eRAP Town Hall

Patricia Kovatch
James “Chip” Masters
Alona Rabin
Donald Louie
Catherine Mccaffrey
December 2022

Icahn
School of
Medicine at
Mount
Sinai

Agenda

1. Introduction
2. Meet the eRAP team
3. Recent Accomplishments
4. Usage - Metrics
5. Migrate Room and Equipment Scheduling to Institutionally Supported Platforms
6. Migrate User Access to Project Owners
7. Incoming eRAP Projects
8. Q1 Plan Summary
9. Sustainability

Meet the eRAP team

Patricia Kovatch
Professor and Dean for Scientific Computing and Data

Alona Rabin
eRAP Product Owner & .NET lead

Donald Louie
Programmer Analyst

James “Chip” Masters
Semantic Technology Director

Catherine Mccaffrey
Project Manager & Compliance

Open Position
Programmer Analyst

eRAP Recent Accomplishments since May 2022

1. Migrated eRAP from the external to internal network behind the firewall to enhance security

2. Disabled (and continuing to disable) users that haven't logged in to eRAP for the past 6 months to address security issues

3. New eRAP deliverables
   - Implemented The Sinai Robotic Surgery Trial project in HPV-related Oropharyngeal Squamous Cell Carcinoma PI Raymond Cha
   - Implemented enhancements for pharmacy research billing report under PI Ivy Cohen

eRAP Active* Databases

Project Type	# of projects
Clinical Trial	5
Human Research	18
Non-Human Research	8
Healthcare Operations & Compliance	13
WTC Health Program Clinical Center	7
Total:	**51**

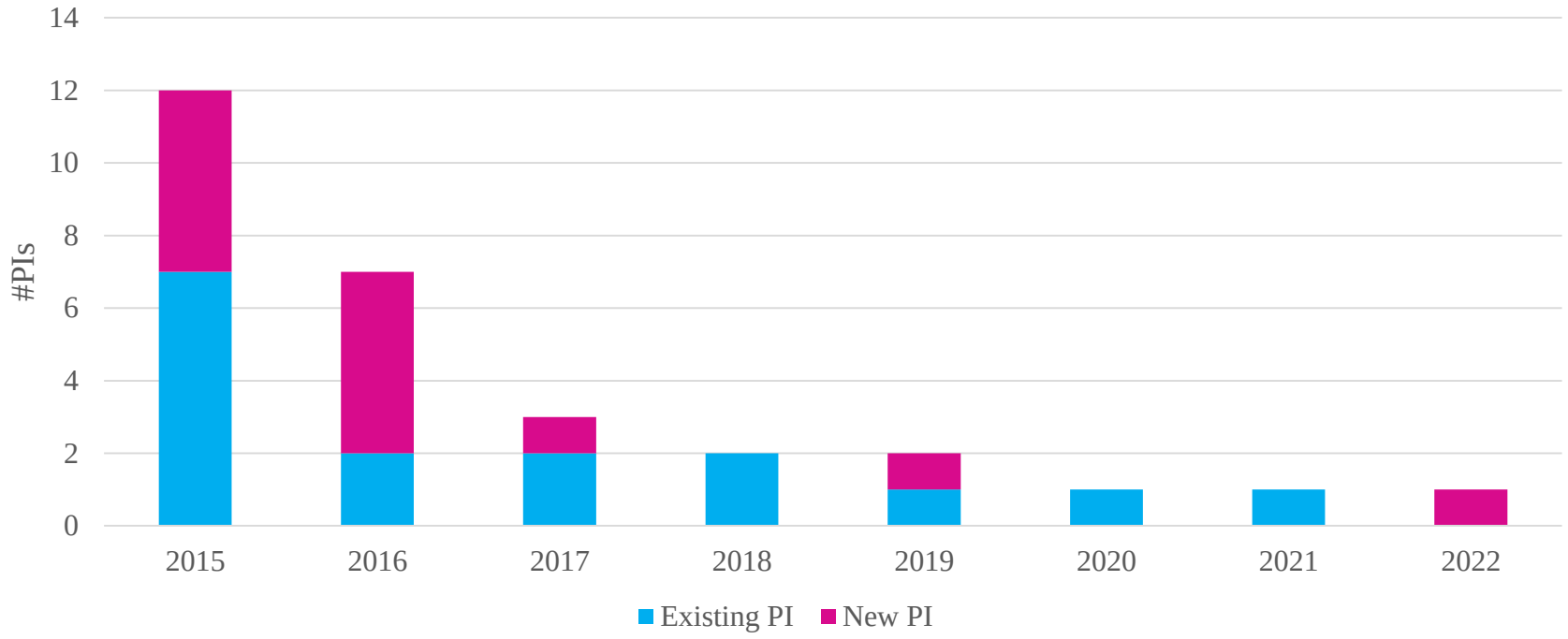
Top 5 PIs according to the number of projects

