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Director’s Welcome

I am delighted to share the 2017 Synapse Publications Report, and welcome staff and interested readers to take a moment to review the research activities of our authors via their published works.

Synapse is a public facing resource and the authoritative bibliographic database developed and maintained by a skilled team of information professionals led by Jeanine McSweeney, Associate Librarian, Scholarly Communication. We have over 63,000 entries [references] representing 13,905 author profiles, dating back to 1996, and we will continue to add more entries to include both current and retrospective content. For this reporting period (as of 09/26/18), there were 4,383 works vetted in 2017.

I am also excited to impart that we have added a new section to our annual report and are now including infographics that illustrate MSK’s research collaborations - international, within the United States, and local. The data to produce these maps were extracted from the authors’ affiliations for each research paper and shows our clinicians, researchers, nurses, and other healthcare professionals, and the geographic extent of their research in developing collaborative partnerships, sharing knowledge and expertise, and ultimately contributing to the ever-growing body of scholarly literature.

I hope that readers will get a sense of the wealth of knowledge attributed to Memorial Sloan Kettering Cancer Center, as well as the dedication required to maintain this valuable resource.

Donna Gibson
Director of Library Services
Introduction

About Synapse

Synapse is a collection of author profiles providing access to publications that are the result of research conducted at or by Memorial Sloan Kettering. The MSK Library developed Synapse in order to increase the visibility of and promote the work and collaboration of MSK researchers, clinicians, nurses, and healthcare professionals, ensuring that their publications are discoverable.

To populate Synapse, the following commercial databases are searched for publications with an affiliation of “Memorial Sloan Kettering Cancer Center” and other name variations:

- Scopus – science, technology, medicine, social science, and arts & humanities
- Web of Science – science and social science
- Biosis Citation Index – biomedical and life science
- CINAHL – nursing and allied health
- PsycINFO – behavioral and social science

Librarians then manually vet each record to eliminate duplicates, verify citation details, add identifiers (DOI, PMID, PMCID), standardize metadata, and identify the appropriate MSK authors. New content is added monthly, excluding in-press, epub, and online before print articles. Retrospective content dating back to 1884 is scheduled for inclusion. As of September 26, 2018, Synapse contains content dating back to 1996.

2017 Works: 4,383

- 3,007 Journal Articles
- 1,254 Meeting Abstracts
- 83 Book Sections
- 34 Conference Papers
- 5 Whole Books

1,980 (66%) of 2017’s journal articles are NIH funded*

*In Synapse, a “journal article” may refer to a research article, review/survey, editorial, letter or chapter in a monographic series. Only peer-reviewed articles are required to cite NIH funding.
Introduction

ORCID@MSK

How has this service impacted MSK researchers?

Through ORCID, library staff can promote research discoverability, and increase the transparency and disambiguation of authorship to ensure that MSK researchers receive appropriate credit for their work and related endeavors.

ORCID is a non-proprietary organization and initiative providing a mechanism to establish unique identifiers and profile pages for scientific researchers. Launched in March 2016, ORCID@MSK makes it easy for authors to upload references (works) from Synapse to their ORCID profiles. ORCID iDs are persistent, 16-digit unique identifiers (expressed as a URL), that create greater efficiencies for authors, publishers, funders, and others involved in scholarly communication activities.

When MSK authors use this service to create and submit their ORCID iDs, links to their ORCID records will appear on their Synapse profiles, showcasing their unique digital identifiers which distinguish them from other researchers. These identifiers safeguard that all scientific and research contributions are associated with the correct researcher (removing any ambiguity between authors with similar names), they aid in automatically populating an NIH biographical sketch (translating to no more re-typing the same data), and they integrate with eRA Commons (Personal Profile section).

More About ORCID@MSK

Informational page: https://library.mskcc.org/services/orcid-at-msk
FAQs: https://library.mskcc.org/help/faq/orcid
Registration homepage: https://synapse.mskcc.org/orcid

As of October 2018, 1,004 (24% of) authors currently employed at MSK have registered their ORCID iDs with our service.
People

Top Authors

As new works are added to Synapse, the Synapse team consults the original published documents to find out which authors list MSK as an affiliation. We then use resources provided by Human Resources and Public Affairs to identify which employees match each of the named authors. When a match is confirmed, we “verify” the author on the work so that it becomes linked to the author’s profile page.

New authors may be discovered at this point, and if so, profile pages are created and the author is notified by email.

The top 10 most prolific authors of 2017 include:

Sergio A. Giralt, MD
Hematologic Oncologist, Chief, Adult Bone Marrow Transplant Service; Melvin Berlin Family Chair in Multiple Myeloma

Monica Morrow, MD, FACS
Surgeon Chief, Breast Service, Department of Surgery; Anne Burnett Windfohr Chair of Clinical Oncology

José Baselga, MD, PhD
Physician-in-Chief and Chief Medical Officer, Memorial Hospital (2012-2018)

Martin S. Tallman, MD
Hematologic Oncologist, Chief, Leukemia Service

Steven M. Horwitz, MD
Medical Oncologist

Michael F. Berger, PhD
Geneticist, Associate Director, Marie-Josée and Henry R. Kravis Center for Molecular Oncology

Prasad S. Adusumilli, MD, FACS
Surgeon, Deputy Chief, Thoracic Service; Director, Mesothelioma Program; Head, Solid Tumors Cell Therapy, Cellular Therapeutics Center

