# Workshop on Management of Large CryoEM Facilities User Management at SEMC

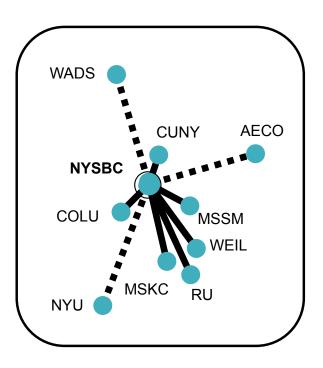
Edward T Eng | Carl Negro February 6, 2017

New York Structural Biology Center





### About the center









X-Ray





EΜ



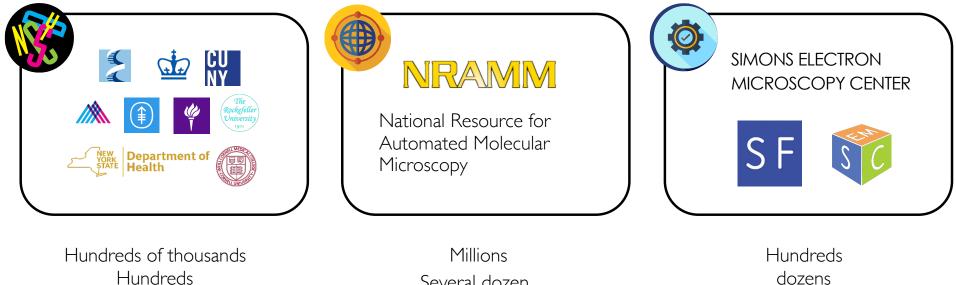




Special Projects Group

COMPAA (Membrane Proteins)

