附件

Taiwan NSTC – Stanford SOM Visiting Student Program

1. Cardiovascular Diseases & Bio Supply Chain – Joseph Wu, MD, PhD (UCLA, Molecular & Medical Pharmacology (2004), MD, Yale University School of Medicine, Medicine (1997))
Director, Cardiovascular Institute
https://profiles.stanford.edu/joseph-wu
Lab: https://med.stanford.edu/wulab.html

(1) An orange calcium-modulated bioluminescent indicator for non-invasive activity imaging. Nature Chemical Biology 2019;15(5):433-436. PMID: 30936501. PMCID: 6563924

(2) A premature termination codon mutation in MYBPC3 causes hypertrophic cardiomyopathy via chronic activation of nonsense-mediated decay. Circulation 2019;139(6):799-811. PMID: 30586709. PMCID: 1512906

2. Genetics & Microbiota – Michael Snyder, PhD (1982 California Institute of Technology)
Director, Center for Genomics and Personalized Medicine
https://med.stanford.edu/profiles/michael-snyder
Lab: https://med.stanford.edu/snyderlab/about.html

(1) Short-chain fatty acid metabolites propionate and butyrate are unique epigenetic regulatory elements linking diet, metabolism and gene expression. Nature metabolism, 2025, DOI 10.1038/s42255-024-01191-9

(2) Global loss of promoter-enhancer connectivity and rebalancing of gene expression during early colorectal cancer carcinogenesis. Nature cancer, 2024, DOI 10.1038/s43018-024-00823-z

3. Gene Editing - Matt Porteus, MD, PhD (Stanford University School of Medicine (1994))
Director, Center for Definitive and Curative Medicine
https://med.stanford.edu/profiles/matthew-porteus
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(1) Human striatal progenitor cells that contain inducible safeguards and overexpress BDNF rescue Huntington's disease phenotypes, Molecular Therapy Methods & Clinical Development 33 (1), 2025

(2) A differentiated β-globin gene replacement strategy uses heterologous introns to restore physiological expression, Molecular Therapy (Available online 28 February 2025) https://doi.org/10.1016/j.ymthe.2025.02.036

4. GI / Organoids – Calvin Kuo, MD, PhD (M.D./Ph.D., Stanford University, Cancer Biology (1994))
Vice Chair, Dept of Medicine
https://med.stanford.edu/profiles/calvin-kuo
Lab: https://www.kuolab.stanford.edu/

(1)A human autoimmune organoid model reveals IL-7 function in coeliac disease. Nature July 2024). https://doi.org/10.1038/s41586-024-07716-2.

(2)GPR124 regulates murine brain embryonic angiogenesis and BBB formation by an intracellular domain-independent mechanism.; Development 1 June 2024; 151 (11): dev202794. doi: https://doi.org/10.1242/dev.202794

5. Neuroscience / Organoids – Sergiu Pasca, MD (Medical Doctor, Hatieganu School of Medicine, Romania, (2007))
Director, Stanford Brain Organogenesis Program
https://profiles.stanford.edu/sergiu-pasca
Lab: https://www.pascalab.org/publications.html

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(2) Developmental convergence and divergence in human stem cell models of autism spectrum disorder, bioRxiv 2024 April 2. doi: 10.1101/2024.04.01.587492

6. Stem Cells – Ravi Majeti, MD, PhD (MD - University of California, San Francisco (UCSF), 2002, PhD in Biomedical Sciences - UCSF, 2000)
Director, Stem Cell Institute
https://profiles.stanford.edu/ravindra-majeti
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(1) Convergent epigenetic evolution drives relapse in acute myeloid leukemia. eLife, 13:e93019 (2024)

(2) Genome engineering with Cas9 and AAV repair templates generates frequent concatemeric insertions of viral vectors. Nature Biotechnology, 10.1038/s41587-024-02171-w (2024)

7. Cancer – Steven Artandi, MD, PhD (M.D., Columbia University (1995), Ph.D., Columbia University, Microbiology (1995))
Director, Cancer Institute
https://profiles.stanford.edu/steven-artandi
Lab: https://med.stanford.edu/artandilab.html

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(2) Regulation of human telomerase in homeostasis and disease, Nature Reviews Molecular Cell Biology volume 21, pages384–397 (2020)

8. Immunology & Aging – Mark Davis, PhD (Caltech, Molecular Biology (1981))
HHMI Investigator Emeriti
Past Director, Institute for Immunity, Transplantation, and Infection
https://profiles.stanford.edu/mark-davis
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(2) CD4+ T cells contribute to neurodegeneration in Lewy body dementia. Science (New York, N.Y.), 2021. DOI 10.1126/science.abf7266

9. Vaccinology – Bali Pulendran, PhD (1995 — PhD, Immunology, The Walter & Eliza Hall Institute, University of Melbourne)
Director, Institute for Immunity, Transplantation, and Infection
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