Jorge S. Reis-Filho, MD, PhD, FRCPath
Surgical Pathologist, Chief, Experimental Pathology Service

Joseph O. Deasy, PhD
Chair, Department of Medical Physics; Enid A. Haupt Chair in Medical Physics

Andreas Rimner, MD
Radiation Oncologist
New Authors

In 2017, Synapse profiles were created for the following 524 MSK employees:

Abeshouse, Adam Alon
Human Oncology & Pathogenesis Program (HOPP)

Adams, Elizabeth Janine
HOPP

Adewale, Omotara Joan
MSK At 53 Street

Adileh, Mohammad
Graduate Staff

Agarwal, Rajiv
Graduate Staff

Agatep, Jennifer
Advanced Practice Providers

Ahad, Afruja
Molecular Pharmacology Program

Ahmed, Amina S
Research & Technology Management

Allen, Emma Casey
MSK 60th Street

Alvarez, Kelsey
Nursing

Aly, Rania Gaber
SKI Surgery

Anant, Pavan K
Medicine

Ananthanarayanan, Aparna
Research Facilities

Anderson, Christine
Advanced Practice Providers

Anderson, Kelley Lynn
Main Campus Outpatient Services

Araki, Jingwen
Cancer Biology & Genetics

Aramburu Nunez, David
Graduate Staff

Arbour, Kathryn Cecilia
Graduate Staff

Arevalo, Maria
Nursing

Arnold, Paige Krystin
Graduate School Administration

Asciolla, James John
Graduate Studies

Aviki, Emeline Mariam
Graduate Staff

Bachovchin, Daniel
Chemical Biology Program

Baez, Priscilla
SKI - Pathology

Baker, Hanan
Graduate School Administration

Balingcongan, Alexis
Nursing

Barnett, Ethan Sean
Medicine

Barnett, Kara Michelle
Anesthesiology

Bartlett, Edmund King
Graduate Staff

Barzilai, Ori
Graduate Staff

Bayin, Nermin S
Developmental Biology

Beckham, Thomas Hendrix
Graduate Staff

Ben Chetrit, Nir
Immunology

Bensman, Yevgeniya
Laboratory Medicine

Bentos-Pereira, Heidi
Nursing

Bernard, Elsa
SKI - Epidemiology/Biostatistics

Bhatia, Ankush
Neurology

Bianco, Nicole Marie
Nursing

Birnbaum, Jack
Pathology

Birsoy, Ozge
Pathology

Bitner, Lillian Elizabeth
HOPP

Braccia, Donna M
Nursing

Brauer, Steve L
Quality of Care Initiative

Braunstein, Lior Z
Radiation Oncology

Brenner, Robin Beth
Nursing

Bright, Rachel Susanne
Pediatrics

Brinkman, Thomas William
Research Service Centers

Bryce, Yolanda
Radiology

Buda, Kara Lee
SKI - Psychiatry/Counseling

Bullard, Raquel S N
Urology Outpatient

Burgos da Silva, Marina
Immunology

Burleson, Sarah
Medical Physics

Cabral Ramos Do Rego
Barros, Marilia
Chemical Biology Program

Callan, Devin Eileen
Nursing

Camara, Steven J
Immunology

Cambria, Roy
Research & Technology Management

Cancio, Maria
Pediatrics

Carter, Jason Todd
Advanced Practice Providers

Carter, Lukas M
SKI - Radiology

Caufield, Grace McDonough
Nursing

Cavallo-Fleming, Julie-Ann
SKI - Radiation Oncology

Chan, Carmen Jai Hua
HOPP

Chandran, Smita Sarat
SKI - Medicine

Author Profiles in Synapse (13,905)