PI Name	Department / Institute	Projects	Fields
Jonathan Cohen	Comparative Medicine and Surgery / Medicine	7	570
Michael Crane	Environmental Medicine and Public Health	6	4,131
Rachel Brody	Pathology, Molecular & Cell Based Medicine	4	3,337
Nina Bhardwaj	Hematology & Medical Oncology / Urology	3	1,840
John Levine	Hematology & Medical Oncology	3	9,129

Data as of: 22-11-22

*Active = Login within last six months

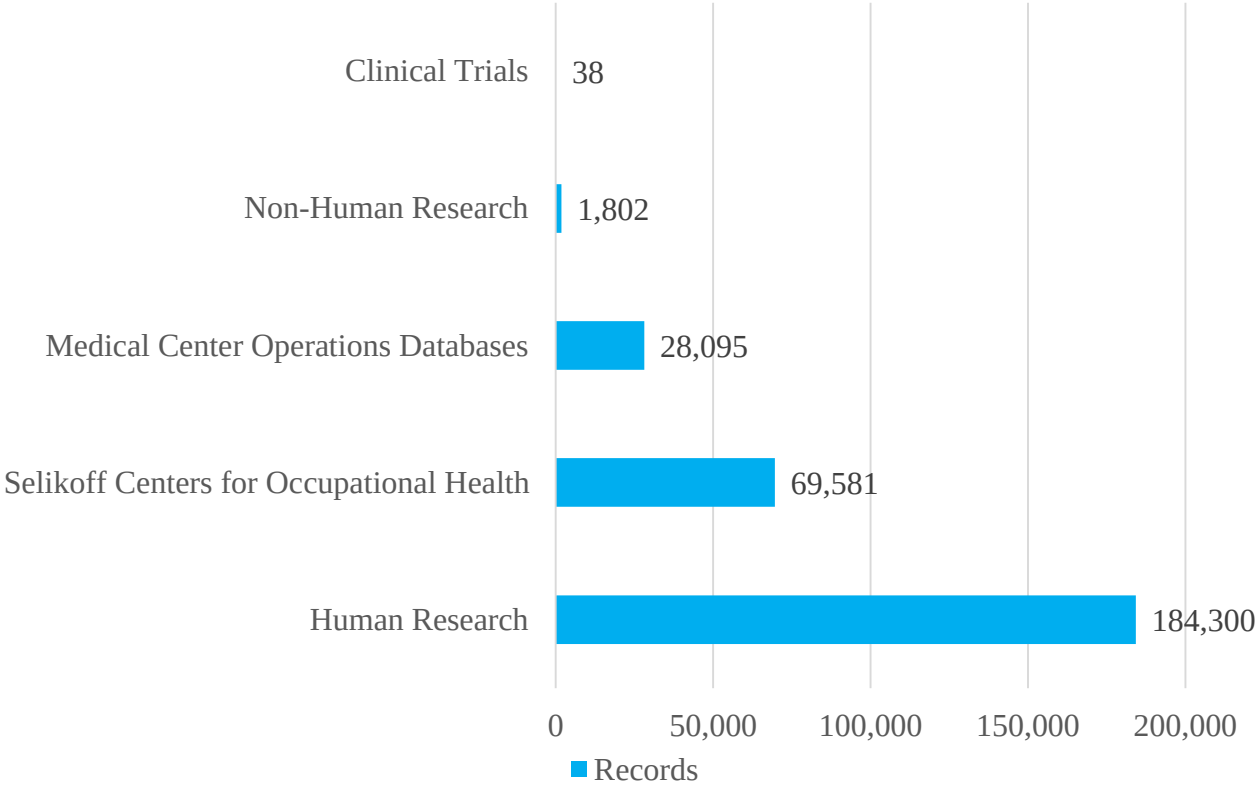
of New Databases eRAP



Total number of donor records in eRAP

# of Records	Application
2,617,946	Human Research
1,238,572	Selikoff Centers for Occupational Health
811,434	Medical Center Operations Databases
32,957	Non-Human Research
13,345	Clinical Trials
4,714,254	**Total Donor Records**

