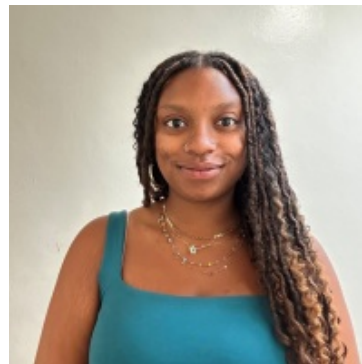
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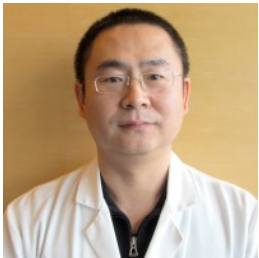
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