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*as of October 2018
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| Chang, Tzu-Pei  
Cancer Biology & Genetics |
| Chau, Karen  
Radiation Oncology |
| Chen, Grant H  
Anesthesiology |
| Chen, Jennifer C  
Biostat/Epidemiology |
| Chen, Liang Hua  
Laboratory Medicine |
| Chen, Nan  
SKI - Surgery |
| Chen, Ruoyao  
Graduate Studies |
| Cheng, Yuanming  
Molecular Pharmacology Program |
| Chimonas, Susan  
Biostat/Epidemiology |
| Cho, Andrew  
Graduate Studies |
| Chui, Ashley Jeng-yun  
Graduate Studies |
| Cimaglia, Nicholas Drew  
Research & Technology Management |
| Clement, Keith A  
Advanced Practice Providers |
| Cobbs, Kirsten N  
Pediatrics |
| Coffey, Kristen  
Graduate Staff |
| Cohen, Jean-Marc  
Pathology |
| Coleman, Morgan Janee  
Medicine |
| Cols Vidal, Montserrat  
Immunology |
| Concepcion-Arens, Annalisa  
Nursing |
| Corke, Rachel  
Pediatrics |
| Covington, April  
Health Informatics |
| Covington, Christina M  
Medicine |
| Creasy, John  
Graduate Staff |
| Crowe, Susan  
Nursing |
| Cutrone, Joaimee Nagtalon  
BAIC |
| Cybuliska, Paulina  
Graduate Staff |
| Daly, Robert M  
Medicine |
| Damato, Antonio Leonardo  
Medical Physics |
| Damerla, Rama Rao  
SKI - Radiation Oncology |
| Das, Mom  
Structural Biology |
| Datta, Jashdeep  
Graduate Staff |
| Datta, Satirtha  
Medicine |
| Davey, Theresa  
Advanced Practice Providers |
| David Shternberg, Yael Ema  
Chemical Biology Program |
| De, Brian Sandeep  
SKI - Radiation Oncology |
| Degtyaryova, Diana  
Laboratory Medicine |
| DeRosa, Amelia  
Pediatrics |
| Desai, Anjali Varma  
Medicine |
| Dhar, Ankita  
Structural Biology |
| Dhingra, Nalini  
Molecular Biology |
| Diamonte, Claudia R  
Nursing |
| Diaz, Luis Alberto  
Medicine |
| Dilling, Thomas R  
SKI - Radiology |
| Dimitriadoy, Sofia  
HOPP |
| Ditwell, Oksana  
Nursing |
| Dixon, Brianne N  
Pharmacy |
| Dobrin, Anton  
Graduate School Administration |
| Donofrio, Lindsay Michelle  
Main Campus Outpatient Services |
| Donoghue, Mark  
HOPP |
| Drebin, Jeffrey Adam  
Surgery |
| Drutman, Scott B  
Graduate Staff |
| Dunbar, Andrew Jeffrey  
Graduate Staff |
| Edelstein, Andrew M  
Psychiatry Service |
| Elbeler, Lindsey Karen  
Main Campus Outpatient Services |
| Eichner, Chrysanne Veronica  
Neurology |
| El Dika, Imane  
Medicine |
| El Rayes, Tina  
Immunology |
| Ellenburg, Amy M  
Pharmacy |
| Elnajjar, Pierre  
Radiology |
| Episcopia, Karen Jean  
Medical Physics |
| Epstein-Peterson, Zachary  
Graduate Staff |
| Errante, Mimma  
Advanced Practice Providers |
| Escobar Hoyos, Luisa Fernanda  
HOPP |
| Escobedo, Virginia M  
Pediatrics |
| Estrella, Hayley M  
Medicine |
| Faivus, Lisa Roseann  
Nursing |
| Farouk Sait, Sameer  
Pediatrics |
| Fatmi, Samira Anjum  
Medicine |
| Fellows, Kerry Robinson  
Nursing |
| Fessele, Kristen L  
Nursing |
| Fitzpatrick, Violet  
Employee Health & Wellness |
| Fontana, Emily  
Immunology |
| Fontanez, Caitlin  
Nursing |
| Fox, Kathleen Elizabeth  
MSK At 53 Street |
| Frost, Georgia  
Graduate Studies |
| Fung, Kimberly  
SKI - Radiology |
| Galassi, Thomas Vito  
Graduate Studies |
| Ganesan, Nivetha  
Medicine |
| Gao, Yiming  
Graduate Staff |
| Gardner Costa Oliveira, Rui  
Research Facilities |
| Garg, Angad  
Molecular Biology |
| Gauran, Cosmin  
Anesthesiology |
New Authors

