



Wisconsin Nathan Shock Center

UNIVERSITY OF WISCONSIN
SCHOOL OF MEDICINE AND PUBLIC HEALTH



<https://nathanshockcenter.wisc.edu/>

Rozalyn Anderson, Professor of Medicine, Director WiNSC

NIH/NIA Nathan Shock Centers

Centers of Excellence in the Basic Biology of Aging



NATHAN SHOCK CENTERS
OF EXCELLENCE IN THE
BASIC BIOLOGY OF AGING

<https://nathanshockcenters.org/the-centers>

NIH/NIA Nathan Shock Centers

Each NSC has distinct capabilities, each has a pilot program

Coordinated via AFAR (American Federation for Aging Research)

1. The Jackson Laboratory Nathan Shock Center (Bar Harbor, ME)
2. Oklahoma Nathan Shock Center (Oklahoma City, OK)
3. San Antonio Nathan Shock Center (San Antonio, TX)
4. The University of Alabama at Birmingham (UAB) Nathan Shock Center (Birmingham, AL)
5. University of Washington Nathan Shock Center (Seattle, WA)
6. Minnesota Nathan Shock Center (Minneapolis, MN)
7. Upstate New York Nathan Shock Center (Rochester, NY)
8. **Wisconsin Nathan Shock Center (WiNSC) (Madison, WI)**





Wisconsin Nathan Shock Center WiNSC

About the Nathan Shock Centers

The National Institute on Aging (NIA), part of the National Institutes of Health (NIH), funds eight Nathan Shock Centers of Excellence in the Basic Biology of Aging. These centers honor Dr. Nathan Shock, a pioneer in gerontology, and provide advanced resources to accelerate research into the fundamental mechanisms of aging. Established in 1995, the program fosters collaboration and innovation across a national network of leading institutions.



