

# Kejun “Albert” Ying, Ph.D.

290 Jane Stanford Way, Stanford, CA 94305

✉ keying@stanford.edu | kying0@uw.edu 📞 albert-ying 🌐 0000-0002-1791-6176 🌐 kejunying.com

*Studying aging at the intersection of biology and AI*

## Education & Professional Training

### Stanford University & University of Washington

*Postdoctoral Researcher, Tony Wyss-Coray’s Lab & David Baker’s Lab (co-mentorship)*

Stanford, CA & Seattle, WA

Jun 2025 – Present

- Co-advised by Dr. Wyss-Coray and Baker under NIH/NIA F99/Koo Fellowship
- Merging aging biology and protein design to tackle neurodegeneration
- Focused on the *de novo* design of disaggregase to act against protein aggregation in neurons
- Building advanced aging clock and the foundation model for proteomic data

### Harvard University

*Ph.D., Biological Science in Public Health*

Cambridge, MA

July 2019 – May 2025

- Dissertation: “On the Quantification of Aging”
- Advisor: Dr. Vadim Gladyshev, Harvard Medical School, Brigham and Women’s Hospital
- Dissertation Advisory Committee: Dr. Brendan Manning, Dr. David Sinclair, Dr. Shamil Sunyaev
- Focused on understanding the mechanism of aging through multi-omic modeling & causal inference
- Built the **first causality-enriched aging clock / current largest biological age database and agentic system (ClockBase Agent, 2M+ samples, 40K analysis) / first foundation model for the DNA methylome (MethylGPT)**

### Harvard University

*M.S., Computational Science Engineering*

Cambridge, MA

July 2023 – May 2024

- Secondary field during Ph.D. study

### University of California, Berkeley

*Visiting Student, Integrative Biology*

Berkeley, CA

Aug 2017 – Dec 2017

### Sun Yat-Sen University

*B.S., Life Science*

Guangzhou, China

Sep 2015 – Jun 2019

- Thesis: Screening for the Interactome of hTERC based on Molecular Fluorescence Complementation System in Living Cells
- Yat-Sen Honor School Program (Top 0.5%)
- National college admissions exam (Top 0.6%)

## Research Experience

### Stanford University & University of Washington

**Protein Design for Aging** Postdoctoral Researcher, Wyss-Coray’s Lab & Baker’s Lab

Stanford, CA & Seattle, WA

Jun 2025 – Present

Visiting Scholar, Wyss-Coray’s Lab & Baker’s Lab

Nov 2024 – May 2025

### Avinasi Labs

**Decentralized longevity data collection** Co-founder

San Francisco, CA

Jan 2025 – Present

### Harvard Medical School, Brigham and Women’s Hospital

**Biological Aging** Graduate Researcher, Vadim Gladyshev’s Lab

Boston, MA

Mar 2020 – May 2025

<b>Harvard Medical School, Boston Children's Hospital</b>	Boston, MA
<b>RNA Modifications</b> Graduate Researcher (Rotation), Eric Greer's Lab	Jan 2020 – Mar 2020
<b>Harvard Medical School</b>	Boston, MA
<b>Cell Reprogramming</b> Graduate Researcher (Rotation), David Sinclair's Lab	Oct 2019 – Dec 2019
<b>Harvard T. H. Chan School of Public Health</b>	Boston, MA
<b>mTORC1</b> Graduate Researcher (Rotation), Brendan Manning's Lab	July 2019 – Oct 2019
<b>Undergraduate Research</b>	2015 – 2019
• <b>Sun Yat-Sen University</b> , Telomere & Telomerase	Zhou Songyang's Lab
• <b>University of Edinburgh</b> , Population genetics	Xia Shen's Lab
• <b>University of Washington</b> , Acarbose & Rapamycin	Matt Kaeberlein's Lab
• <b>Buck Institute for Research on Aging</b> , Senolytics	Judith Campisi's Lab
• <b>University of California, Berkeley</b> , SIRT7	Danica Chen's Lab
• <b>Sun Yat-Sen University</b> , Telomere & DNA Methylation	Yikang Rong's Lab