Gazit, Lior
Strategy & Innovation

Geer, Eliza Brevoort
Medicine

Gerdes, Suzanne D
Employee Health & Wellness

Ghosh, Shreya
Molecular Biology

Giavridis, Theodoros
Graduate Studies

Gilbert, Melissa M
Nursing

Gillen, Caitlin Kane
Pediatrics

Gilchier, Rachel S
Pediatrics

Godoy Scripes, Paola
Medical Physics

Goldberg, Rachael
Psychosocial Support

Gomes, Antonio LC
Immunology

Grabenstetter, Anne
Pathology

Granobles, Adrian
Research & Technology Management

Griffin, Jessica Lynn
Basking Ridge

Guarini, Edith Maria
Main Campus Outpatient Services

Gularte Merida, Rodrigo Jose
SKI - Pathology

Gundem, Gunes
SKI - Epidemiology/Biostatistics

Gupta, Karan
Graduate Staff

Haase, Curt B
MSK At 53 Street

Haddock, Sara Lynn
Graduate Studies

Hall, Melanie
Research Facilities

Hallissey, Nicole Lynn
Employee Health & Wellness

Hambright, Katie Alyson
Main Campus Outpatient Services

Hamilton, Elizabeth Price
Commack

Hammond, William Joseph
Graduate Staff

Hanusch, Bethany
Medicine

Haq, Rabia
SKI - Medical Physics

Harvey, Jackson D
Graduate Studies

Hawthorne, Ma-Melcha T
Nursing

Hay, Ashley
Graduate Staff

Heinberg, Aileen
Strategy & Innovation

Henry, Kelly Elizabeth
SKI - Radiology

Hill, Corinne Elizabeth
Medicine

Hipp, Elizabeth
Monmouth

Hitchman, Tyler
Graduate School Administration

Holder, Jenessa Nyasha
Medicine

Hong, Hong
Laboratory Medicine

Hong, Jungeui
SKI - Pathology

Horiates Spatz, Krisoula
Pharmacy

Horste, Ellen
Graduate School Administration

Hoseini, Sayed Shahabuddin
SKI - Pediatrics

Hosseini, Narges
Hospital Administration

Hotca-Cho, Alexandra Elena
SKI - Radiation Oncology

Houlihan, Shauna Lee
Cancer Biology & Genetics

Hsu, Hsiao Ting Charlene
Molecular Pharmacology Program

Huang, Chi
Medical Physics

Huang, Qijie
Medical Physics

Huang, Suzanne
Radiology

Hurtado, Brenda Y
Research Service Centers

Hwang, Kyong Ah
Radiation Oncology

Imber, Brandon Stuart
Graduate Staff

Isbell, James Michael
Surgery

Iyer, Aditi
Medical Physics

Iyer, Archana S
Computational & Systems Biology Program

Jackson, Ashley
Medical Physics

Jaffer Sathick, Insara Jabin
Medicine

Jahn, Lorenz
Immunology

Jain, Divanshi
Molecular Biology

Jain, Raina Himani
Graduate Staff

Jairam, Sowmya
Pathology

James, Scott E
Medicine

Jaspers, Janneke Elisabeth
SKI - Medicine

Jayakumaran, Gowtham
Pathology

Jefferson, Itisha S
Graduate Staff

Jeong, Sangmoo
SKI - Radiology

Jiang, Yue
SKI - Medical Physics

Joffe, Erel
Graduate Staff

Johnson, Darren Christopher
Graduate Studies

Joshi, Suhasini
Chemical Biology Program

Jung, Hea Jin
Immunology

Jungverdorben, Johannes Christopher
Developmental Biology

Kaltenboeck, Anna
SKI - Epidemiology/Biostatistics

Kan, Lijuan
Developmental Biology

Kanik, Joseph G
Biostat/Epidemiology

Kesner, Adam Leon
Medical Physics

Khan, Atif Jalees
Radiation Oncology

Khan, Niloufer
Graduate Staff

Khattar, Pallavi
Graduate Staff
### New Authors

<table>
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<tr>
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<td>Ki, Michelle Carmen</td>
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<td>Cancer Biology &amp; Genetics</td>
</tr>
<tr>
<td>Mavity, Jennie Eleanor</td>
<td>Nursing</td>
</tr>
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</table>
New Authors

Mazis, Christopher M
Graduate Staff

Mazzella, Allix Leigh
Pathology

McCarthy, Grace E
Nursing

McEneaney, Stephanie
Nursing

McNeil, Anjuli J.
SKI - Surgery

McQuade, Meagan Harrington
Nursing

Medina, Juan Santiago
Collaborative Research Centers - PIC Directed

Melchor, Jerry Patricio
Collaborative Research Centers - PIC Directed

Membreno, Rosemary
SKI - Radiology

Meng, Xiangzhou
Molecular Biology

Menghranjani, Kamal Nand
Graduate Staff

Miele, Matthew M
Research Facilities

Milewski, Andrew Robert
Graduate Studies

Miller, Shoshana T
Medicine

Minnal, Veenna
Medicine

Moarli, Matali Wilfrid Serge
SKI - Epidemiology/Biostatistics

Mohabir, Heeralall
Radiology

Mol, Rhonda L
Bergen

Mones, Jodi Victoria
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Moore, Una Denise
Nursing

Moral, John Alec Gaite
SKI - Surgery

Morcerf, Barbara
Nursing

Moukarzel, Lea
Graduate Staff

Muhammad, Hassan
Graduate Studies

Mullaly-Franca, Maureen
Nursing

Nacev, Benjamin Alexander
Graduate Staff

Nadeem, Zaineb
HOPP

Naputo, Kristine Anne
Medicine

Nashat, Melissa
Research Facilities

Nellis, Marianne
Pediatrics

Nelson, Jonas Allan
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Nevin, Michael Philip
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Nguyen, Dlu Thi Thanh
Molecular Pharmacology Program

Niehaus, Kate
Quality of Care Initiative

Novak, Janet E
Surgery

Ochoa, Angelica
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O’Connell, Kelli
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Offin, Michael David
Graduate Staff

Okondo, Marian
Chemical Biology Program

O’Neill, Tara
Pediatrics

Osorio, Juan Carlos
Graduate Staff

Pedro Guzman, Jesuel
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Paffenholtz, Stella V
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Pal, Suchetan
SKI - Radiology

Paloubis, Laura J
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Panchal, Hinaben J
SKI - Surgery