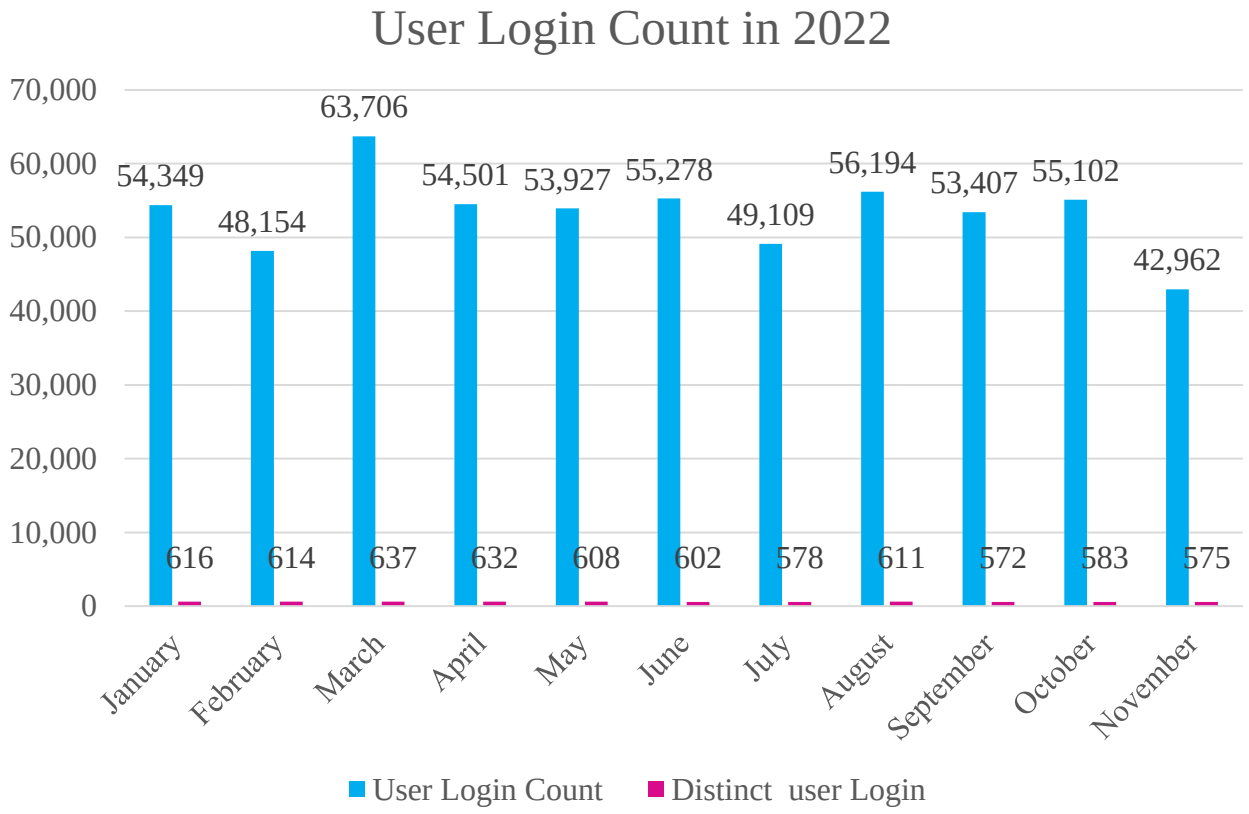
eRAP New Donor Records – Past 6 Months



283,816 total new donor records

eRAP User Logins

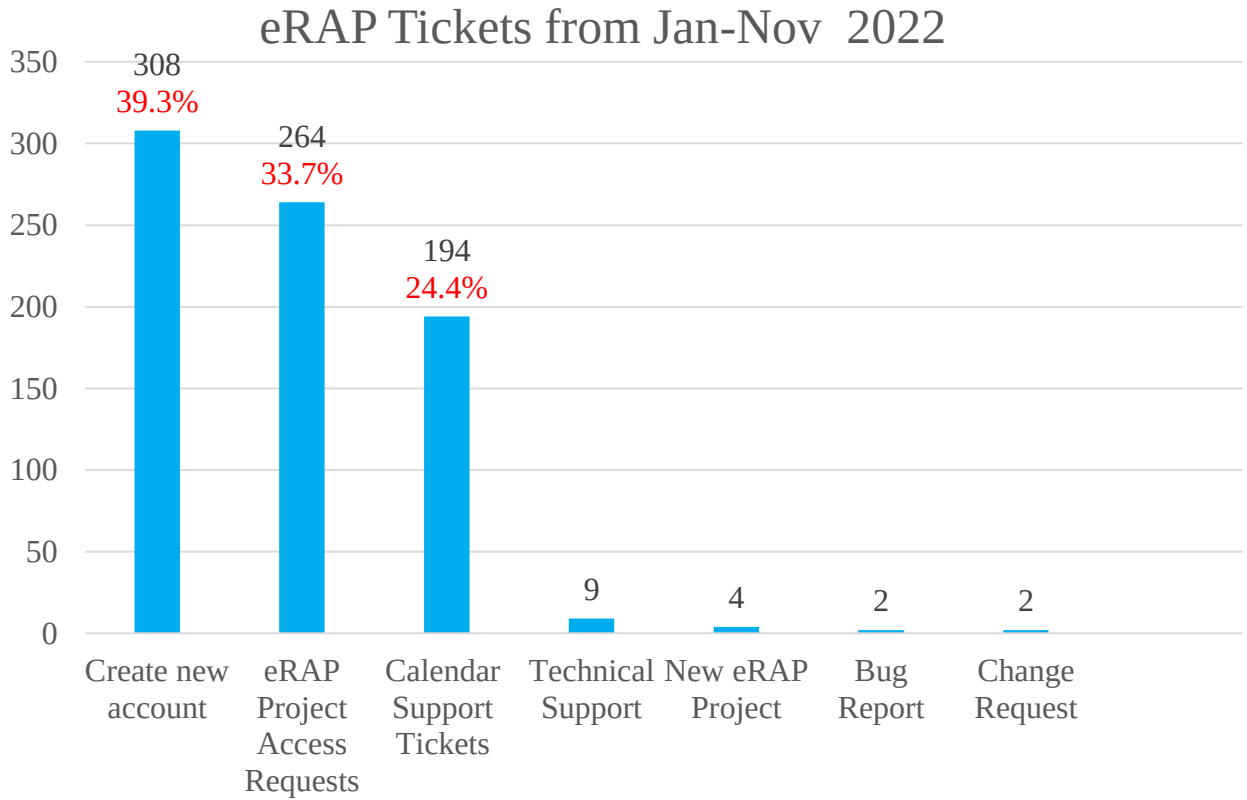