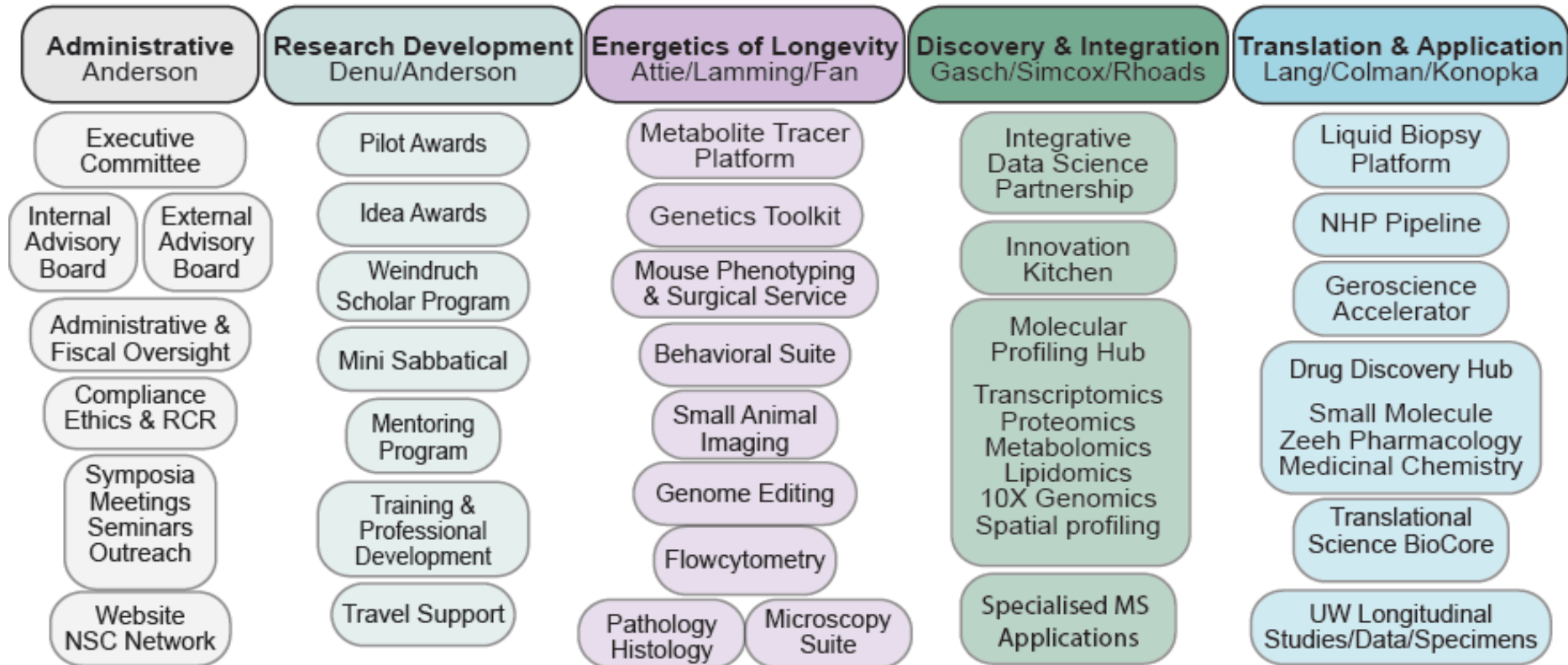
WiNSC Mission & Vision

- **Mission:** To advance research in the basic biology of aging with a specific emphasis on **metabolism and translation** by developing innovative research capabilities, leveraging outstanding resources at UW–Madison, fostering interdisciplinary collaboration, and supporting trainees and early career investigators in aging biology.
- **Vision:** To translate fundamental insights about aging and metabolic regulation into strategies that improve human health, fuel scientific innovation, and accelerate discovery, while bridging basic, translational, and clinical research communities and addressing key gaps in aging research.