Pang, Nan
SKI - Surgery

Pappacena, Jeremy J
Pharmacy

Park, Jeong A
SKI - Pediatrics

Parsa, Sara
Cancer Biology & Genetics

Pasion, Joyce Penelope
Graduate Studies

Patel, Suchit Hitesh
Graduate Staff

Patruno, Anna
Collaborative Research Centers - PIC Directed

Paudyal, Ramesh
SKI - Medical Physics

Pe’er, Dana
Computational & Systems Biology Program

Pergolizzi, Denise
SKI - Psychiatry/Counseling

Petkovska, Iva
Radiology

Peyton, Lauren
Monmouth

Picarde, Lauren Ann
Nursing

Pickard, Amanda J
Research Facilities

Pierre Louis, Alejandra Marie
Pathology

Piersigilli, Alessandra
Research Facilities

Piasek, Anna F
Neurology

Platzman, Andre
Medical Physics

Porzio, Robert C
MSK At 53 Street

Pourmaleki, Maryam
HOPP

Pourpe, Stephane
SKI - Medicine

Pradhan, Nisha
SKI - Medicine

Pulecio Rojas, Julian Andres
Developmental Biology

Quinn, Kelly
BAIC

Ranaghan, Coleen Patricia
Advanced Practice Providers

Redlich, Shira
HOPP

Reichel, Allison Lee
Physician in Chief

Reisch, Sally A
SKI - Psychiatry/Counseling

Ricca, Jacob M
Graduate Staff

Rieth, Elizabeth Fay
Anesthesiology

Riley, Kristen E
SKI - Psychiatry/Counseling

Rivera, Jeannine M
Hospital Administration

Riyahi Alam, Mohamad Sadegh
SKI - Medical Physics

Rizvi, Hira Abbas
Collaborative Research Centers - PIC Directed
New Authors

Rodriguez Rodriguez, Jose Antonio
Molecular Biology

Rogers, Madeline Cullity
Psychiatry Service

Romanoff, Anya
Graduate Staff

Romero, Sally Ann Dominick
SKI - Integrative Medicine

Rosen, Siera A
Developmental Biology

Ross, Jennifer
Anesthesiology

Rudolph, Julia E
Collaborative Research Centers - PIC Directed

Ryan, Davinia Elizabeth
Radiology

Saab, Jad
Graduate Staff

Sabio, Erich
Human Oncology and Pathogenesis Program

Saboi, Christopher
Radiation Oncology

Sadique, Ahmad Nasif
SKI - Radiology

Sahin, Merve
Graduate Studies

Sahu, Aditi Kamlesh
SKI - Medicine

Salamanca Cardona, Lucia
SKI - Anesthesiology/Critical Care

Santos Martin, Ernesto Graciano
Radiology

Santos, Patricia Mae Garcia
Graduate Staff

Sauter, Jennifer Lynn
Pathology

Sawano, Peter
Radiology

Schaff, Lauren Rhea
Neurology

Schaumberg, Andrew J
Graduate Studies

Schilsky, Juliana Brooke
Radiology

Schneider, Robert
Medicine

Schreyer, Mark W
Radiology

Schueffler, Peter Johannes
Collaborative Research Centers - PIC Directed

Schulman, Jessica W
Collaborative Research Centers - PIC Directed

Scipione, Marco R
Pharmacy

Scott, Jessica M
Medicine

Segura, Sheila Elaika
Graduate Staff

Seier, Kenneth
Biostat/Epidemiology

Selenica, Pier
SKI - Pathology

Shah, Niral Minesh
Medical Physics

Shah, Rachna
Radiation Oncology

Shames, Yelena
Nursing

Sharma, Rahul
Immunology

Sharma, Sahil
Chemical Biology Program

Shen, Cong
Pathology

Shepherd, Annemarie Fernandes
Radiation Oncology

Shlezinger, Neta
SKI - Medicine

Shulman, Avital
Graduate Studies

Siau, Evan Gellin Dio
SKI - Pathology

Sihag, Smita
Surgery

Silber, Deborah Scaler
Graduate Staff

Silva, David S
Radiology

Simon-Vermot, Theresa
Cancer Biology & Genetics

Sims, Jennifer Sung
Human Oncology &amp

Sinha, Smrita
Medicine

Slingerland, John Banker
Immunology

Slocum, Alison Lindsay
SKI - Pediatrics

Smelyanskaya, Ella
BAIC

Sogani, Julie Anjali
Graduate Staff

Soong, Joanne
HOPP

Spielsinger, Daniel J
Radiation Oncology

Srinivasan, Preethi
Graduate Studies

Staehr, Mette
SKI - Medicine

Stater, Evan P
Graduate Studies

Steiner, Amanda
Monmouth

Stein-Thoeringer, Christoph
Immunology

Strillacci, Antonio
HOPP

Suehnholz, Sarah Phillips
Collaborative Research Centers - PIC Directed

Sumka, James M
Basking Ridge

Taabazuing, Cornelius Y
Chemical Biology Program

Tang, Laura
Pharmacy

Tang, Sarah Shiann
Graduate School Administration

Tannenbaum, Allen
SKI - Medical Physics

Tchekmedjian, Vatche
Graduate Staff

Teng, Rebecca
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Tian, Sha
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Tjan, Catherine
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Tokita, Hanae
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Tollinche, Luis Etienne
Anesthesiology

Tomlinson, Ursula Mcpeak
Pediatrics

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Twersky, Rebecca Shoshana
Anesthesiology

Vasan, Neil
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Vatsayan, Anant
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Vaughan, Kerri Ann
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Vedanayagam, Jeffrey Pratap Joseph Xavier
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Vides, Alberto
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Vitolano, Stephanie
Pediatrics

Waldenberg, Todd
Radiation Oncology

Walther, Tyler
SKI - Medicine

Wang, Jiaojiao
HOPP

Wang, Linlin
SKI - Pediatrics

Wang, Wei
Pathology

Ward, Sarah Vivianne
SKI - Epidemiology/Biostatistics

Wardrope, Jessica Leticia
Pathology

Warner, Allison Betof
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Wasserman, Isaac
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Weill, Benjamin J
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Weiler, Amanda Kaitlin
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Wieder Fedus, Sylvia
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Wiewiora, Rafal
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Windner, Stefanie E
Developmental Biology

Wipperman, Matthew F
Immunology

Wiszowaty, Alicja
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Wolchasty, Natalie Christina
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Wolchok, Rachel
SKI - Psychiatry/Counseling

