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[Cell Biology Program](#)
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Research
[Open Positions](#)



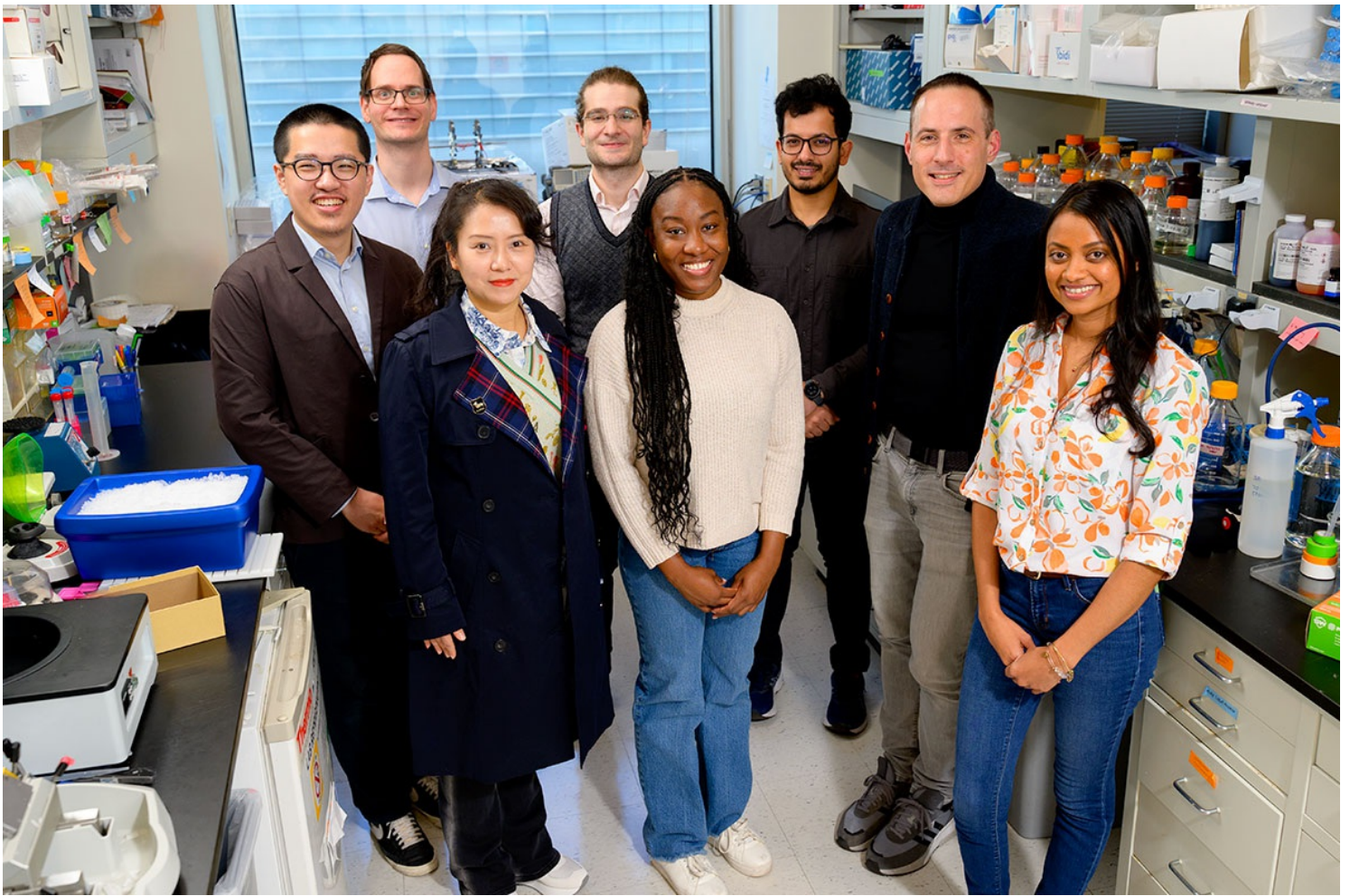
Philipp Niethammer, PhD

Interdisciplinary approaches to wound healing, inflammation and regeneration.

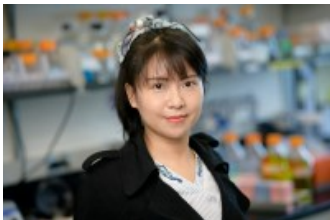
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Featured News



[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 C2-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](#)


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People




Philipp Niethammer, PhD

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Lab Alumni
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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)

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Disclosures

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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

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[Overview](#)

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[Research labs](#)

[Core facilities & resources](#)

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[Overview](#)

[Postdoctoral training](#)

[Gerstner Sloan Kettering Graduate School](#)

[Joint graduate programs](#)

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

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[Overview](#)

[Seminars & events](#)

▾ Open Positions

[Overview](#)

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[Postdoctoral positions](#)

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