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FOR THE MEDIA



Nikolaus Schultz, PhD

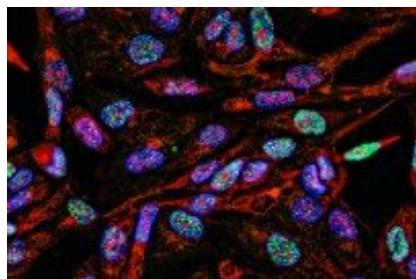
Director, Cancer Data Science Initiative; Head of Knowledge Systems, Marie-Josée & Henry R. Kravis Center for Molecular Oncology; Attending Computational Oncologist, Department of Epidemiology & Biostatistics

The Schultz lab focuses on identifying the genomic alterations that underlie different types of cancer. By applying existing and novel computational methods to large scale cancer genomics data sets, the lab aims to better understand the complex mechanisms at the gene and at the pathway level that drive tumor initiation, progression and response to therapy, with the ultimate goal of identifying targeted therapeutic options for cancer patients. A new focus of the lab is the systematic

extraction and standardization of clinical data elements from electronic health records. The lab is also involved in collaborative large-scale projects such as The Cancer Genome Atlas (TCGA), AACR Project GENIE, and the Human Tumor Atlas (HTAN). The group also has a strong interest in enabling discoveries by developing novel computational methods and databases that help bridge the divide between computer scientists on one side and clinicians and researchers on the other. Examples of these include the cBioPortal for Cancer Genomics, a popular resource for the visualization and analysis of cancer genomics data, and OncoKB®, a precision oncology knowledgebase.



Featured News



[The Mystery of Metastasis: Can a Tumor's Genetic Mutations Predict Whether and Where Cancer Will Spread?](#)

Data from 25,000 patients is helping scientists answer this and many other important questions.

FEATURE



[A Milestone for Precision Oncology: FDA Gives Green Light to MSK's Genetic Database](#)

OncoKB, a database developed and maintained by investigators at MSK, helps match patients with targeted therapies based on the mutations found in their tumors.

IN THE LAB



[What Was MSK's Role in TCGA, the Groundbreaking Cancer Genomic Study?](#)

The multicenter project, which yielded dozens of scientific papers on more than 30 different kinds of cancer, has officially drawn to a close.

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Publications Highlights

Jee J, Fong C, Pichotta K, Tran TN, Luthra A, Waters M, Fu C, Altoe M, Liu SY, Maron SB, Ahmed M, Kim S, Pirun M, Chatila W, de Bruijn I, Pasha A, Kundra R, Gross B, Mastrogiacomo B, Aprati TJ, Liu D, Gao J, Capelletti M, Pekala K, Loudon L, Perry M, Bandlamudi C, Donoghue M, Satravada BA, Martin A, Shen R, Chen Y, Brannon AR, Chang J, Braunstein L, Li A, Safonov A, Stonestrom A, Sanchez-Vela P, Wilhelm C, Robson M, Scher H, Ladanyi M, Reis-Filho JS, Solit DB, Jones DR, Gomez D, Yu H, Chakravarty D, Yaeger R, Abida W, Park W, O'Reilly EM, Garcia-Aguilar J, Soccia N,

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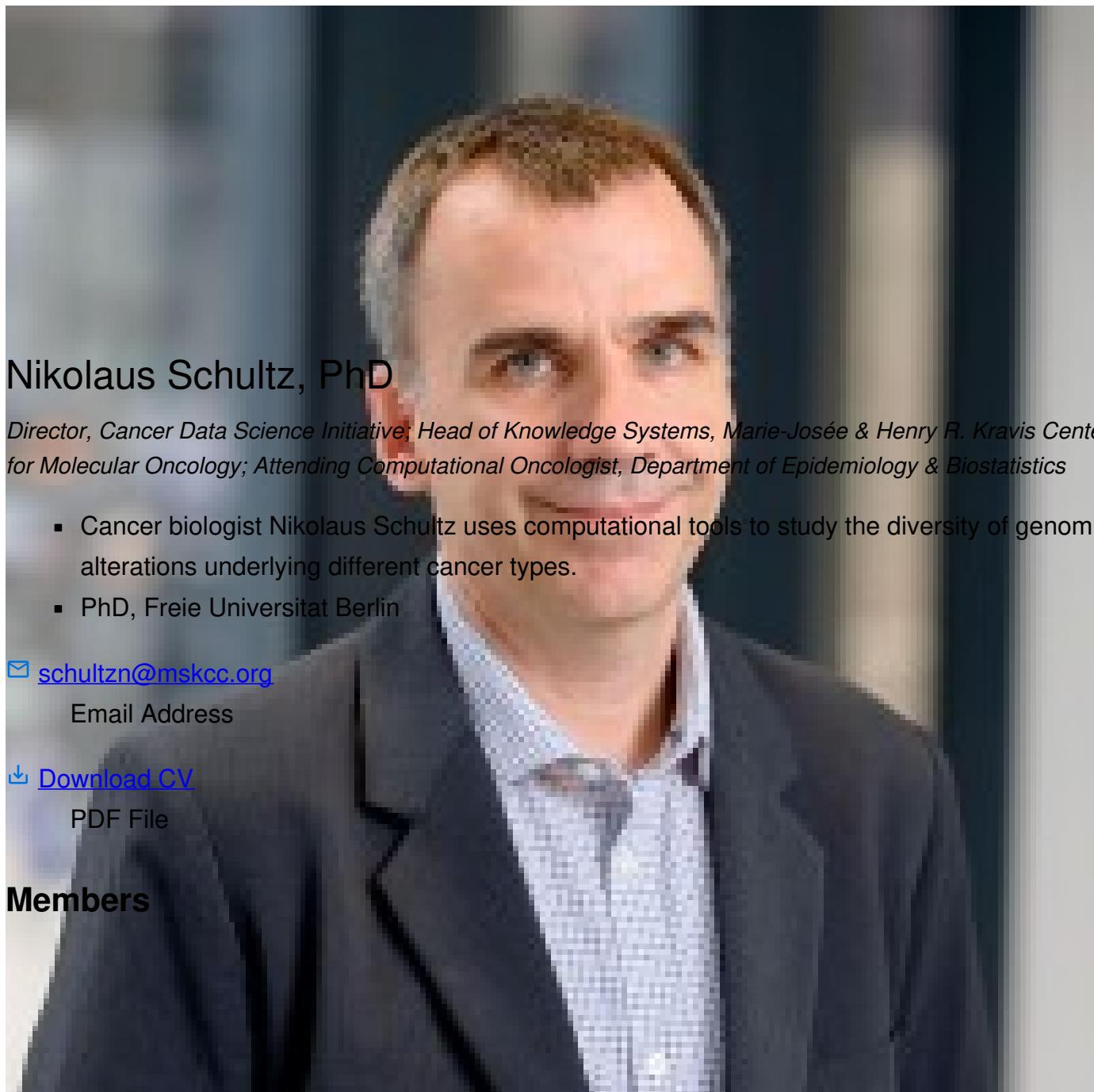
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Lotter W, Hassett MJ, Schultz N, Kehl KL, Van Allen EM, Cerami E. Artificial Intelligence in Oncology: Current Landscape, Challenges, and Future Directions. *Cancer Discov.* 2024 May 1