## Grants

---

**Koo Post-doctoral Transition Award** NIH/NIA *Using causal aging biomarkers and protein design to develop novel anti-aging interventions,* 2025 – 2028

**F99 Transition to Aging Research for Predoctoral Students** NIH/NIA *Using causal aging biomarkers and protein design to develop novel anti-aging interventions,* 2024 – 2025

- Award Document Number: FAGo88431A (PI)
- Received a perfect Impact Score of 10

## Publications

---

<sup>†</sup> Corresponding author; <sup>\*</sup> Co-first author; <sup>+</sup> Contributed as consortium author

### SELECTED PUBLICATIONS & PREPRINTS

**Ying, K.**, Paulson, S., Eames, A., Tyshkovskiy, A., ..., Gladyshev, V. N. (2025). *A Unified Framework for Systematic Curation and Evaluation of Aging Biomarkers*. **Nature Aging**. <https://www.nature.com/articles/s43587-025-00987-y>

Moqri, M. <sup>\*</sup>, **Ying, K.** <sup>\*</sup>, Poganik, J. <sup>\*</sup>, Herzog, C. <sup>\*</sup>, Chen, Q., Emamifar, M., ..., Gladyshev, V. N. (2025). Integrative epigenetics and transcriptomics identify aging genes in human blood. **Nature Communications (in press)**. <https://doi.org/10.1101/2024.05.30.596713>

Wu, X. <sup>\*</sup>, Liu, H. <sup>\*</sup>, **Ying, K.** <sup>\*†</sup> (2025). Biological Age, Aging Clocks, and the Interplay with Lymphoid Neoplasms: Mechanisms and Clinical Frontiers. **Lymphatics**, 3(3), 19. <https://doi.org/10.3390/lymphatics3030019>

**Ying, K.** <sup>†</sup> (2024). Causal inference for epigenetic ageing. **Nature Reviews Genetics**, 1–1. <https://doi.org/10.1038/s41576-024-00799-7>

**Ying, K.**, Castro, J. P., Shindyapina, A. V., ..., Gladyshev, V. N. (2024). Depletion of loss-of-function germline mutations in centenarians reveals longevity genes. **Nature Communications**, 15(1), 5956. <https://doi.org/10.1038/s41467-024-50098-2>

**Ying, K.**, Liu, H., Tarkhov, A. E., ..., Gladyshev, V. N. (2024). Causality-enriched epigenetic age uncouples damage and adaptation. **Nature Aging (February Cover)**, 1–16. <https://doi.org/10.1038/s43587-023-00557-0>

**Ying, K.**, Zhai, R., Pyrkov, T. V., ..., Gladyshev, V. N. (2021). Genetic and phenotypic analysis of the causal relationship between aging and COVID-19. **Communications Medicine**, 1(1), 35. <https://doi.org/10.1038/s43856-021-00033-z>

**Ying, K.**,<sup>\*†</sup> Tyshkovskiy, A., Moldakozhayev, A., ..., Gladyshev, V. N. (2025). Autonomous AI Agents Discover Aging Interventions from Millions of Molecular Profiles. **bioRxiv (Updated Version, Nature submitted)**. <https://doi.org/10.1101/2023.02.28.530532>

**Ying, K.**,<sup>†</sup> Song, J., Cui, H., ..., Gladyshev, V. N.<sup>†</sup>. (2024). MethylGPT: a foundation model for the DNA methylome. **bioRxiv (Nature Machine Intelligence submitted)**. <https://doi.org/10.1101/2024.10.30.621013>

**Ying, K.**, Paulson, S., Reinhard, J., ..., Gladyshev, V. N. (2024). An Open Competition for Biomarkers of Aging. **bioRxiv**. <https://doi.org/10.1101/2024.10.29.620782>

