

大学・研究所名：Sanford Burnham Prebys Medical Discovery

部署名： Sanford Consortium for Regenerative Medicine

部署責任者名（職名）： Dr. Evan Snyder

(Professor, UCSD/Sanford Burnham Prebys Medical Discovery)

(Director, Sanford Consortium for Regenerative Medicine)

所在地・URL： <http://SBPDiscovery.org>

本学窓口教室主任：薬理学 五嶋 良郎 教授

（１）教室の特色・研究テーマ

Evan Snyder's Research Focus

The use of stem cells to model, understand, and treat (through transplantation and/or drug discovery) a wide range of disorders, including cancer (brain cancer, lung cancer, breast cancer, skin cancer, thyroid cancer, and melanoma); peripheral vascular disease; arthritis; congenital disorders of glycosylation; muscular dystrophy; neurodegenerative disorders (including Alzheimer's Disease, Amyotrophic Lateral Sclerosis [Lou Gehrig's Disease], HIV-associated dementia, Huntington's Disease, multiple sclerosis, Parkinson's Disease), lysosomal storage disorders); stroke & perinatal asphyxia (cerebral palsy); traumatic brain injury (including chronic traumatic encephalopathy [CTE]); spinal cord injury; childhood diseases; neuropsychiatric disorders; congenital brain dysmorphisms & migrational defects; viral infections of the brain. The lab also pursues the use of induced pluripotent cells as a basis for personalized medicine. Of late, the lab has also started studying COVID-19 and SARS-CoV-2 infection of lung & brain organoids for the purpose of understanding viral life cycle, the causes of viral pathogenicity, and finding drugs to block viral cytopathology.

（２）実習計画

詳細は面談の際に相談となります。

（３）学生に対する要望

研究及びミーティングは全て英語で行われますので、日常会話以上の英語力が必要になります。

（４）受入れ可能人数

若干名