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People



Nikolaus Schultz, PhD

Director, Cancer Data Science Initiative; Head of Knowledge Systems, Marie-Josée & Henry R. Kravis Center for Molecular Oncology; Attending Computational Oncologist, Department of Epidemiology & Biostatistics

- Cancer biologist Nikolaus Schultz uses computational tools to study the diversity of genomic alterations underlying different cancer types.
- PhD, Freie Universität Berlin

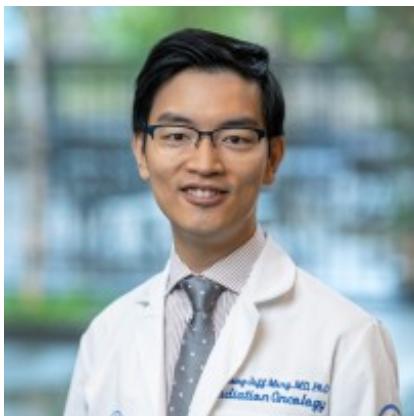
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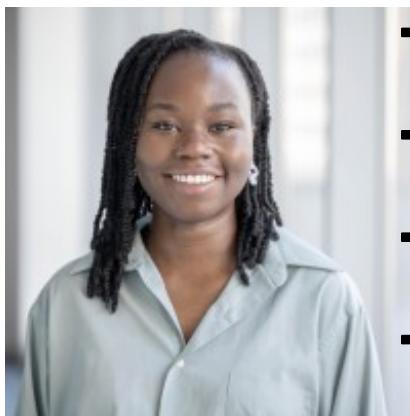
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Lab
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Lab Affiliations

Achievements

- Memorial Hospital Award for Excellence in Mentoring (2022)
- Geoffrey Beene Junior Faculty Chair (2019)
- [Josie Robertson Investigator \(2013-2018\)](#)
- Stupski Prize in Prostate Cancer Computational Oncology (2015)
- Young Investigator Award, Prostate Cancer Foundation (2014)



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whether a conflict of interest exists and whether formal COI management is needed.

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Disclosures

Members of the MSK Community 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. These activities outside of MSK further our mission, provide productive collaborations, and promote the practical application of scientific discoveries.

MSK requires doctors, faculty members, and leaders 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. Not all disclosed interests and relationships present conflicts of interest. MSK reviews all disclosed interests and relationships to assess

Innovation in Cancer Informatics



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Xiang (Molly) Han
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Justin Jee
Instructor



Ritika Kundra
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Engineer

Professional Services and Activities
(Uncompensated)

- Stand Up to Cancer

Professional Services and Activities

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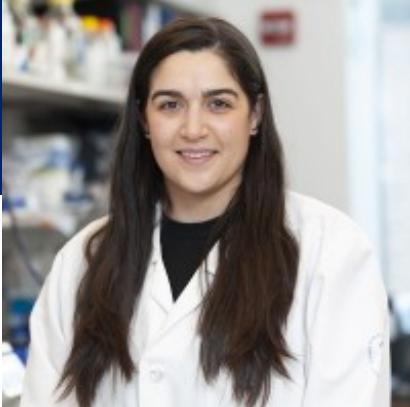
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Learn more about MSK's COI policies [here](#). For questions regarding MSK's COI-related policies and procedures, email MSK's Compliance Office at ecoi@mskcc.org.

[View all disclosures](https://www.mskcc.org/disclosures) (<https://www.mskcc.org/disclosures>)



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