Wong, Donna
Pathology

Wu, Binbin
Medical Physics

Wu, Jiong
Research Facilities

Xiao, Wenbin
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Xie, Wei
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Xie, Yuchen
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Xu, Haoming
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Xue, Yaohua
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Yan, Jinyuan
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Yang, Dapeng
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Yang, Gloria
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Yang, Jiang
SKI - Radiology

Yang, Zhaohui
Graduate Studies

Yerram, Prakirthi
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Yilmaz, Zera
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Yu, Alex
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Yu, Nancy Lynn
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Yu, Peter Paul
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Zamparo, Lee
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Zanchelli, Bhumika
SKI - Surgery

Zanganeh, Saeid
SKI - Radiology

Zarepisheh, Masoud
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Zattas, Dimitrios
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Zhang, Hong
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Zhang, Hongxin
HOPP

Zhang, Lei
SKI - Medical Physics

Zhang, Minsi
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Zhang, Qize
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Zhang, Yan
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Zhang, Yanming
Pathology

Zhao, Jimmy Liu
Graduate Staff

Zhou, Zhiping
SKI - Pediatrics

Zielaskowski, Katherine Lee
Research & Technology Management
Publications

### Journal Articles

The following chart shows the top 10 journal titles (by number of 2017 Synapse works) that MSK authors published articles in. In Synapse, a “journal article” may refer to a research article, review/survey, editorial, letter, or chapter in a monographic series.

<table>
<thead>
<tr>
<th>Journal Title</th>
<th>Number of Synapse works for the year</th>
<th>Impact Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Journal of Clinical Oncology</td>
<td>89</td>
<td>26.303</td>
</tr>
<tr>
<td>Clinical Cancer Research</td>
<td>56</td>
<td>10.199</td>
</tr>
<tr>
<td>Blood</td>
<td>51</td>
<td>15.132</td>
</tr>
<tr>
<td>Annals of Surgical Oncology</td>
<td>43</td>
<td>3.857</td>
</tr>
<tr>
<td>Cancer</td>
<td>43</td>
<td>6.537</td>
</tr>
<tr>
<td>Oncotarget</td>
<td>42</td>
<td>5.168</td>
</tr>
<tr>
<td>Annals of Oncology</td>
<td>41</td>
<td>13.926</td>
</tr>
<tr>
<td>Gynecologic Oncology</td>
<td>37</td>
<td>4.54</td>
</tr>
<tr>
<td>Nature Communications</td>
<td>35</td>
<td>12.353</td>
</tr>
<tr>
<td>International Journal of Radiation</td>
<td>33</td>
<td>5.554</td>
</tr>
</tbody>
</table>

*Impact factors were retrieved on 9/28/2018 from Journal Citation Reports, a product of Clarivate Analytics.

### Journal Subject Coverage

In 2017, MSK authors published in 940 different journal titles covering topics such as:

- Cancer Genetics & Genomics
- Cancer Immunotherapy & Vaccines
- Cancer Metabolism
- Cell Signaling & Regulation
- Cell-Based Therapy
- Chemical Biology
- Computational Oncology
- Developmental Biology
- Epidemiology, Statistics & Health Outcomes
- Epigenetics
- Genome Integrity
- Hematologic Malignancies
- Imaging
- Immunology
- Metastasis & Drug Resistance
- Microbiome & Inflammation
- Molecular Pathology & Diagnostics
- Nanotechnology
- Neuroscience & Neuro-Oncology
- Nursing
- Solid Tumor Oncogenesis
- Stem Cells
- Structural Biology
- Systems Biology
- Targeted Therapy
- Tumor Microenvironment
Publications

Meeting Abstracts

The following chart shows the top 10 journal titles (by number of 2017 Synapse works) that MSK authors published meeting abstracts in 2017.

<table>
<thead>
<tr>
<th>Journal Title</th>
<th>Number of Synapse works for the year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood</td>
<td>181</td>
</tr>
<tr>
<td>International Journal of Radiation Oncology, Biology, Physics</td>
<td>89</td>
</tr>
<tr>
<td>Annals of Oncology</td>
<td>82</td>
</tr>
<tr>
<td>Laboratory Investigation</td>
<td>75</td>
</tr>
<tr>
<td>Modern Pathology</td>
<td>74</td>
</tr>
<tr>
<td>Medical Physics</td>
<td>61</td>
</tr>
<tr>
<td>Journal of Thoracic Oncology</td>
<td>53</td>
</tr>
<tr>
<td>Cancer Research</td>
<td>47</td>
</tr>
<tr>
<td>Neuro-Oncology</td>
<td>43</td>
</tr>
<tr>
<td>Oncology Nursing Forum</td>
<td>39</td>
</tr>
</tbody>
</table>

Top Five Meetings

In 2017, these meetings generated the most abstracts:

1. 59th Annual Meeting of the American Society of Hematology
2. 59th Annual Meeting of the American Society for Radiation Oncology (ASTRO)
3. ESMO 2017 (European Society for Medical Oncology)
4. 106th Annual Meeting of the United States and Canadian Academy of Pathology (USCAP)
5. 59th Annual Meeting and Exhibition of the American Association of Physicists in Medicine (AAPM)
Publications

Top Journals by Subject Category

The impact factor (IF) of an academic journal is a quality metric commonly used to measure the importance or prestige of a journal.