of unique users



586,689 total logins (Jan to Nov)

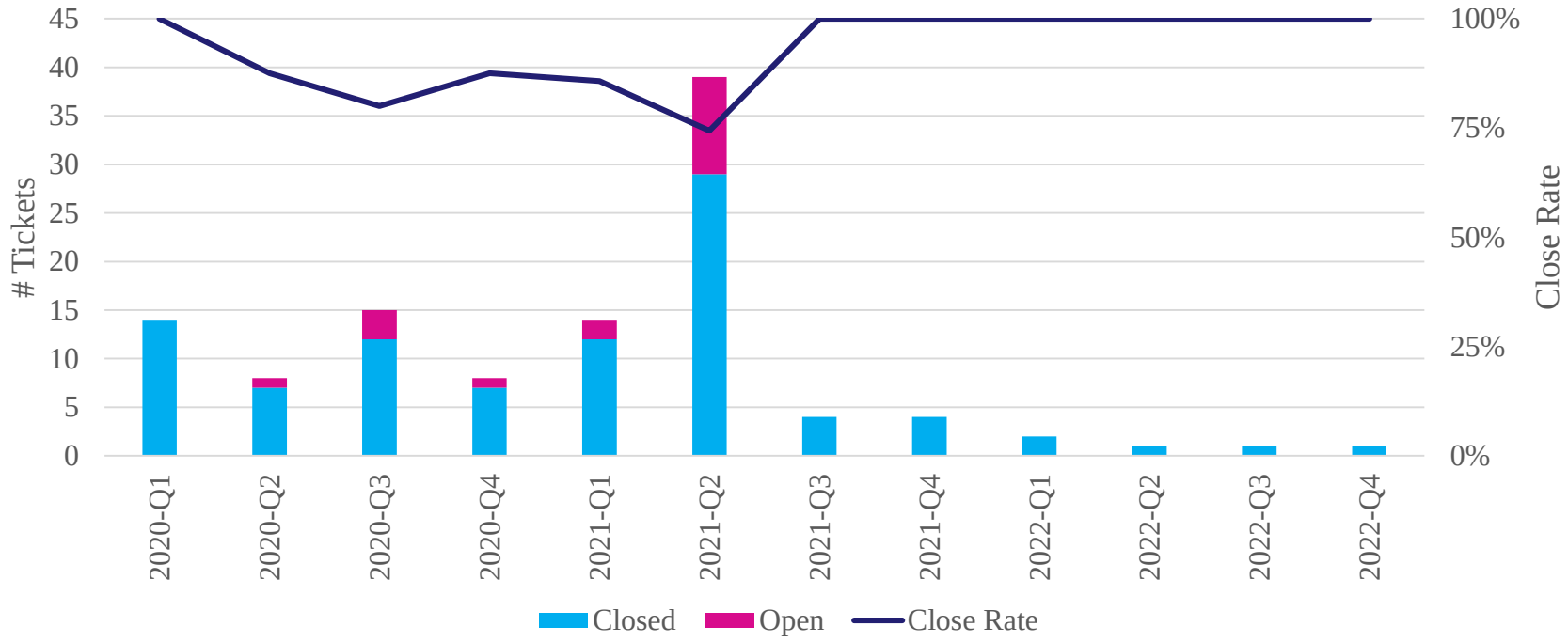
- 366 new users
- 1,042 active users
- 5,852 deactivated users

