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ACADEMIC APPOINTMENTS

- 6/1/2018 – Assistant Professor, Dept. of Psychiatry and Behavioral Sciences,
Stanford University School of Medicine
- 1/1/2016 – 6/1/2018 Instructor, Dept. of Psychiatry and Behavioral Sciences,
Stanford University School of Medicine
- 1/2016 – 6/1/2018 Siebel Scholar, Institute for Stem Cell Biology and Regenerative
Medicine, Stanford University

EDUCATION

- 2009-15 Post-doctoral Fellow, Stem Cell and Regenerative Biology, Laboratory of Douglas
Melton, Harvard University
- 2005-09 Ph.D., Neuroscience, Laboratory of Daniela Kaufer, University of California, Berkeley
- 2001-05 B.A., Molecular and Cell Biology, University of California, Berkeley

FELLOWSHIPS AND FUNDING

- 2017-22 NIH Autism Centers of Excellence Grant (co-PI, \$2.17m subaward to Chetty lab)
- 2016-18 Siebel Fellowship
- 2009-15 Leona M. and Harry B. Helmsley Charitable Trust
- 2008 California Institute for Regenerative Medicine Pre-Doctoral Fellowship
- 2005 Helen Wills Neuroscience Institute Fellowship

PEER-REVIEWED ORIGINAL RESEARCH PUBLICATIONS

1. L. Ma, **S. Chetty**. Variations and expression features of CYP2D6 contribute to schizophrenia risk. *bioRxiv* <https://www.biorxiv.org/content/10.1101/659102v1>
2. A. Shcherbina, J. Li, C. Narayanan, W. Greenleaf, A. Kundaje, and **S. Chetty**. (2019) Cell cycle dynamics of human pluripotent stem cells primed for differentiation. *Stem Cells* 00: 1-7, doi:10.1002/stem.3041.
3. D. Sambo, J. Li, T. Brickler, and **S. Chetty**. (2019) Transient treatment of human pluripotent stem cells with DMSO to promote differentiation. *J. Vis. Exp.* (149), e59833, doi:10.3791/59833.

4. J. Li, C. Narayanan, J. Bian, D. Sambo, T. Brickler, W. Zhang, **S. Chetty**. (2018) A transient DMSO treatment increases the differentiation potential of human pluripotent stem cells through the Rb family. *PLoS ONE* 13(12): e0208110.
5. A.M. Tsankov, V. Akopian, R. Pop, **S. Chetty**, C.A. Gifford, L. Daheron, N.M. Tsankova, A. Meissner. (2015) A qPCR ScoreCard quantifies the differentiation potential of human pluripotent stem cells. *Nature Biotechnology* 33: 1182-1192.
6. **S. Chetty***, E.N. Engquist, E. Mehanna, K.O. Lui, A.M. Tsankov, D.A. Melton*. (2015) A Src inhibitor regulates the cell cycle of human pluripotent stem cells and improves directed differentiation. *The Journal of Cell Biology* 210: 1257-1268. (*co-corresponding author)
7. **S. Chetty**, F.W. Pagliuca, C. Honore, A. Kweudjeu, A. Rezanian, D.A. Melton. (2013) A simple tool to improve pluripotent stem cell differentiation. *Nature Methods* 10: 553-556.
8. **S. Chetty**, A.R. Friedman, K. Taravosh-Lahn, E.D. Kirby, C. Mirescu, F. Guo, D. Krupik, A. Nicholas, A. Geraghty, A. Krishnamurthy, M. Tsai, D. Covarrubias, A. Wong, D. Francis, R.M. Sapolsky, T.D. Palmer, D. Pleasure, D. Kaufer. (2014) Stress and glucocorticoids promote oligodendrogenesis in the adult hippocampus. *Molecular Psychiatry* 19: 1275-1283.
9. A.K. Solbakk, G.F. Alpert, A.J. Furst, L.A. Hale, T. Oga, **S. Chetty**, N. Pickard, R.T. Knight. (2008) Altered prefrontal function with aging: insights into age-associated performance decline. *Brain Research* 1232: 30-47.
10. G.D. Rabinovici, A.J. Furst, J.P. O'Neil, C.A. Racine, E.C. Mormino, S.L. Baker, **S. Chetty**, P. Patel, T.A. Pagliaro, W.E. Klunk, C.A. Mathis, H.J. Rosen, B.L. Miller, W.J. Jagust. (2007) ¹¹C-PIB PET imaging in Alzheimer disease and frontotemporal lobar degeneration. *Neurology* 68:1205-1212.

INVITED ORAL PRESENTATIONS

S. Chetty. Modeling Brain Overgrowth in Autism Using Human Pluripotent Stem Cells. Invited oral presentation at the 2019 NIH Autism Centers of Excellence Investigators meeting, Washington D.C.

S. Chetty. Modeling brain overgrowth in psychiatric disorders using human iPSCs. Invited oral presentation at the 2018 Society for Neuroscience Conference, San Diego, CA.

S. Chetty. Using stem cells to model autism spectrum disorder. Invited Facebook live interview at the UC Davis Mind Institute July 2018.

S. Chetty. Invited speaker at the annual 2018 Let's Have an Awesome Time Doing Science symposium, Stanford University, Stanford, CA.

S. Chetty. Modeling brain overgrowth in psychiatric disorders using human iPSCs. Invited seminars (2017, 2018) at the UC Davis MIND Institute, Sacramento, CA.

S. Chetty, J. Hallmayer, R. O'Hara. Creation and Evaluation of iPSCs from Children with ASD with Megalencephaly. Invited oral presentation (2017) at the Autism Phenome Project retreat, UC Davis MIND Institute, Sacramento, CA.