Revised annually by Journal Citation Reports (JCR), the impact factor calculation is largely based on the average number of times the journal’s articles have been cited by other publications over the previous two years, while correcting for inter-journal variability (for example, number of articles per issue and frequency of publication). When considered in relation to other journals within a specific subject category or field, the impact factor provides a means for comparing two or more journals and for ranking them by degree of impact relative to each other.

This illustration represents the number of 2017 Synapse works published in top journals within their respective JCR subject category.
Works

Highly-Cited Papers

The following represent the top 2017 highly-cited papers with an MSK affiliation according to Scopus on 9/28/2018.

<table>
<thead>
<tr>
<th>MSK-affiliated Article</th>
<th>Citation Count</th>
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<tbody>
<tr>
<td>Mismatch Repair Deficiency Predicts Response of Solid Tumors to PD-1 Blockade.</td>
<td>369</td>
</tr>
<tr>
<td>Science. 357 (6349): 409-413</td>
<td></td>
</tr>
<tr>
<td>Pembrolizumab as Second-Line Therapy for Advanced Urothelial Carcinoma.</td>
<td>308</td>
</tr>
<tr>
<td>Atezolizumab as First-Line Treatment in Cisplatin-Ineligible Patients with Locally Advanced and Metastatic Urothelial Carcinoma: A Single-Arm, Multicentre, Phase 2 Trial.</td>
<td>247</td>
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<tr>
<td>The Lancet. 389(10064): 67-76</td>
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<tr>
<td>Overall Survival with Combined Nivolumab and Ipilimumab in Advanced Melanoma.</td>
<td>218</td>
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<tr>
<td>Nivolumab Plus Ipilimumab as First-Line Treatment for Advanced Non-Small-Cell Lung Cancer (CheckMate 012): Results of an Open-Label, Phase 1, Multicohort Study.</td>
<td>202</td>
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<tr>
<td>The Lancet Oncology. 18(1): 31-41</td>
<td></td>
</tr>
<tr>
<td>Integrated Genomic Characterization of Oesophageal Carcinoma.</td>
<td>161</td>
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<tr>
<td>Nature. 541(7636): 169-174</td>
<td></td>
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<tr>
<td>Mutational Landscape of Metastatic Cancer Revealed from Prospective Clinical Sequencing of 10,000 Patients.</td>
<td>157</td>
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<td>Nature Medicine. 23(6): 703-713</td>
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<tr>
<td>Rucaparib in Relapsed, Platinum-Sensitive High-Grade Ovarian Carcinoma (ARIEL2 Part 1): An International, Multicentre, Open-Label, Phase 2 Trial.</td>
<td>155</td>
</tr>
<tr>
<td>The Lancet Oncology. 18(1): 75-87</td>
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<tr>
<td>Targeting a CAR to the TRAC Locus with CRISPR/Cas Enhances Tumour Rejection.</td>
<td>143</td>
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<tr>
<td>Nature. 543(7643): 113-117</td>
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<tr>
<td>Olaparib for Metastatic Breast Cancer in Patients with a Germline BRCA Mutation.</td>
<td>141</td>
</tr>
</tbody>
</table>
Works

Top-Scoring Papers via Altmetric

The Altmetric Attention Score is derived from an automated algorithm and represents a weighted count of the amount of attention a research output receives on the Internet. It gives a guide to the overall attention at that moment in time. The colors of the donut also have significance. Each color represents the source in which mentions of the paper were found (e.g. red for news outlets, blue for Twitter, yellow for blogs, etc.)

1. **Research and Development Spending to Bring a Single Cancer Drug to Market and Revenues After Approval**  
   *JAMA Internal Medicine*  
   Sham Mailankody

2. **Commensal Bacteria Make GPCR Ligands that Mimic Human Signalling Molecules**  
   *Nature*  
   Amanda J. Pickard, Justin Robert Cross

3. **Rare and Low-Frequency Coding Variants Alter Human Adult Height**  
   *Nature*  
   Mengmeng Du

4. **Genetic Testing and Counseling Among Patients With Newly Diagnosed Breast Cancer**  
   *JAMA: Journal of the American Medical Association*  
   Monica Morrow

5. **Overall Survival Results of a Trial Assessing Patient-Reported Outcomes for Symptom Monitoring During Routine Cancer Treatment**  
   *JAMA: Journal of the American Medical Association*  
   Howard Scher, Mark Kris

6. **Impact of Chronic Disease on Emotional Distress in Adult Survivors of Childhood Cancer: A Report from the Childhood Cancer Survivor Study**  
   *Cancer*  
   Kevin Oeffinger

7. **Effect of a Scalp Cooling Device on Alopecia in Women Undergoing Chemotherapy for Breast Cancer**  
   *JAMA: Journal of the American Medical Association*  
   Mario E. Lacouture

8. **Association Between Time to Colonoscopy After a Positive Fecal Test Result and Risk of Colorectal Cancer and Cancer Stage at Diagnosis**  
   *JAMA: Journal of the American Medical Association*  
   Ann G. Zauber

9. **Financial Ties of Principal Investigators and Randomized Controlled Trial Outcomes: Cross Sectional Study**  
   *British Medical Journal*  
   Deborah Korenstein

10. **Molecular Analysis of High-Grade Serous Ovarian Carcinoma with and without Associated Serous Tubal Intra-Epithelial Carcinoma**  
    *Nature Communications*  
    Jennifer A. Ducie, Fanny Dao, Narciso Olvera, Robert Soslow, Douglas A Levine

*Altmetric attention scores occur in real time and can fluctuate based on new mentions or new sources added to the calculation. The scores shown are current as of 9/27/2018.
Research Collaborations

The Synapse team analyzed the author affiliation data from 2,013 research articles authored by MSK researchers in 2017. For each paper, we recorded the number of authors and each unique geographic location listed. The results show the international scope of MSK research collaborations through journals, which span 986 cities and 67 countries worldwide. The illustrations below represent three key outcomes: (1) the percentage of papers that include international affiliations; (2) the number of papers that showcase collaborative work done outside the Center; and (3) the frequency of authors per paper.

