

UCSF Core Facilities

Jeff Milush, PhD

Associate Professor

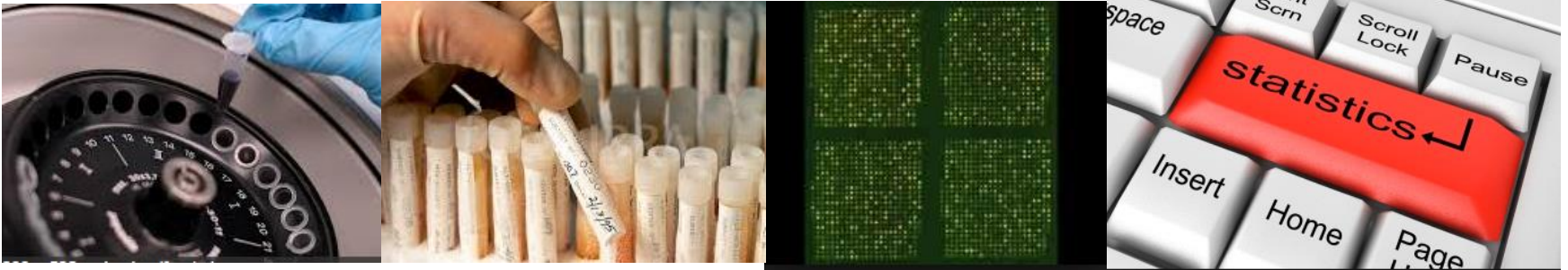
Director UCSF/CFAR Core Immunology Laboratory

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What is a Core?

- **A centralized shared resource**
- **Provides access to**
 - **Expert consultation**
 - **Instruments**
 - **Technologies**
 - **Services**
 - **Cell, animal, human support**
- **Cores come in many flavors, with varied operational models**

Why and when to use a Core?



- **Expand** your research scope and capacity
- **Expedite** progress by using services already up and running
- **Save** money by ‘renting’ rather than ‘buying’
- **Gain** critical insight by consulting with experts throughout the study
 - Particularly at the study inception stage

About CFAR

Calendar

Science and Cores

Funding

Mentoring

Education

International

SCIENCE AND CORES

[Administrative Core](#)

[Developmental Core](#)

[Health Disparities](#)

[Clinical and Population Sciences](#)

[Immunology](#)

[Pharmacology](#)

[Specimen Banking](#)

[Virology](#)

[Request Core Services](#)

[Implementation Science Working Group](#)

Science and Cores

Our Center's central goal is facilitating scientific progress in HIV by providing the broadest community of member investigators with direct services and other means that result in important collaborative work. CFAR assembles scientific teams across our distributed research environment and supports those efforts with direct and indirect resources such as access to emerging technologies and availability of dynamic scientific cores.

Our research cores operate within a larger network of clinical and scientific laboratories housed on the various UCSF campuses. These laboratories provide member investigators with access to a wide

array of specialized services and significant technical expertise. Each core provides technical assistance to projects appropriate to our scientific mission, including the development of unique diagnostic assays, genomic tests and similar tools. Core directors are encouraged to support ground-breaking clinical developments or novel research initiatives by leveraging CFAR funding to acquire critical new equipment or develop new techniques and protocols.



CFAR programs are designed to bring together scientists from different disciplines to stimulate "outside-the-box" thinking.

Request Core Services

Advice, specimen processing, FACS analysis, RNA microarray -- request services here.

Scientific Cores

[Clinical & Population Sciences](#)

[Immunology](#)

[Pharmacology](#)

[Specimen Bank](#)

[Virology](#)

What are the CFAR Scientific Cores?

- **Health Disparities**
 - Marguerita Lightfoot, PhD
- **Clinical/Population Science**
 - Jeff Martin MD, MPH, Steve Deeks MD
- **Immunology**
 - Jeff Milush PhD
- **Pharmacology**
 - Fran Aweeka PharmD
- **Specimen Banking**
 - Richard Jordan, DDS, PhD, FRCPath
- **Implementation SWG**
 - Elvin Geng, MD, MPH, Eric Goosby, MD

UCSF University of California San Francisco

About UCSFSearch UCSFUCSF Health


Research Resource Program

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Home > Find Core Resources

Find Core Resources

Connect with UCSF cores and shared laboratories for technology and expertise in experiment design and instrument use.



Instruments and Services

Look for instruments or services by name or related term

SEARCH

Core Families

Look for cores that support your research among core families

Core families group cores with similar instruments and services. Cores also offer guidance for experiment design, protocol development, and the best uses of technology.

ANIMAL-RELATED RESEARCH

HUMAN BIOSPECIMENS

CLINICAL RESEARCH SUPPORT

COMPUTATION AND INFORMATICS

FLOW AND IMMUNOLOGY

GENOMICS

CELL AND MEDIA SUPPLIES

IMAGING

SPECTROMETRY

MICROSCOPY

Researchers

Tell us how we can improve your experience looking for and finding core resources.

