

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](#)

CELL BIOLOGY PROGRAM

[Research](#)

The Philipp Niethammer Lab

[Education & Training](#)

Cell Biology Program
[News & Events](#)

Research
[Open Positions](#)



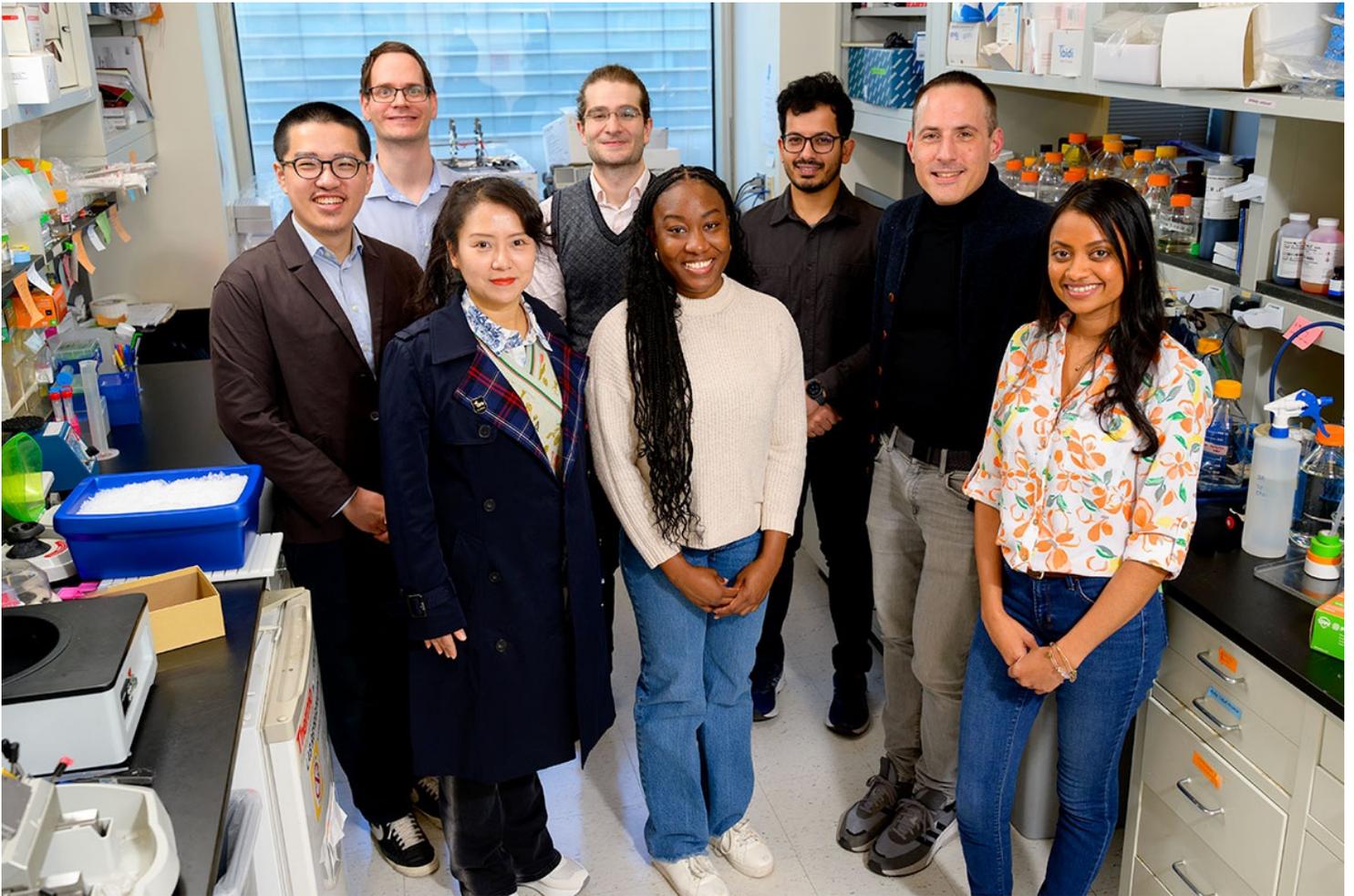
Philipp Niethammer, PhD

Interdisciplinary approaches to wound healing, inflammation and regeneration.