**Ying, K.**, Tyshkovskiy, A., Chen, Q., ..., Gladyshev, V. N. (2024). High-dimensional Ageome Representations of Biological Aging across Functional Modules. **bioRxiv (Nature Aging 2nd Revision)**. <https://doi.org/10.1101/2024.09.21.570935>

**Ying, K.**, Tyshkovskiy, A., Trapp, A., ..., Gladyshev, V. N. (2023). ClockBase: A comprehensive platform for biological age profiling in human and mouse. **bioRxiv**. <https://doi.org/10.1101/2023.02.28.530532>

#### OTHER PUBLICATIONS

Zhang, O., Lin, H., Zhang, X., Wang, X., Wu, Z., Ye, Q., Zhao, W., Wang, J., **Ying, K.**, Kang, Y., Hsieh, C.-Y., Hou, T. (2025). Graph neural networks in modern AI-aided drug discovery. **Chemical Reviews**, 125, 10001–10103. <https://doi.org/10.1021/acs.chemrev.5b00254>

Zhang, O., ..., **Ying, K.**, Huang, Y., Zhao, H., Kang, Y., Pan, P., Wang, J., Guo, D., Zheng, S., Hsieh, C.-Y., & Hou, T. (2025). ECloudGen: leveraging electron clouds as a latent variable to scale up structure-based molecular design. **Nature Computational Science**. <https://doi.org/10.1038/s43588-025-00886-7>

Farinas, A., Rutledge, J., Bot, V. A., Western, D., **Ying, K.**, Lawrence, K. A., Oh, H. S. H., ..., Wyss-Coray, T. (2025). Disruption of the cerebrospinal fluid–plasma protein balance in cognitive impairment and aging. **Nature Medicine**, 1–12. <https://doi.org/10.1038/s41591-025-03831-3>

Rothi, M.H., Sarkar, G.C., Haddad, J.A., Mitchell, W., **Ying, K.**, et al. (2025). The 18S rRNA methyltransferase DIMT-1 regulates lifespan in the germline later in life. **Nature Communications**, 16, 6944. <https://doi.org/10.1038/s41467-025-62323-7>

Grzeczka, A., Iqbal, S., **Ying, K.**, Kordowitzki, P. (2025). Circular RNAs as regulators and biomarkers of mammalian ovarian ageing. **GeroScience**, 1–19. <https://doi.org/10.1007/s11357-025-01798-0>

Jacques, E., Herzog, C., **Ying, K.**, ... Gladyshev, V. N. (2025). Invigorating discovery and clinical translation of aging biomarkers. **Nature Aging**, 1–5.

Goeminne, L. J. E., Vladimirova, A., Eames, A., Tyshkovskiy, A., Argentieri, M. A., **Ying, K.**, Moqri, M., & Gladyshev, V. N. (2025). Plasma protein-based organ-specific aging and mortality models unveil diseases as accelerated aging of organismal systems. **Cell Metabolism**, <https://doi.org/10.1016/j.cmet.2024.03.007>

Gladyshev, V. N., Anderson, B., Barlit, H., ..., **Ying, K.**, Yunes, J., Zhang, B., & Zhavoronkov, A. (2024). Disagreement on foundational principles of biological aging. **PNAS Nexus**, 3(12), pgae499. <https://doi.org/10.1093/pnasnexus/pgae499>

Lyu, Y.X.\* , Fu, Q.\* , Wilczok, D.\* , **Ying, K.\*** , King, A., ..., Bakula, D. (2024). Longevity biotechnology: Bridging AI, biomarkers, geroscience and clinical applications for healthy longevity. **Aging**, 16(1), 1–25. <https://doi.org/10.18632/aging.205397>

