

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

[Make an Appointment](#)

[← Back](#)

[Patient & Caregiver Resources](#)

[Refer a Patient](#)

Molecular Microbiology

ABOUT US

[Our mission, vision & core values](#)

[Leadership](#)

[History](#)

[Equality, diversity & inclusion](#)

[Annual report](#)

[Give to MSK](#)



Ana Gradissimo
Director

Founded in 2009, the Molecular Microbiology Facility (MMF), currently supported by the van den Brink Laboratory, is a comprehensive resource for microbiome research at Memorial Sloan Kettering Cancer Center (MSKCC), providing researchers with a cost-effective, high-throughput processing of biological microbiome samples.

The MMF manages a [Fecal Biobank](#) and stores and catalogues thousands of human stool samples from patients at MSKCC collected under protocols and clinical trials. The laboratory specializes in methodologies optimized to investigate the microbial composition of human or experimental mouse samples.

We provide services ranging from nucleic acid extraction to bacterial/fungal amplicon sequencing or metagenomics using Illumina platforms in collaboration with the [Integrated Genomics Operation \(IGO\)](#). The MMF supports investigators pursuing basic and clinical research interests in analyzing the microbiota of the small and large intestines, feces, saliva and oral mucosal surfaces, urogenital tract, and skin.

Investigators wishing to utilize our shared facility to bank research specimens or process samples should submit all requests through [iLab](#) or submit inquiries via email to Ana Gradissimo at gradisa@mskcc.org. External investigators can also use our iLab account for request submission.

[View More](#) →

Services

[Services](#)

Publications

Abate M, Vos E, Gonen M, Janjigian Y, Schattner M, Laszkowska M, Tang L, Maron S, Coit D, Vardhana S, Vanderbilt C, Strong V. A Novel Microbiome Signature in Gastric Cancer. *Ann Surg* 2022 Oct; 276(4):605-615. doi:

[10.1097/SLA.0000000000005587](https://doi.org/10.1097/SLA.0000000000005587)

Smith M, Dai A, Ghilardi G, Amelsberg KV, Devlin SM, Pajarillo R, Slingerland JB, Beghi S, Herrera PS, Giardina P, Clurman A, Dwomoh E, Armijo G, Gomes ALC, Littmann ER, Schluter J, Fontana E, Taur Y, Park JH, Palomba ML, Halton E, Ruiz J, Jain T, Pennisi M, Afuye AO, Perales MA, Freyer CW, Garfall A, Gier S, Nasta S, Landsburg D, Gerson J, Svoboda J, Cross J, Chong EA, Giralt SA, Gill SI, Riviere I, Porter DL, Schuster SJ, Sadelain M, Frey N, Brentjens RJ, June CH, Pamer EG, Peled JU, Facciabene A, van den Brink MRM, Ruella M. Gut Microbiome Correlates of Response and Toxicity Following Anti-CD19 CAR T Cell Therapy. *Nat Med* 2022 Oct; 28:713-723. doi: [10.1038/s41591-022-01702-9](https://doi.org/10.1038/s41591-022-01702-9)

Zegarra-Ruiz DF, Kim DV, Norwood K, Kim M, Wu WJH, Saldana-Morales FB, Hill AA, Majumdar S, Orozco S, Bell R, Round JL, Longman RS, Egawa T, Bettini ML, Diehl GE. Thymic Development of Gut-Microbiota-specific T Cells. *Nature* 2021 May; 594:413-417. doi: [10.1038/s41586-021-03531-1](https://doi.org/10.1038/s41586-021-03531-1)

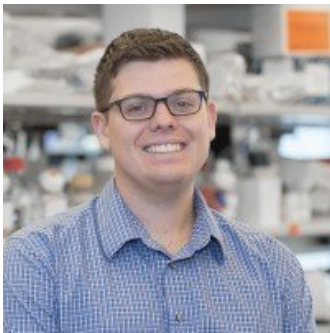
[View All Publications](#)

People

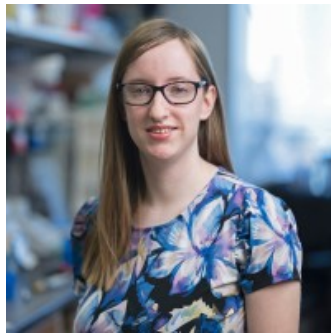


Ana
Gradissimo
Director

Members



Luigi Amoretti
Sr. Research Technician



Jennifer Haber
Senior Research
Technician

Ariel Molina
Senior Research
Technician

Alumni
+

Get in Touch

✉ Gradisa@mskcc.org
Director Email

✉ zzPDL_SKI_MMF@mskcc.org
Director Email

☎ [212-639-8727](tel:212-639-8727)
Core Facility Phone

Resources
+

▼ Connect

[Contact us](#)

[Locations](#)

APPOINTMENTS

[800-525-2225](#)



▼ About MSK

[About us](#)

[Careers](#) 

[Giving](#) 

▼ Cancer Care

[Adult cancer types](#)

[Child & teen cancer types](#)

[Integrative medicine](#)

[Nutrition & cancer](#)

[Find a doctor](#)

▼ Research & Education

[Sloan Kettering Institute](#)

[Gerstner Sloan Kettering Graduate School](#) 

[Graduate medical education](#)

[MSK Library](#) 

[Communication preferences](#)

[Cookie preferences](#)

[Legal disclaimer](#)

[Accessibility statement](#)

[Privacy policy](#)

[Price transparency](#)

[Public notices](#)

© 2024 Memorial Sloan Kettering Cancer Center