eRAP Ticket Breakdown by Request Type



783 total tickets (Jan to Nov)

eRAP Reported Bugs



eRAP Calendar Activity – Equipment (01/01/2022 – 12/01/2022)

# Appointments	PI	Department
1,083	Eric Nestler	Neuroscience
916	Jonathan Cohen	Center for Comparative Medicine and Surgery
419	Yasmin Hurd	Psychiatry
318	Margaret Baron	Hematology-Oncology
245	Scott L Friedman	Liver
213	Dirk Homann	Diabetes, Obesity and Metabolism Institute
210	Bruce Gelb	Pediatrics
91	Ramon Parsons	Oncological Sciences
4	Jordi Ochando	Nephrology
2	Venugopalan Nair	Psychology

eRAP Calendar Activity – Room
(01/01/2022 – 12/01/2022)

# Appointments	PI	Department
3,127	Jonathan Cohen	Center for Comparative Medicine and Surgery
61	Scott L Friedman	Liver
30	Ramon Parsons	Oncological Sciences

194 total support tickets for room/equipment scheduling

Migrate Room and Equipment Scheduling to Institutionally Supported Platforms

Transition to Robin for room scheduling

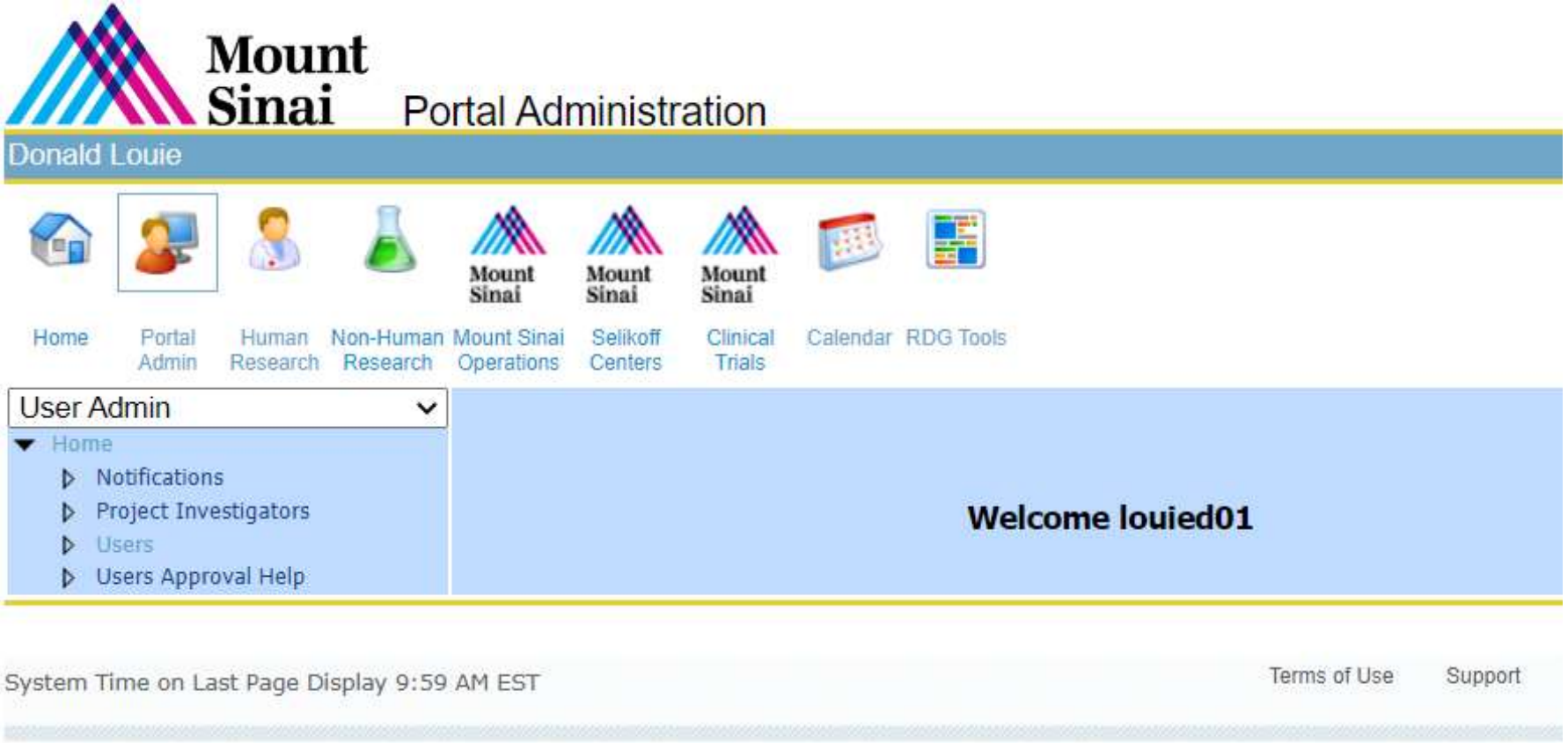
- All room scheduling will transitioned to Robin application by March 31st , 2023
- We are working with Digital Technology Partner (DTP) department who will be managing the set up groups and rooms in Robin
- Existing room booking cannot be transferred so there will be a cutoff date for scheduling in eRAP once all rooms are set up in Robin
- We have contacted room owners (listed in eRAP) who will be working with DTP to administer the users and roles in Robin
- Kelly Zerella will lead the effort for Robin

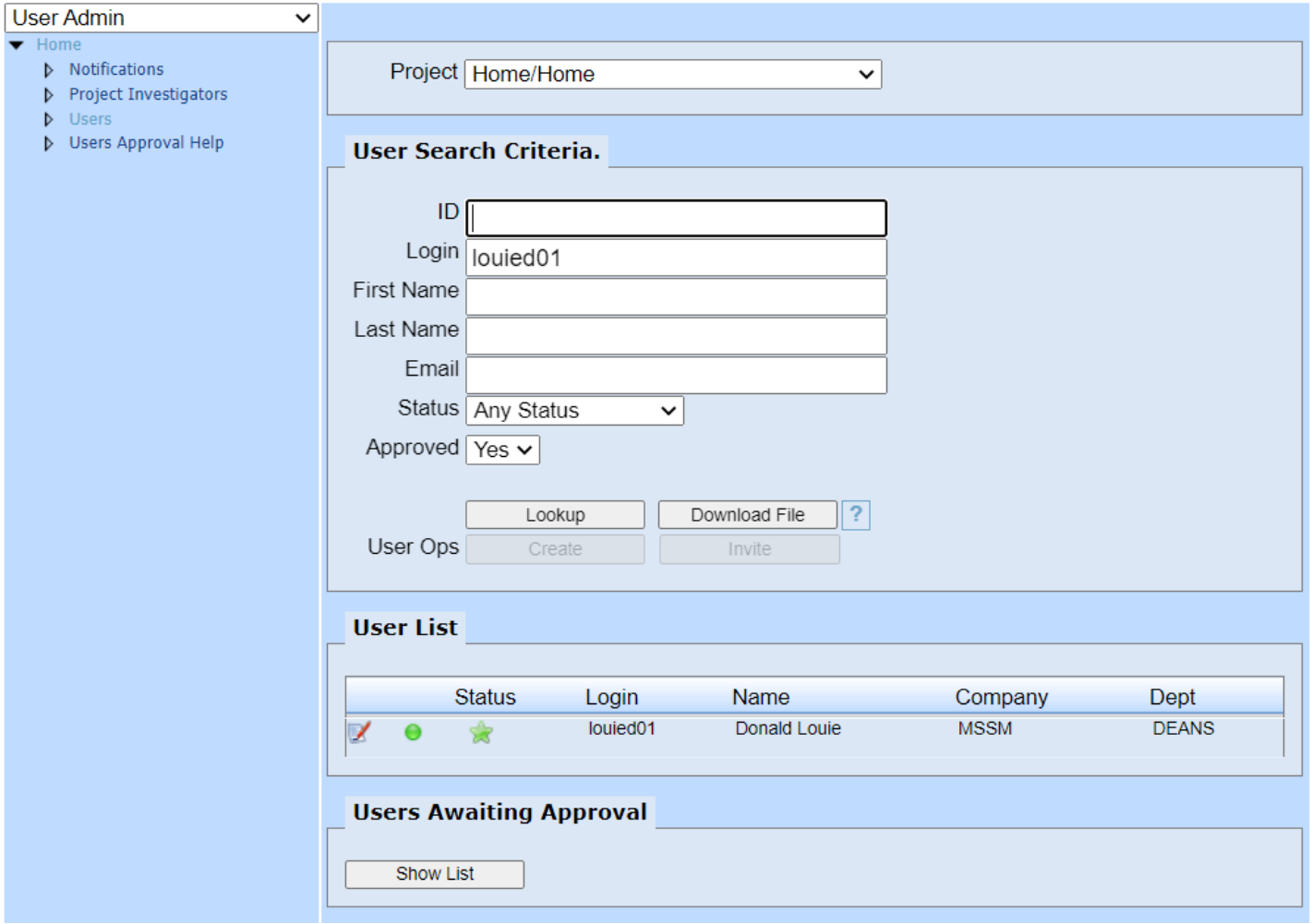
Transition to iLAB for instrument booking