**Biomarkers of Aging Consortium<sup>+</sup>**, Herzog, C. M. S., Goeminne, L. J. E., Poganik, J. R., ..., Gladyshev, V. N. (2024). Challenges and recommendations for the translation of biomarkers of aging. **Nature Aging**, 1–12. <https://doi.org/10.1038/s43587-024-00683-3>

Castro, J. P., Shindyapina, A. V., Barbieri, A., **Ying, K.**, ..., Gladyshev, V. N. (2024). Age-associated clonal B cells drive B cell lymphoma in mice. **Nature Aging**, 4(8), 1–15. <https://doi.org/10.1038/s43587-024-00671-7>

Moqri, M., ..., de Sena Brandine, G., **Ying, K.**, Tarkhov, A., ..., Sebastiano, V. (2024). PRC2-AgeIndex as a universal biomarker of aging and rejuvenation. **Nature Communications**, 15(1), 5956. <https://doi.org/10.1038/s41467-024-50098-2>

Tarkhov, A. E., Lindstrom-Vautrin, T., Zhang, S., **Ying, K.**, Moqri, M., ..., Gladyshev, V. N. (2024). Nature of epigenetic aging from a single-cell perspective. **Nature Aging**, 1–17. <https://doi.org/10.1038/s43587-023-00555-2>

Moqri, M., Herzog, C., Poganik, J. R., **Ying, K.**, ... Ferrucci, L. (2024). Validation of biomarkers of aging. **Nature Medicine**, 1–13. <https://doi.org/10.1038/s41591-023-02784-9>

Griffin, P. T., ..., Kerepesi, C., **Ying, K.**, ..., Sinclair, D. A. (2024). TIME-seq reduces time and cost of DNA methylation measurement for epigenetic clock construction. **Nature Aging**, 1–14. <https://doi.org/10.1038/s43587-023-00555-2>

Moqri, M., Herzog, C., Poganik, J. R., **Biomarkers of Aging Consortium<sup>+</sup>**, ... Gladyshev, V. N. (2023). Biomarkers of aging for the identification and evaluation of longevity interventions. **Cell**, 186(18), 3758–3775. <https://doi.org/10.1016/j.cell.2023.08.003>

Liberman, N., Rothi, M. H., Gerashchenko, M. V., Zorbas, C., Boulias, K., MacWhinnie, F. G., **Ying, A. K.**, Flood Taylor, A., ..., Greer, E. L. (2023). 18S rRNA methyltransferases DIMT1 and BUD23 drive intergenerational hormesis. **Molecular Cell**, 83(18), 3268–3282.e7. <https://doi.org/10.1016/j.molcel.2023.08.014>

Bitto, A., Grillo, A. S., Ito, T. K., Stanaway, I. B., Nguyen, B. M. G., **Ying, K.**, ... Kaeberlein, M. (2023). Acarbose suppresses symptoms of mitochondrial disease in a mouse model of Leigh syndrome. **Nature Metabolism**, 5(6), 955–967. <https://doi.org/10.1038/s42255-023-00815-w>

Emmrich, S., Trapp, A., Tolibzoda Zakusilo, F., Straight, M. E., **Ying, A. K.**, Tyshkovskiy, A., ..., Gorbunova, V. (2022). Characterization of naked mole-rat hematopoiesis reveals unique stem and progenitor cell patterns and neotenic traits. **The EMBO Journal**, 41(15), e109694. <https://doi.org/10.15252/embj.2021109694>

Yang, Z., ..., Guo, H., **Ying, K.**, Gustafsson, S., ..., Shen, X. (2022). Genetic Landscape of the ACE2 Coronavirus Receptor. **Circulation**, 145(18), 1398–1411. <https://doi.org/10.1161/CIRCULATIONAHA.121.057888>

Li, T., Ning, Z., Yang, Z., Zhai, R., Zheng, C., Xu, W., Wang, Y., **Ying, K.**, Chen, Y., & Shen, X. (2021). Total genetic contribution assessment across the human genome. **Nature Communications**, 12(1), 2845. <https://doi.org/10.1038/s41467-021-23124-w>