Core Managers

Update information about your resources, such as changes to existing services and instruments and the addition of new resources.

Why are CFAR Cores special?

- **CFAR Cores exist to promote ‘Value Added’ services**
 - **Education, training and mentoring**
 - **State of the art equipment**
 - **New assay development**
 - **Customized services**
 - **Streamlined interaction with other cores particularly CFAR cores**
 - **“Conception – to – Publication” support for projects**



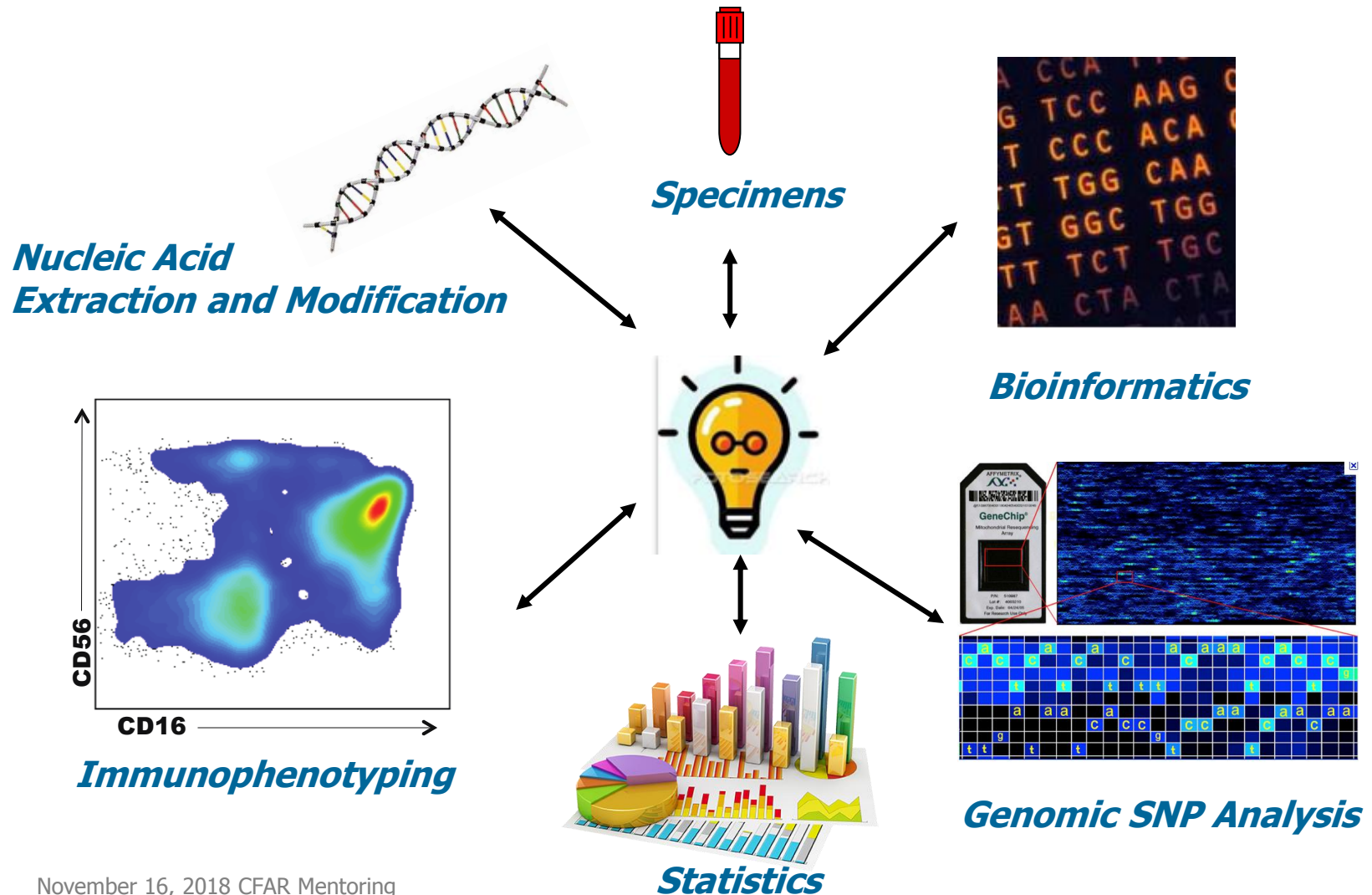
Center for AIDS Research
University of California San Francisco
Gladstone Institute of Virology & Immunology