- All instrument and equipment bookings will be transitioned to Agilent iLAB application by March 31st 2023
- iLAB application is maintained by the Dean's CoREs facility iLAB cost is based on revenue subscription model
  - lowest level is $5,000/year
  - tiers depend on instrument charge fees (if used)
- Identified 44 instruments that have been booked in 2021 -2022
- Shekhar Patil will lead the effort for iLab

Migrate User Access to Project Owners

- Problem: 75% of all support tickets are related to managing users and projects, roughly five tickets per day
- Solution: Empower project owners to manage user access to save time
- Project owners will be able to:
  - Add new users, assign users to projects, deactivate users
- Deployment Steps:
  - eRAP team must validate the project administration dashboard
  - Project PIs MUST appoint a project owner to manage user access for their project
  - We need friendly users to help validate and test out the process
  - eRAP team will develop web documentation and hold a training session for the project owners
  - Development to be completed by Q1-2023
  - Deployment targeted for May 1, 2023


Mount Sinai
Portal Administration
Donald Louie
Home
Portal Admin
Human Research
Non-Human Research
Mount Sinai Operations
Selikoff Centers
Clinical Trials
Calendar
RDG Tools
User Admin
Home
Notifications
Project Investigators
Users
Users Approval Help
Welcome louied01
System Time on Last Page Display 9:59 AM EST
Terms of Use
Support


User Admin
Home
Notifications
Project Investigators
Users
Users Approval Help
Project
Home/Home
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ID
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First Name
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Email
Status
Any Status
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Yes
Lookup
Download File
?
User Ops
Create
Invite
User List
Status
Login
Name
Company
Dept
louied01
Donald Louie
MSSM
DEANS
Users Awaiting Approval
Show List

Incoming eRAP Projects

- Creating New Operational Project for Corporate Compliance tracking providers' database
  PI Claudia Mantia
  - The project will validate providers' expenses and generate reporting for admins

- Working on implementation for New eRAP Project Platelets and Healthy Aging PI Ernest Turro
  - The purpose of this research study is to discover the genetic factors that determine how platelets in people's bloodstream form clots in later age increasing risks such as heart attack, stroke and dementia. Eligible BioMe® Biobank Program participants will be invited to enroll in this study

Q1 Plan Summary

- Move room scheduling projects to Robin
- Move equipment scheduling projects to iLab
- Integrate Cancer Biorepository with eRAP
- Rewrite Login/Authentication - Move all users to Active Directory, notify local accounts' users
- Remove Change Password functionality
- Improve project administration process and automate support as much as possible
- Prepare training materials for project owners
- Issue user survey .