Zhu, J., Xu, M., Liu, Y., Zhuang, L., **Ying, K.**, Liu, F., ..., Songyang, Z. (2019). Phosphorylation of PLIN3 by AMPK promotes dispersion of lipid droplets during starvation. **Protein & Cell**, 10(5), 382–387. <https://doi.org/10.1007/s13238-018-0593-9>

## OTHER PREPRINTS

Zhang, O., Zhang, X., Lin, H., Tan, C., Wang, Q., Mo, Y., ..., **Ying, K.**, Li, J., Zeng, Y., Lang, L., Pan, P., Cao, H., Song, Z., Qiang, B., Wang, J., Ji, P., Bai, L., Zhang, J., Hsieh, C.-Y., Heng, P. A., Sun, S., Hou, T., & Zheng, S. (2025). ODesign: A World Model for Biomolecular Interaction Design. **arXiv**. <https://odesign1.github.io/>

Mavrommatis, C., Belsky, D., **Ying, K.**, Moqri, M., Campbell, A., Richmond, A., ..., Gladyshev, V. N. (2025). *An unbiased comparison of 14 epigenetic clocks in relation to 10-year onset of 174 disease outcomes in 18,859 individuals*. **medRxiv**. <https://doi.org/10.1101/2025.07.14.25331494>

Galkin, F., ..., Tyshkovskiy, A., **Ying, K.**, Gladyshev, V. N., & Zhavoronkov, A. (2024). Precious3GPT: Multimodal Multi-Species Multi-Omics Multi-Tissue Transformer for Aging Research and Drug Discovery. **bioRxiv**. <https://doi.org/10.1101/2024.07.25.605062>

Tyshkovskiy, A., Khodina, D., **Ying, K.**, Davitadze, M., ..., Gladyshev, V. N. (2024). Transcriptomic Hallmarks of Mortality Reveal Universal and Specific Mechanisms of Aging, Chronic Disease, and Rejuvenation. **bioRxiv**. <https://doi.org/10.1101/2024.07.04.601982>

Moqri, M., Poganik, J. R., Herzog, C., **Ying, K.**, Chen, Q., ..., Gladyshev, V. N. (2024). Integrative epigenetics and transcriptomics identify aging genes in human blood. **bioRxiv**. <https://doi.org/10.1101/2024.05.30.596713>

Rothi, M. H., Sarkar, G. C., Al Haddad, J., Mitchell, W., **Ying, K.**, Pohl, N., ..., Greer, E. L. (2024). The rRNA Methyltransferase DIMT-1 Regulates Lifespan in the Germline Later in Life. **bioRxiv**. <https://doi.org/10.1101/2024.05.15.570935>

Zhang, B., Tarkhov, A. E., Ratzan, W., **Ying, K.**, Moqri, M., ..., Gladyshev, V. N. (2022). *Epigenetic profiling and incidence of disrupted development point to gastrulation as aging ground zero in Xenopus laevis*. **bioRxiv**. <https://doi.org/10.1101/2022.08.02.502559>

## Patents

V. N. Gladyshev, **K. Ying**, "High-dimensional measurement of biological age" (2024). *Provisional Patent Application*

V. N. Gladyshev, **K. Ying**, "Mapping CpG sites to quantify aging traits" (2024). *WO2024039905A2*

## Software and Database

**MethylGPT** (2024) <https://github.com/MethylGPT/MethylGPT>

**Biolearn** (2024) <https://bio-learn.github.io/>

**ClockBase** (2023) <https://www.clockbase.org/>

## Presentations

### ORAL PRESENTATIONS

**Biomarkers of Aging Symposium 2025** Boston, MA  
*Massive AI agent mining of aging-modifying interventions from millions of molecular profile* 2025

