Nadia Roan

Gladstone Institutes

November 20, 2020



J. David Gladstone 1910-1971





GLADSTONE INSTITUTES

Cardiovascular Disease Data Science and Biotechnology

Neurological Disease Genomic Immunology

Virology

GLADSTONE INSTITUTES

Center for Cell Circuitry

Center for Translational Advancement Center for HIV Cure Research

Roddenberry Stem Cell Center Center for Systems and Therapeutics

Taube/Koret Center for Neurodegenerative Disease Research

Vision and Mission

Gladstone's Vision

To overcome unsolved diseases through transformative biomedical research.

Gladstone's Mission

To drive a new era of discovery in diseaseoriented science and to mentor tomorrow's leaders in an inspiring and diverse environment.

Gladstone Cores

- Assay Development and Drug Discovery
- Behavioral
- Bioinformatics
- Flow Cytometry
- Genomics
- Histology and Light Microscopy
- Mass Spectrometry
- Stem Cell
- Transgenic Gene Targeting

Lobby Redesign

Melanie Ott, MD, PhD



Christof Fellmann, PhD

Nevan Krogan, PhD





Warner Greene, MD, PhD

Jennifer Doudna, PhD





Nadia Roan, PhD

Dan Fletcher, PhD





Leor Weinberger, PhD

The Krogan Lab



A High-Throughput CRISPR RNP Platform

The Roan Lab

CYTOF Mass Spectrometry of HIV-Infected Cells



The Weinberger Lab



A TIP-Based HIV Prevention System

The Greene Lab



The Ott/Doudna/Fletcher Labs



A CRISPR-based HIV Diagnostic

Sample ESI work

Ashley George

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Viral sensors/restriction factors



- Track A (Basic & Translational Research) IAS/ANRS Lange/van Tongeren Prize for Young Investigator Award at AIDS 2020
- Projects entail working with Gladstone bioinformatics and flow core
- ARI award just granted: "Characterization of the effects of antiretroviral drugs on HIV infection in the female reproductive tract using an ex vivo model"
 - Moving towards translational research
 - Consulted with clinical MWCCS researchers for suggestions on PrEP drug levels