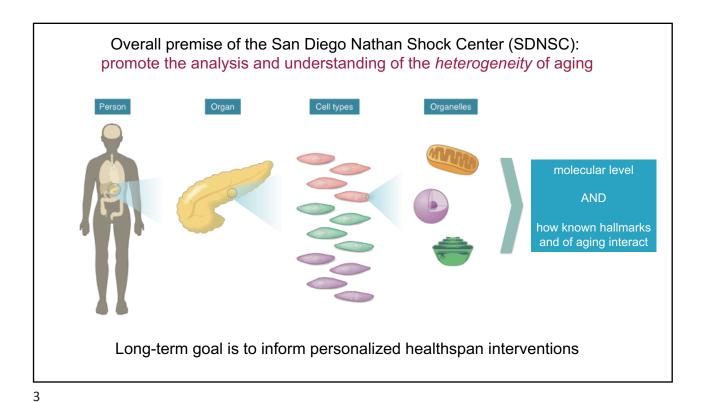
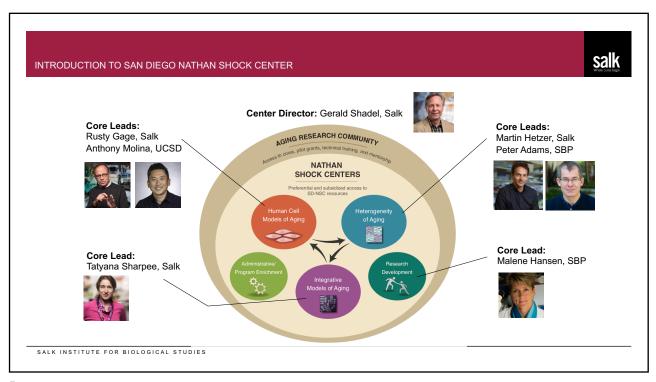
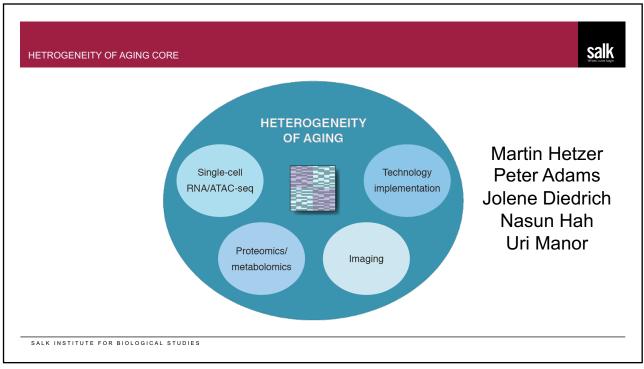


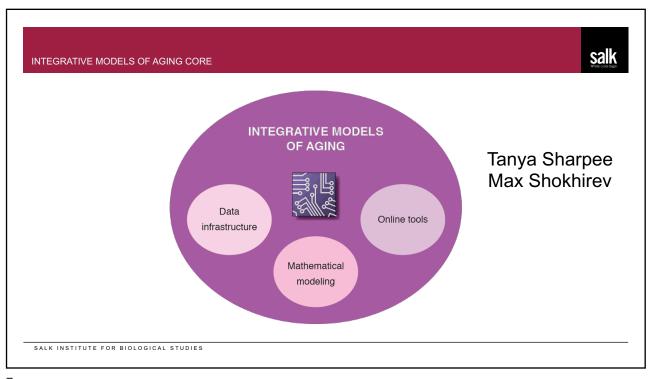
salk INTRODUCTION TO SAN DIEGO NATHAN SHOCK CENTER OF EXCELLENCE IN THE BASIC BIOLOGY OF AGING UC San Diego • The Division of Aging Biology of the National Institute on Aging School of Medicine funds 8 Nathan Shock Centers of Excellence in the Basic Biology of Aging across the U.S. SBP Sanford Burnham Prebys
MEDICAL DISCOVERY INSTITUTE SAN DIEGO, CALIFORNIA The Centers provide leadership in the pursuit of basic research DIRECTOR: Gerald Shadel, PhD into the biology of aging • Each Center has a overall theme and specialized research NATHAN SHOCK CENTERS resource cores that provide services for-fee to the community, along with a research development core Buck EINSTEIN UT Health UNIVERSITY of USC Leonard Davis THE UNIVERSITY OF ALABAMA AT BIRMINGHAM WASHINGTON The UNIVERSITY of OKLAHOMA DIRECTORS: Eric Verdin, MD, Gordor Lithgow, PhD, Pinchas Cohen, ME Sean Curran, PhD DIRECTOR: Nir Barzilai, MD DIRECTORS: Steven Austad, PhD, Thomas Buford, PhD DIRECTORS: Randy Strong, PhD, Peter Hornsby, PhD, Adam Salmon, PhD DIRECTORS: Peter S. Rabinovitch, MD, PhD, Matt Kaeberlein, PhD SALK INSTITUTE FOR BIOLOGICAL STUDIES