S. Chetty. Regulating the cell fate specification of pluripotent stem cells. Invited oral presentation (2016) at annual Weissman/NIH Rocky Mountain Labs retreat, NIH Rocky Mountain Laboratories, Hamilton, MT.

S. Chetty. Regulating the cell fate specification of pluripotent stem cells. Invited seminar (2016) at Asterias Biotherapeutics, Fremont, CA.

S. Chetty, D.A. Melton. Regulating the cell fate specification of pluripotent stem cells. Invited oral presentation at the 2014 American Society for Cell Biology, Philadelphia, PA.

S. Chetty, M.J. Ziller, C.A. Gifford, A. Meissner, D.A. Melton. Epigenetic priming to promote pluripotent stem cell differentiation. Invited oral presentation at the 2014 International Society for Stem Cell Research, Vancouver.

ORAL PRESENTATIONS

S. Chetty. Modulating the cell cycle to regulate pluripotent stem cell differentiation. Oral presentation (2017) at the Stanford Institute for Stem Cell Biology and Regenerative Medicine retreat, Monterey, CA.

S. Chetty. Regulating the cell fate specification of pluripotent stem cells. Oral presentation (2016) at the Stanford Institute for Stem Cell Biology and Regenerative Medicine retreat, Monterey, CA.

POSTER PRESENTATIONS

T. Brickler, J. Bian, J. Vega, S. Chetty. Neuronal Activity Promotes the Adaptive Myelination of Oligodendrocytes from Human Pluripotent Stem Cells in Vitro. Poster presentation at the 2018 Society for Neuroscience Conference, San Diego, CA.

J. Li, C. Narayanan, D. Sambo, J. Bian, T. Brickler, and S. Chetty. Transient activation of Rb promotes human pluripotent stem cell differentiation. Poster presentation at the 2018 Society for Neuroscience Conference, San Diego, CA.

L. Ma, S. Chetty. Co-localization of eQTL and GWAS in Schizophrenia. Poster presentation at the 2018 Society for Neuroscience Conference, San Diego, CA.

J. Li, S. Chetty. The role of the 16p11.2 CNV on oligodendrocyte progenitor cells derived from ASD patients. Poster presentation at the 2017 Stanford University Postdoc Symposium, Stanford, CA. (2nd place, best poster presentation).

S. Chetty, M.J. Ziller, C.A. Gifford, D.A. Melton, A. Meissner. Regulating the cell fate specification of pluripotent stem cells. Poster presentation at the 2016 American Society for Cell Biology, San Francisco, CA.

S. Chetty, M.J. Ziller, C.A. Gifford, D.A. Melton, A. Meissner. Regulating the cell fate specification of pluripotent stem cells. Poster presentation at the 2016 International Society for Stem Cell Research, San Francisco, CA.

S. Chetty, M.J. Ziller, C.A. Gifford, D.A. Melton, A. Meissner. Regulating the cell fate specification of pluripotent stem cells. Poster presentation at the 2015 Keystone Symposia Transcriptional and Epigenetic Influences on Stem Cell States, Steamboat Springs, CO.

S. Chetty, F.W. Pagliuca, C. Honore, A. Kweudjeu, A. Rezania, D.A. Melton. A simple tool to improve the differentiation potential of human pluripotent stem cells. Poster presentation at the 2013 International Society for Stem Cell Research, Boston, MA.

TEACHING

PSYC 199: Undergraduate research at Stanford University

Stanford Institutes of Medicine Summer Research (SIMR) Program, 2017, 2018, 2019

Stanford Summer Research Program, 2019

Guest lecture for incoming PhD students in the Stanford Stem Cell Biology and Regenerative Medicine program, Human pluripotent stem cell course, September 2016 and 2018

Graduate Student Instructor, Molecular and Cell Biology 135e/k: Physiology of Human Development and Physiology of the Aging Process, Professor Paola Timiras, Fall 2006 and Spring 2008, University of California, Berkeley

POSTDOCTORAL FELLOWS SUPERVISED AT STANFORD UNIVERSITY

Jingling Li

- awarded 2nd place for best poster presentation at the 2017 Stanford postdoc symposium
- awarded the 2018 Stanford School of Medicine Dean's Postdoctoral Fellowship
- awarded the 2018 Postdoctoral Young Investigator Award from the Stanford Institute for Stem Cell Biology and Regenerative Medicine

Thomas Brickler

Danielle Sambo

Liang Ma

PhD STUDENTS SUPERVISED AT STANFORD UNIVERSITY

Anna Shcherbina (Biomedical Informatics PhD program, 2016-)

Renata Martin (dissertation committee, July 2018, Stem Cell Biology and Regenerative Medicine PhD program)

Raymond McKoy (2018 rotation student, Neuroscience PhD program)

Esmond Lee (2017 rotation student, Stem Cell Biology and Regenerative Medicine PhD program)

UNDERGRADUATE STUDENTS SUPERVISED

At Stanford: Trent Edwards

At Harvard: Lydia Gold, Tanmaya Sambare, Elise Engquist, Ameen Chaudry, Elie Mehanna

At UC-Berkeley: Ashmi Ullal, Jennifer Shih, Amrita Krishnamurthy, Meng-Ko Tsai

ADMINISTRATIVE SERVICE

Evaluation of MD/PhD candidates for 2019 residency in Psychiatry at Stanford University School of Medicine

Renata Martin (dissertation committee, July 2018, Stem Cell Biology and Regenerative Medicine PhD program)

SOCIETY MEMBERSHIPS

International Society for Stem Cell Research

American Society for Cell Biology

Society for Neuroscience

HIGH SCHOOL STUDENTS SUPERVISED

At Stanford: Kaylauni Cisneros, Kevin Mao