Research Papers (2,013)

- International: 856 (43%)
- US-only: 1,157 (57%)

Research Collaborations

- External: 1,712 (85%)
- Internal: 301 (15%)

- 6% of MSK research articles were single-authored papers

Authors per Paper

- Median: 9
- Mode: 8
- Average: 13.02
Works

Research Collaborations: International

Top 15 Countries

Country | Authors' Affiliations*
--- | ---
Canada | 294
United Kingdom | 286
Germany | 279
France | 253
Italy | 196
Australia | 179
Spain | 153
China | 149
Netherlands | 132
Japan | 121
Switzerland | 119
Sweden | 71
Belgium | 60
Israel | 59
Denmark | 57

Top 15 Cities

City | Authors' Affiliations*
--- | ---
Toronto, CA | 95
London, GB | 87
Paris, FR | 58
Barcelona, ES | 58
Milan, IT | 51
Amsterdam, NL | 49
Villejuif, FR | 45
Montréal, CA | 45
Seoul, KR | 40
Vancouver, CA | 39
Madrid, ES | 39
Heidelberg, DE | 35
Zürich, CH | 34
Beijing, CN | 34
Cambridge, GB | 32

*If an affiliation appeared more than once on the paper, it was only recorded one time in final analysis.
Works

Research Collaborations: United States

Top 15 States

<table>
<thead>
<tr>
<th>State</th>
<th>Affiliations*</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York</td>
<td>912</td>
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<tr>
<td>California</td>
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<tr>
<td>Massachusetts</td>
<td>451</td>
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<tr>
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<td>North Carolina</td>
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<td>New Jersey</td>
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<td>Michigan</td>
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<td>Tennessee</td>
<td>126</td>
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</tbody>
</table>

Top 15 Cities

<table>
<thead>
<tr>
<th>City</th>
<th>Affiliations*</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York (Manhattan), NY</td>
<td>686</td>
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<tr>
<td>Boston, MA</td>
<td>320</td>
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<tr>
<td>Houston, TX</td>
<td>199</td>
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<tr>
<td>Philadelphia, PA</td>
<td>162</td>
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<tr>
<td>Baltimore, MD</td>
<td>137</td>
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<td>San Francisco, CA</td>
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<td>Seattle, WA</td>
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<td>Los Angeles, CA</td>
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<td>Chicago, IL</td>
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<td>Durham, NC</td>
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<td>Ann Arbor, MI</td>
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<td>Bethesda, MD</td>
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<td>Rochester, MN</td>
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<td>Nashville, TN</td>
<td>83</td>
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<tr>
<td>Cambridge, MA</td>
<td>80</td>
</tr>
</tbody>
</table>

*If an affiliation appeared more than once on the paper, it was only recorded one time in final analysis.
Bibliography of Works

The following bibliography consists of 2017 works that were ingested into Synapse as of 9/28/2018. Based on the submission schedules of different publishers and commercial databases, there may be delays in 2017 content being added to Synapse.

The bibliography is divided into five sections:

Journal Articles
Works published in a serial publication

Conference Papers
Original articles published for or presented at a conference, symposium or other professional gathering.

Meeting Abstracts
Published abstracts of presentations held at a conference, symposium or other professional gathering, but not limited to:

• Poster presentations
• Oral presentations
• Panel discussions

Book Sections
Chapters or sections of a monograph or book. Occasionally, these will be represented in Synapse as journal articles (if they are part of a monographic series) or conference papers/meeting abstracts (if they are part of a proceedings booklet).

Whole Books
Whole monographs or entire books.
Journal Articles
(3,007)
Journal Articles


Journal Articles


Alassane-Kpembi I, Puel O, Pinton P, Cossalter AM, Chou TC, Oswald IP. Co-exposure to low doses of the food contaminants deoxynivalenol and nivalenol has a synergistic inflammatory effect on intestinal explants. Archives of Toxicology. 2017;91(7):2677-2687.


Journal Articles


Allen PJ. The diagnosis and management of cystic lesions of the pancreas. Chinese Clinical Oncology. 2017;6(6):60.-

Allen PJ. Current controversy of radiographic surveillance of patients with branch-duct IPMN and pancreatic cysts: Commentary on: Ductal carcinoma arising in a largely unchanged presumed branch duct IPMN after 10 years of surveillance. Annals of Surgery. 2017;266(6):e41-.


Anderson CB, Rapkin B, Reaves BC, Sun AJ, Morganstern B, Dalbagni G, Donat M, Herr HW, Laudone VP, Bochner BH. Idiographic quality of
Journal Articles


PMCID: PMC5644249


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