Wrap-up: Focusing on eRAP Sustainability

- Focusing on unique capabilities of eRAP
- Migrating non-unique eRAP capabilities to institutionally-supported platform (iLab and Robin)
- Enabling projects to manage their own users, resulting in faster user onboarding
- Automating processes for operational tasks to improve productivity
- Hiring additional eRAP developers remains challenging; we have a position open and are actively recruiting

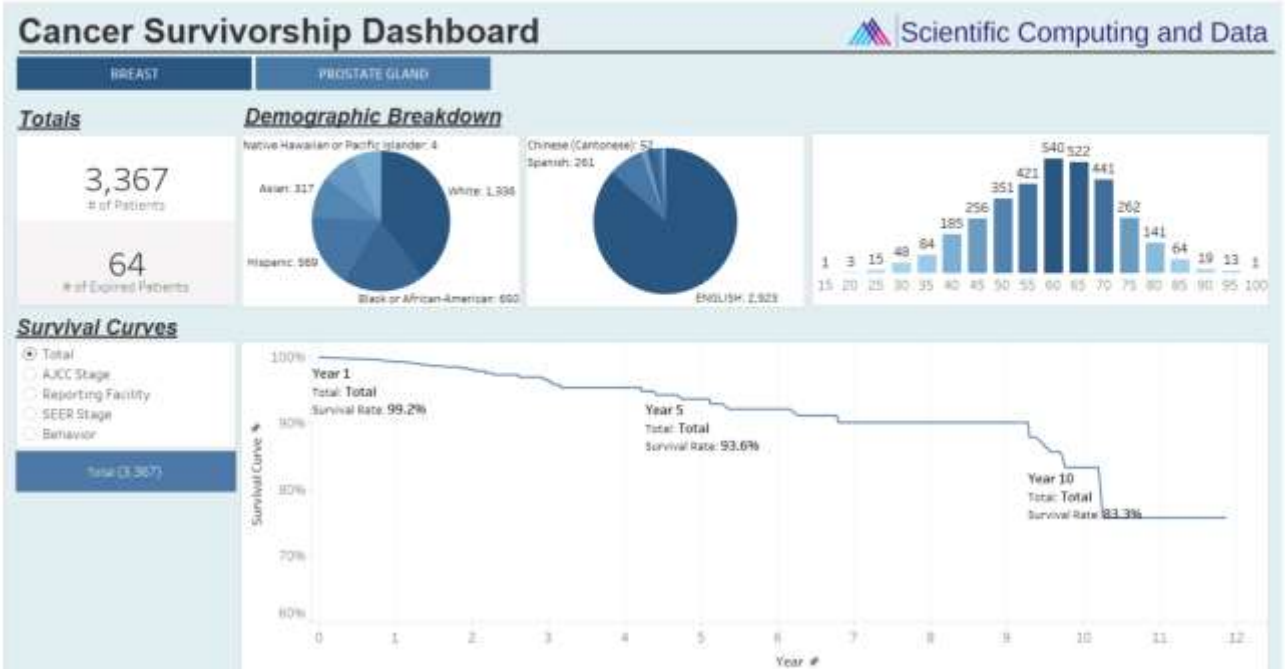
Feedback & Discussion

Q1: Some users have requested Tableau dashboards. How much interest do you have in the ability to create dashboards from eRAP data using Tableau?

Q2: What guidance do you have for us to streamline the deployment of user administration by project owners?

Example for Tableau

Prostate Cancer Survivor Dashboard



Please connect with eRAP team if interested to learn more

Thank you!

Instrument & Room Scheduling

Equipment actively scheduled using eRAP includes:

- BD LSRFortessa X-20 Cell Analyzer
- BioRad CFX96 Touch Real-Time PCR Detection System
- GE ImageQuant LAS 4010 Camera System
- Leica DM5500 Slide Microscope MD Spectramax M5e Microplate Reader
- Miltenyi Biotec gentleMACS Octo Dissociator
- Roche LightCycler 480 PCR System
- TF Scientific Attune NxT Flow Cytometer
- TF Scientific EVOS FL Inverted Scope w/Camera
- TF Scientific QuantStudio 5 Real-Time PCR System
- TF Scientific Sorvall LYNX 4000 Centrifuge
- Zeiss Axio Observer Inverted Microscope
- Zeiss LSM 780 Invert
- Zeiss Observer 7 Inverted Microscope

29 rooms