**ASHG 2025 Annual Meeting** Boston, MA  
*Decoding the Aging Methylome: From Causal Inference to Foundation Models* 2025

**6th TimePie Longevity Forum** Shanghai, China  
*Massive AI agent mining of aging-modifying interventions from millions of molecular profile* 2025

<b>CSH-Asia Conference: Stem cell, Aging and Rejuvenation</b> <i>Massive AI agent mining of aging-modifying interventions from millions of molecular profile</i>	Suzhou, China 2025
<b>Keystone Symposia: Aging: New Frontiers in Rejuvenation and Gerotherapeutics</b> <i>MethylGPT: A Foundation Model for the DNA Methylome</i>	Breckenridge, CO 2025
<b>Biomarkers of Aging Symposium</b> <i>Standardization of aging biomarkers and BoA challenge</i>	Boston, MA 2024
<b>Harvard GRIP Presentations</b> <i>Causal Aging Biomarker empowers Unbiased Anti-Aging Therapy Screening</i>	Boston, MA 2024
<b>4th TimePie Longevity Forum</b> <i>Causal Aging Biomarker as a Tool for Unbiased Anti-Aging Therapy Screening</i>	Shanghai, China 2023
<b>Global Congress on Aesthetic and Anti-Aging (GCAA2023)</b> <i>Causal Aging Biomarker as a Tool for Unbiased Anti-Aging Therapy Screening</i>	Singapore 2023
<b>10th Aging Research and Drug Discovery conference (ARDD2023)</b> <i>Causal Epigenetic Age Uncouples Damage and Adaptation</i>	Copenhagen, Denmark 2023
<b>AGE 2023 51st Annual Meeting</b> <i>Causal Epigenetic Age Uncouples Damage and Adaptation</i>	Oklahoma City, OK 2023
<b>Broad Institute MPG Retreat</b> <i>Causal Epigenetic Age Uncouples Damage and Adaptation</i>	Cambridge, MA 2023
<b>Harvard GRIP Presentations</b> <i>Causal Epigenetic Age Uncouples Damage and Adaptation</i>	Boston, MA 2022
<b>Targeting Metabesity 2022, ‘Honorable Mention’</b> <i>Causal Epigenetic Age Uncouples Damage and Adaptation</i>	Virtual Conference 2022
<b>GSA 2021 Annual Scientific Meeting</b> <i>Genetic and phenotypic evidence for causal relationships between aging and COVID-19</i>	Virtual Conference 2021

#### INVITED TALKS

<b>St. Jude Children’s Research Hospital</b> , hosted by Dr. Zhaoming Wang <i>MethylGPT and Causality-enriched Epigenetic Clock</i>	Memphis, TN 2025
<b>The Alliance for Longevity Initiatives Scientist Spotlight</b> , <i>Episode 14: Albert Ying</i>	Online Podcast 2024
<b>BioAge Seminar</b> , hosted by Dr. Robert Hughes & Dr. Paul Timmers <i>Ageome: Biological age with higher-dimensionality</i>	Boston, MA 2024
<b>MRC Integrative Epidemiology Unit Seminar</b> <i>Epigenetic Clocks and Mendelian Randomization</i>	Bristol, UK 2024
<b>NIA EL Projects Joint Meeting</b> , National Institute on Aging <i>Aging Clocks</i>	Online Webinar 2024
<b>Biomarkers of Aging Challenge</b> , Foresight Institute <i>Update Webinar with Foresight</i>	Online Webinar 2024