Overall Schematic

Theme: Aging, Metabolism, and Translation

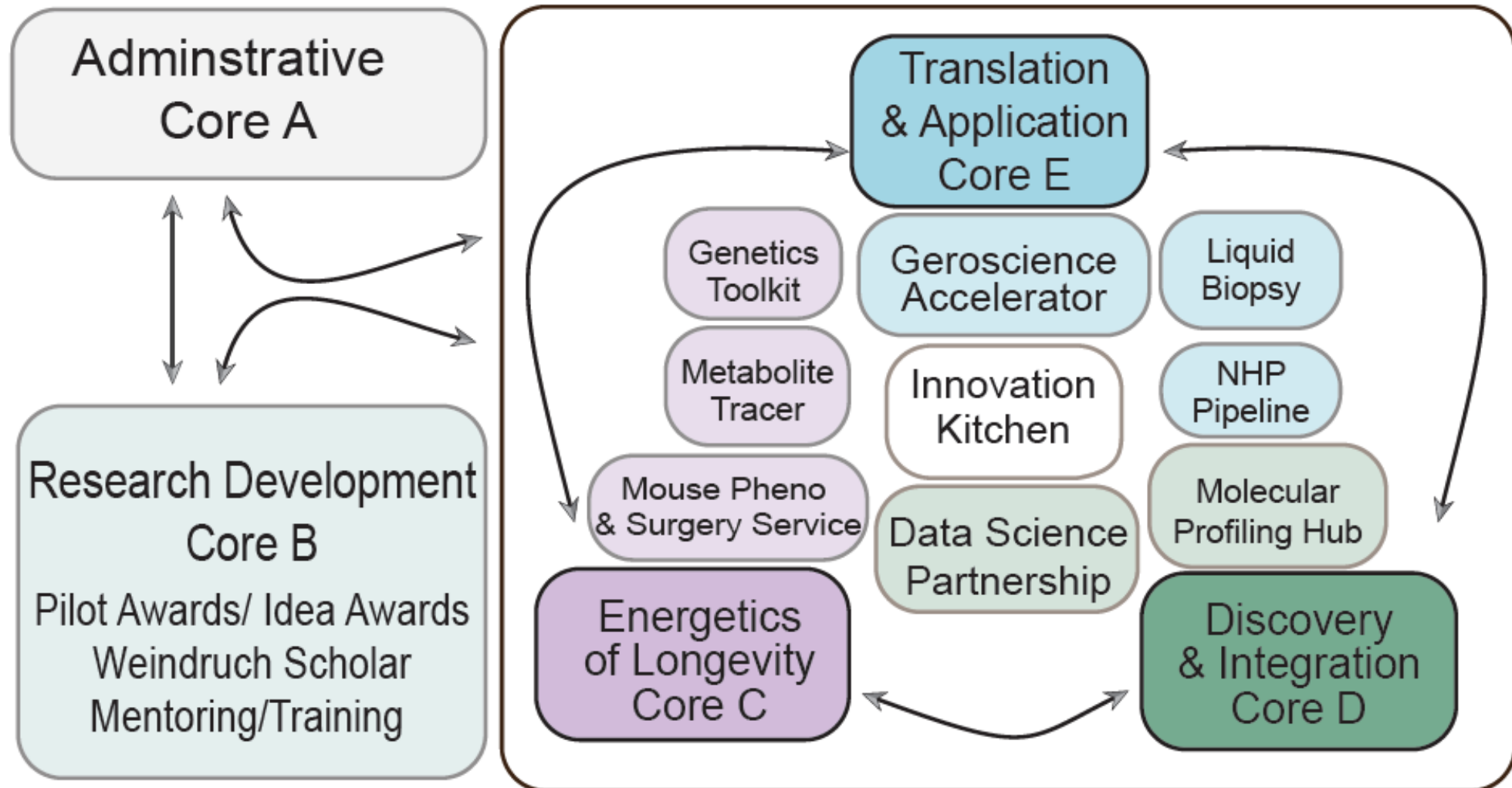


University of Wisconsin WiNSC Partners

ICTR UWCCC ADRC WNPRC Biotechnology Center WARF Therapeutics
 Wisconsin Institute for Discovery Center for Genomic Science Integration
 Data Science Institute Morgridge Institute Center for High Throughput Computing



Theme: Aging, Metabolism, and Translation



Research Development Core

John Denu, Rozalyn Anderson

Research Awards

Pilot Awards
Idea Awards
Weindruch Scholars
Mini-Sabbaticals

WiNSC Partners

ICTR UWCCC
ADRC WNPRC
Discovery Town Center

Mentoring

Stage-specific
Mentee-to-mentor
Mock Study Section

Career Development

Team Science
Writing/Grant/Workshop
Conference/Networking

WiNSC Associated Services & Programs

Department of Medicine School of Medicine and Public Health
Office of Vice Chancellor for Research



John Denu



Roz Anderson



Program Coordinator Alicia Weich

Contact us: winsc@medicine.wisc.edu

WiNSC Award Mechanisms

Core B Award Mechanisms:

- **Pilot Awards:** Service-only voucher awards supporting high-impact aging biology projects led by early-stage investigators or established faculty pivoting into aging research. Provides up to \$30,000 in services for 12-month projects.
- **Idea Awards:** Fast-turnaround, 6-month service-voucher awards (up to \$15,000) supporting rapid, targeted experiments needed for manuscripts, grant resubmissions, or feasibility data. Accepted on a rolling basis and reviewed monthly.
- **Mini-Sabbaticals:** Short-term (1–4 week) opportunities supporting technical skill-building and method transfer between labs. Open to applicants traveling to or from WiNSC.
- **Weindruch Scholar Program:** \$50,000 in service-only support for outstanding postdoctoral researchers with strong leadership potential in aging biology.
- **Aging Conference Travel Awards:** Up to \$1,000 to support trainee participation in national aging meetings such as the 2026 Midwest Aging Consortium (MAC) Research Symposium and the 2026 American Aging Association (AGE) Annual Meeting



Wisconsin Nathan Shock Center's



Mini-Sabbatical Program

You can:

- **Learn** new research techniques
- **Build** professional networks
- **Exchange** knowledge across labs and institutions



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more details



Designed to
connect
researchers
across
disciplines

The Wisconsin Nathan Shock Center of Excellence in the Basic Biology of Aging is supported by grant P30AG092586 from the National Institute on Aging.

SAVE THE DATE

Annual Symposium

Tuesday, May 11, 2027
Program begins at 9:00 AM

Discovery Building
H.F. DeLuca Forum & Atrium
330 N. Orchard St., Madison, W

In Person + Zoom Livestream



Wisconsin Nathan Shock Center
UNIVERSITY OF WISCONSIN
SCHOOL OF MEDICINE AND PUBLIC HEALTH

Exploring the Metabolism of Aging
Research Presentations • Poster
Session • Networking



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Photo by Jeff Miller/ UW-Madison