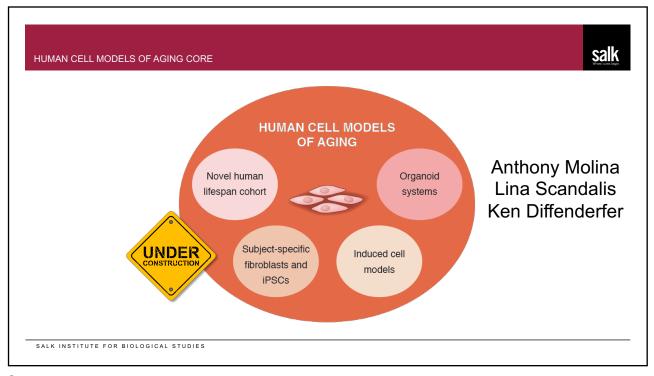


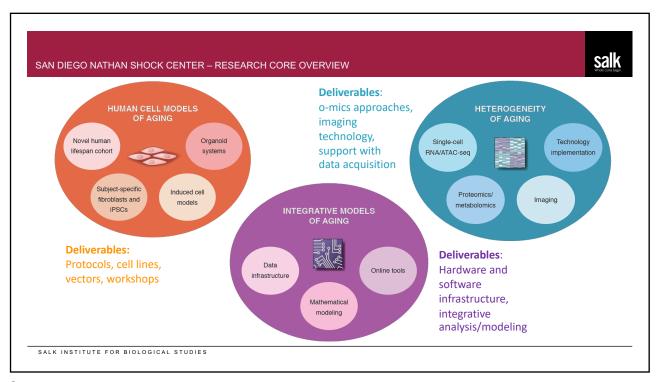
salk INTRODUCTION TO SAN DIEGO NATHAN SHOCK CENTER AGING RESEARCH COMMUNITY AIM 1. Create novel integrated scientific resources NATHAN to develop human cell models of aging and enable SHOCK CENTERS basic studies of molecular, cellular, and tissue heterogeneity. AIM 2. Increase basic biology of aging research through development, training, and mentoring activities of a Research Development Core. AIM 3. Extend the reach of the SD-NSC by providing leadership and outreach activities to advocate for basic biology of aging research in general, and studies into the heterogeneity of aging specifically. SALK INSTITUTE FOR BIOLOGICAL STUDIES

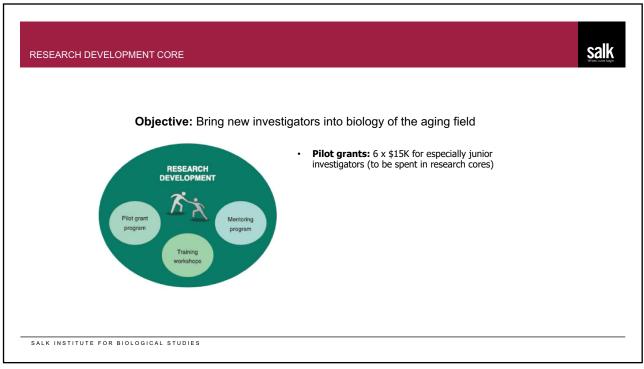












## CONGRATS TO THE 2021 SAN DIEGO NATHAN SHOCK CENTER PILOT GRANT AWARDEES!!

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Ana Chucair-Elliott

A novel mouse model for chromatin accessibility and transcriptomic studies of retina Müller glia in age-related macular degeneration / Oklahoma Medical Research Foundation



Maria Mihaylova

Characterizing Age-Dependent Changes in the Mammalian Colon The Ohio State University



Adam Konopka

The Metabolic-Epigenomic Network of Metformin and Exercise University of Wisconsin

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## CONGRATS TO THE 2021 SAN DIEGO NATHAN SHOCK CENTER PILOT GRANT AWARDEES!!

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Vanessa Delcroix

A single-cell atlas of the aging lacrimal gland to understand the mechanisms underlying age-associated dry eye disease The Scripps Research Institute



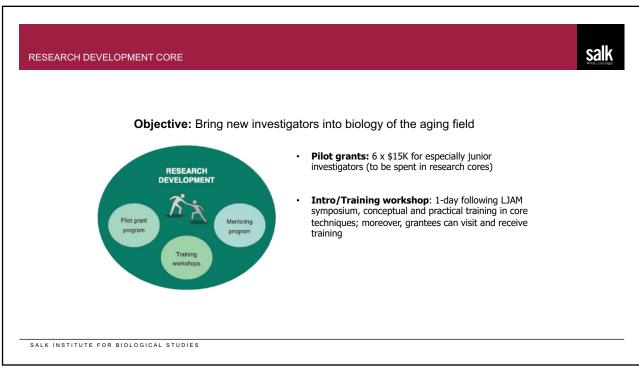
Lara Labarta-Bajo

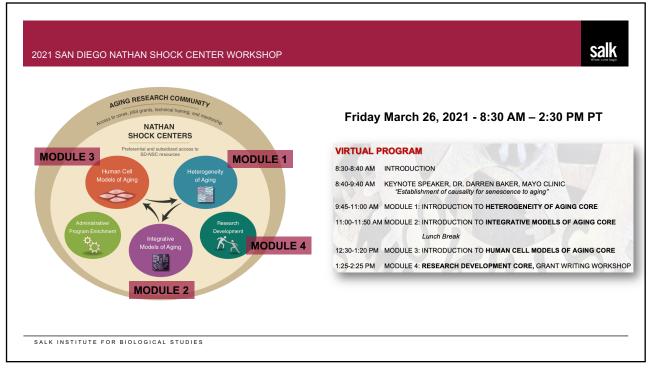
Astrocyte Plasticity in the Aging Brain / Salk Institute



Maria Clara Guida

Investigating the epigenetic drift of aging hearts using *Drosophila / Sanford Burnham Prebys MDI* 





## RESEARCH DEVELOPMENT CORE

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## Objective: Bring new investigators into biology of the aging field



- **Pilot grants:** 6 x \$15K for especially junior investigators (to be spent in research cores)
- Intro/Training workshop: 1-day following LJAM symposium, conceptual and practical training in core techniques; moreover, grantees can visit and receive training
- Mentoring program: Personalized mentor/mentee pairing, e.g., at NSC annual meeting; recipients of awards will be paired with mentor



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