*Conquering AIDS through
Multidisciplinary Research*

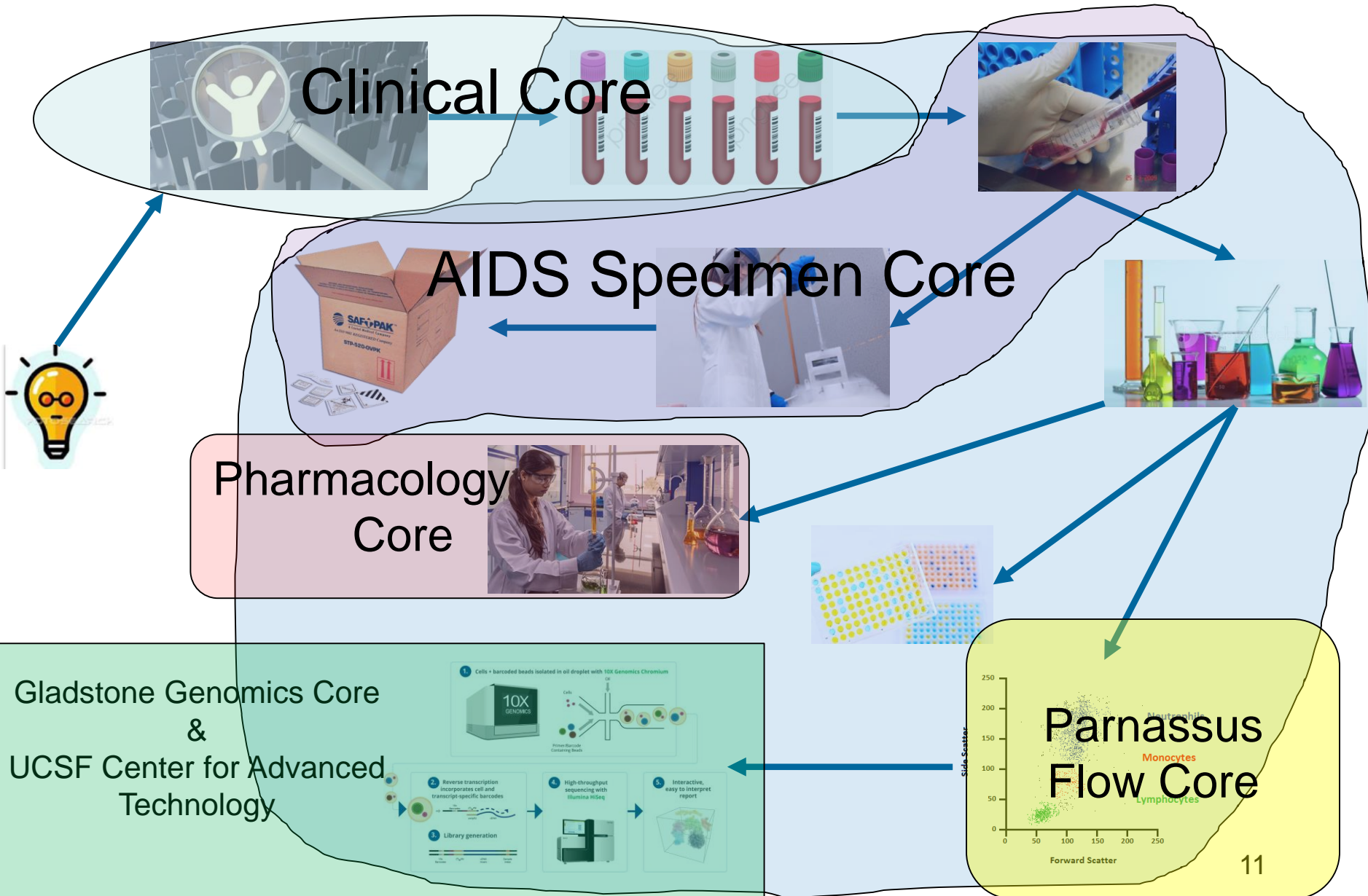
Successful core use through partnerships

- **Your role**
 - **Picking a Core most relevant for the work needed**
 - **Project ownership**
 - **Clarifying your needs (timeline, materials, resources, budget)**
 - **Defining project scope, complexity**
- **Core's role**
 - **Confirming it's the right Core. If not, referral to others**
 - **Provide competency in all areas of service**
 - **Interact with other cores if needed**
 - **Defining deliverables (including timeline, defined services, budget, etc.)**

Managing Core use can be daunting!



Core Organization - Pipelines!



But can I afford using a core?

- **Consult with core director on study design, hypothesis, sample selection and services *early in process***
- **You get what you pay for!**
 - **Quality, accountability and experience**
- **Sometimes, time is \$\$**
- **May partially cover costs for new development work**



- Program provides up to **\$4,000**
- Remove barriers for 1st time core users
- Expand the scope and breadth of core users
- Spark new offerings and collaborations with cores
- Easy app, rapid turnaround, 6 month duration

Thank You and Good Luck!

Questions?

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