

## Aims

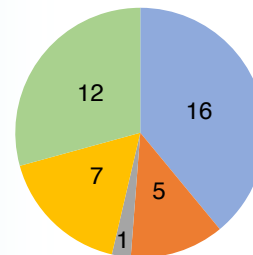
- Co-managed by CINJ and the New Jersey Medical School we provide cutting-edge sequencing platforms to decode genomic, epigenetic, and transcriptomic information in support of clinical and basic research
- Continue to provide techniques relevant to genomics, including sample preparation, single cell sequencing, and FISH, and increase the inclusion of clinical testing panels
- Continue to evaluate new sequence technologies supported by service development surveys that will assess member needs
- Provide advanced training, workshops, seminars, and educational programs for members, trainees, and, more broadly, the RU community

## Attachments available

- Publications
- Grants
- 5-year user list
- FY23 Advisory Committee Presentation
- FY23 Advisory Committee Action Items
- FY23 Advisory Committee Notes
- CY21 – CY22 Satisfaction Survey Action Items
- CY22 Usage
- Submitted Research Strategy
- Submitted Aims
- Submitted SRM Research Strategy

## Research Program Support (2018–2022)

- CMI
- CP
- CPC
- CIPT
- GICG



41 Members

### Publications

Total	30
IF >10	9

### Peer-Reviewed Grants

All	13 (1T)
NCI	3 (1T)

## Scientific examples to be shown

- Nature, 2022, 608(7923):609-617
- Genomic analysis of DNA repair defects in TNBC – *In preparation*
- Nat Gen, 2019 51(5):785
- Blood, 2018, 131(22):2501-2505

## Services & Innovation

### New

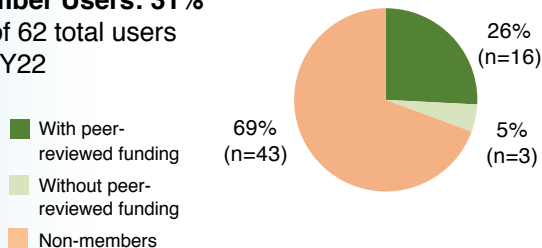
- Fixed RNA Single Cell Sequencing
  - 10x Genomics, Honeycomb, Parse
- Additional Educational Opportunities
  - Lectures for CINJ Trainees
  - Resident/Fellow Clinical Genomics and Cytogenetics Rotations

### Continuing

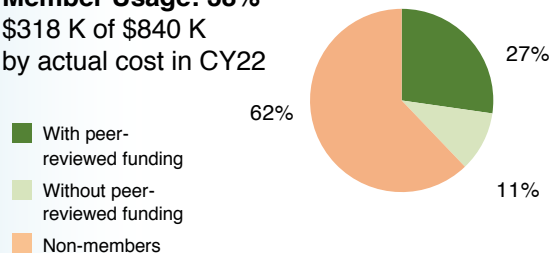
- RNA Sequencing
- DNA Sequencing
- Single Cell Sequencing
- Long Read Sequencing
- Microarray Analysis
- Quantitative PCR Analysis
- Sanger Sequencing
- Fragment Analysis
- Nucleic Acid Isolation and Q/C
- Lectures, Lab Training, Research Rotations, and Fellowships

## Management & Accounting

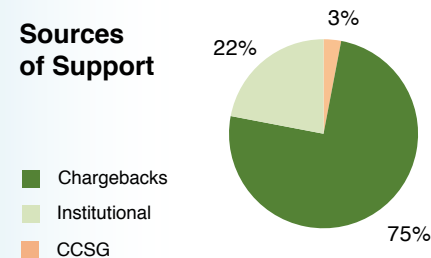
**Member Users: 31%**  
19 of 62 total users  
in CY22



**Member Usage: 38%**  
\$318 K of \$840 K  
by actual cost in CY22

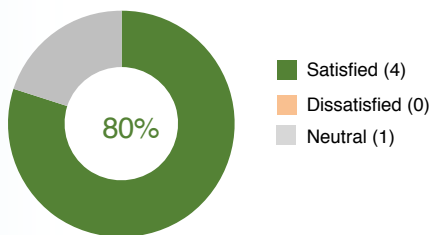


**Sources of Support**



FY24 Chargeback Target 75%

## Satisfaction Survey for CY22 services



Participated: 5 of 19 members (26%)

## Organization & Governance

**CGSR**

2.1 FTE

**SRACs**

- Advisory Committee meets annually
- Discusses operational and scientific progress
- SRM supports organization

**SRM**

- SR Faculty Directors report to the ADSR
- SRM tracks and supports SRAC recommendations, productivity, service development, outreach

**CINJ Director**

- RLC
- Finance & Admin
- EAB