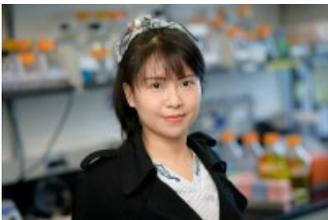
[View Lab Overview](#) →

Research Projects

[Projects](#)



Featured News



[Go Fish: Why MSK Researchers Use Zebrafish To Study a Cancer-Linked Inflammation Pathway](#)

A study led by postdoctoral researcher Yanan Ma from the lab of cell biologist Philipp Niethammer shows why diversity also matters in model animal research.

FINDING



[Don't Scratch That Mole? Scientists Are Learning More about Inflammation and Cancer](#)

It's not only what's inside your cells that determines your cancer risk. It's what surrounds them too.

Publications Highlights

[Ma Y, Hui KL, Gelashvili Z, Niethammer P. Oxoeicosanoid signaling mediates early antimicrobial defense in zebrafish. Cell Rep. 2023 Jan 31;42\(1\):111974. PMID: 36640321. PMC36640321](#)

[Shen Z, Lengyel M, Niethammer P. The yellow brick road to nuclear membrane mechanotransduction. APL Bioeng. 2022 Mar 25;6\(2\):021501. PMID: 35382443. PMC35382443](#)

[Shen Z, Belcheva KT, Jelcic M, Hui KL, Katikaneni A, Niethammer P. A synergy between mechanosensitive calcium- and membrane-binding mediates tension-sensing by G2-like domains. Proc Natl Acad Sci U S A. 2022 Jan 4;119\(1\):e2112390119. PMID: 34969839. PMC34969839](#)

[Niethammer P. Components and Mechanisms of Nuclear Mechanotransduction. Annu Rev Cell Dev Biol. 2021 Oct 6;37:233-256. PMID: 34213953. PMC34213953](#)

[Katikaneni A, Jelcic M, Gerlach GF, Ma Y, Overholtzer M, Niethammer P. Author Correction: Lipid peroxidation regulates long-range wound detection through 5-lipoxygenase in zebrafish. Nat Cell Biol. 2021 May;23\(5\):566. PMID: 33850303. PMC33850303](#)

[View All Publications](#)

People



Philipp Niethammer, PhD

Cell biologist Philipp Niethammer investigates tissue damage responses with advanced imaging approaches in zebrafish. PhD, European Molecular Biology Laboratories & Hamburg University, Germany

niethamp@mskcc.org

Email Address

[212-639-5332](tel:212-639-5332)

Office Phone

Members



Tiseanie Hibbert
Research Technician



Miklos Lengyel
Research Scholar



Sriivatsan Govinda
Rajan
Research Fellow



Hansranie Singh
Administrative Assistant

Lab Alumni
+

Lab Affiliations
+

Achievements

- Dorsett L. Spurgeon Distinguished Research Award (2009)
- Louis Gerstner Young Investigator (2012)
- American Asthma Foundation Scholar (2014)
- Louise and Allston Boyer Young Investigator Award (2018)

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](#) →

Get in Touch

✉ niethamp@mskcc.org
Lab Head Email

☎ [212-639-5332](tel:212-639-5332)
Office Phone

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.

Philipp Niethammer discloses the following relationships and financial interests:

American Association for Anatomy

Professional Services and Activities (Uncompensated)

American Society for Biochemistry and Molecular Biology

Professional Services and Activities (Uncompensated)

American Society for Cell Biology (ASCB)

Professional Services and Activities (Uncompensated)

European Molecular Biology Organization

Professional Services and Activities (Uncompensated)

National University of Singapore

Professional Services and Activities (Uncompensated)

University of Virginia

Professional Services and Activities

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](#) →

▾ About Us

[Overview](#)

[Leadership](#)

[Administration](#)

[History](#)

[Contact Us](#)



▾ Research

[Overview](#)

[Research programs](#)

[Research labs](#)

[Core facilities & resources](#)

▾ Education & Training

[Overview](#)

[Postdoctoral training](#)

[Gerstner Sloan Kettering Graduate School](#)

[Joint graduate programs](#)

[Programs for college & high school students](#)

▾ News & Events

[Overview](#)

[Seminars & events](#)

▾ Open Positions

[Overview](#)

[Faculty positions](#)

[Postdoctoral positions](#)

[Communication preferences](#)

[Cookie preferences](#)

[Legal disclaimer](#)

[Accessibility Statement](#)

[Privacy policy](#)

[Public notices](#)

© 2024 Memorial Sloan Kettering Cancer Center