<b>Everything Epigenetics</b> , podcast hosted by Hannah Went <i>Causal Epigenetic Age Uncouples Damage and Adaptation</i>	Online Podcast 2024
<b>Chinese University of Hong Kong</b> , hosted by Dr. Xin Wang <i>Causal Aging Biomarker as a Tool for Systemic Anti-Aging Therapy Screening</i>	Hong Kong, China 2024
<b>Everything Epigenetics</b> , podcast hosted by Hannah Went <i>Causal Epigenetic Age Uncouples Damage and Adaptation</i>	Online Podcast 2023
<b>Chinese University of Hong Kong</b> , hosted by Dr. Xin Wang <i>Causal Aging Biomarker as a Tool for Systemic Anti-Aging Therapy Screening</i>	Hong Kong, China 2023
<b>Peking University</b> , hosted by Dr. Jingdong Han <i>Causal Aging Biomarker and ClockBase</i>	Beijing, China 2023
<b>Chinese Academy of Sciences</b> , hosted by Dr. Xuming Zhou <i>Causal Epigenetic Age Uncouples Damage and Adaptation</i>	Beijing, China 2022
<b>Foresight Institute</b> , hosted by Allison Duettmann <i>Genetic Variation, Aging &amp; Relationship to COVID-19   Joris Deelen, Albert Ying</i>	Online Seminar 2020

## Honors

---

<b>Semifinalist</b> , Harvard President's Innovation Challenge, Health Care and Life Sciences Track	2025
<b>Best Poster Award</b> , Inaugural Biomarker of Aging Symposium	2023
<b>Best Poster Award</b> , Gordon Research Conference, Systems Aging	2022
<b>Hackathon Winner</b> , Longevity Hackathon, VitaDAO	2021
<b>Yat-Sen Honor School Program</b> , Sun Yat-Sen University	2016 – 2019
<b>Yat-Sen Scholarship</b> , Sun Yat-Sen University	2016 – 2019

## Professional Experience

---

### SERVICE & LEADERSHIP

<b>Board Member</b> , Lifeboat Foundation	2025 – Present
<b>Member</b> , Norn Longevity Nexus	2025 – Present
<b>Jury and Mentor</b> , Agentic AI Against Aging Hackathon	2025
<b>Core Member</b> , Biomarkers of Aging Consortium	2024 – Present
<b>Organizer</b> , Biomarker of Aging Challenge	2024 – Present
<b>President</b> , Harvard Interdisciplinary Discussion on Disease and Health	2024 – 2025
<b>Agenda Contributor</b> , World Economic Forum	2024
<b>Organizing Committee Member</b> , Biomarker of Aging Symposium 2024	2024
<b>Organizing Committee Member</b> , Biomarker of Aging Symposium 2023	2023

TEACHING & MENTORING

**Mentor**, Yuanpei Young Scholars Program

2023 – 2024

**Instructor**, Harvard Public Health Symposium For Young Generation

2023

### STUDENTS SUPERVISED

**Predoctoral Students:** Ali Doga Yucel, Siyuan Li, Hanna Liu, Donghyun Lee, Yikun Zhang

JOURNALS REVIEWED

*Nature Aging, Nature Communications, Communications Medicine, Genome Medicine, BMC Nephrology, Lipids in Health and Disease, Clinical Proteomics, Evidence-Based Complementary and Alternative Medicine, Scientific Reports*

## References

**Dr. Tony Wyss-Coray**, Postdoctoral Co-Advisor

twc@stanford.edu

D.H. Chen Distinguished Professor of Neurology and Neurological Sciences, Stanford University

**Dr. David Baker**, Postdoctoral Co-Advisor

dbaker@uw.edu

Professor of Biochemistry, University of Washington

Dr. Vadim Gladyshev, Dissertation Advisor

vgladyshev@bwh.harvard.edu

Professor of Medicine, Harvard Medical School

### **Dr. Steve Horvath, Collaborator**

shoryvath@mednet.ucla.edu

Professor of Human Genetics, UCLA

**Dr. David Sinclair**, Dissertation Advisory Committee

david.sinclair@hms.harvard.edu

Professor of Genetics, Harvard Medical School

**Dr. Matt Kaeberlein**, Advisor

kaeber@uw.edu

Professor of Pathology, University of Washington