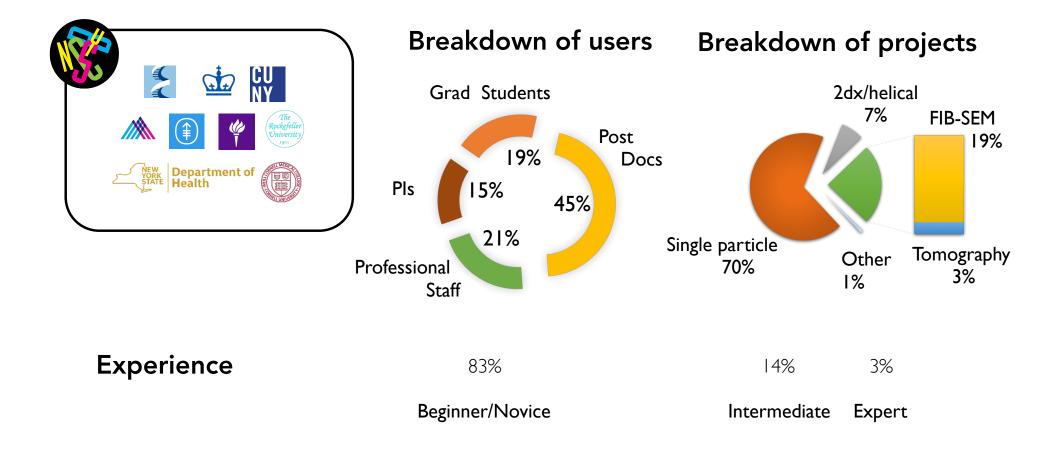
### Our user base



Several dozen

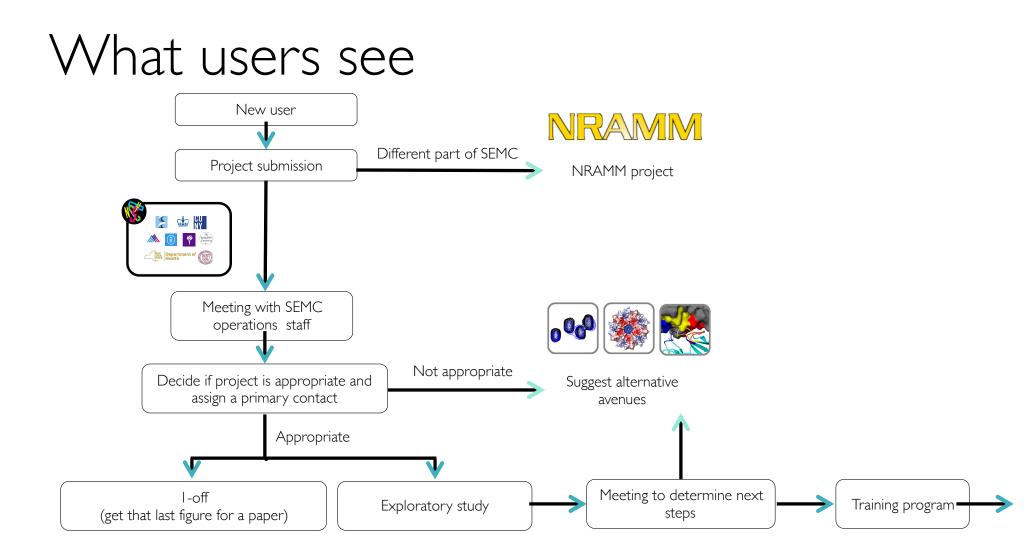
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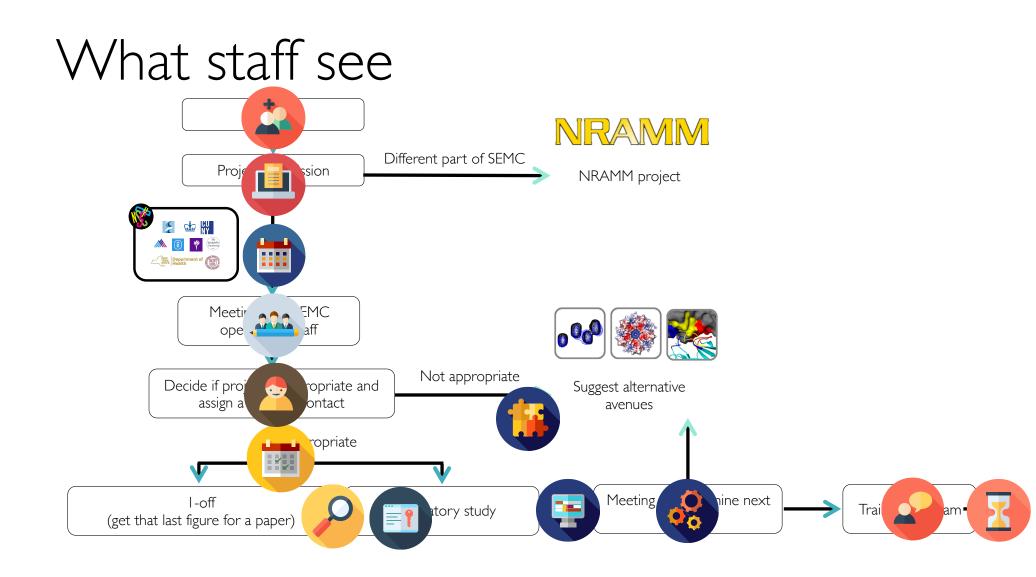
# Our user profile



### User management







# A scalable user management platform

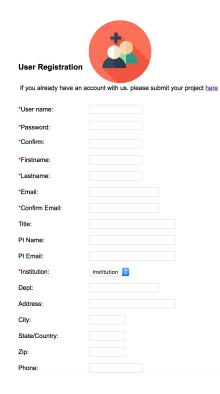
### DEON backend



Django is a free and open-source web framework, written in Python, which follows the model-viewcontroller (MVC) architecture. It is maintained by the Django Software Foundation.

### DEON interfaces with existing databases

#### New user registration



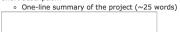
New project registration



\*Username: \*Password:

#### Brief description of the proposed project





Funding Status for project:

 a. PI, grant number, funding source,
 b. Term of funding.

Description of the project:
 a. General description of the biological problem

Project & User tracking



#### EMG User Project Summary

▶ Filters

•

Dptions

#### ؇ Apply 🧔 Clear

1	#	Status	Subject	Assignee	Primary User Name	Institution	PI Name
	4745	Pending				Misc	
	3992	New		Ashleigh Raczkowski	Jacobarg Marg	MSKC	Conception and Conception of C
	3696	Active		Ashleigh Raczkowski	Name of Street, or	CUNY	
	3694	Active		Ashleigh Raczkowski	Name Of Street, or	CUNY	-
	3279	Dormant		Ashleigh Raczkowski	10.00	NYU	
0	3916	Dormant		Ashleigh Raczkowski		RU	
	3420	Dormant		Ashleigh Raczkowski	Acres 1	COLU	(
	3695	Active		Ashleigh Raczkowski	Name Of Street, or	CUNY	
	3914	Dormant		Ashleigh	Transition (Constraint)	NYU	

# DEON backend web interface



#### Django administration

#### Site administration

AUTHENTICATION AND AUTHORIZATION							
Groups	+ Add	🖋 Change					
Users	+ Add	🖋 Change					

DEONDB		
Booked Users	+ Add	🤌 Change
Leginon Projects	+ Add	🤌 Change
Leginon Users	+ Add	🤌 Change
Redmine Users	+ Add	🤌 Change

KRIOS MANAGER		
Cassettes	+ Add	🖋 Change
Grid Box Locations	+ Add	🤌 Change
Grid Drop-Off Events	+ Add	🤌 Change
Grids	+ Add	🤌 Change
Instruments	+ Add	🤌 Change
Organizational Affiliations	+ Add	🖋 Change
Payment Data	+ Add	🖋 Change

#### Django administration



WELCOME, EDWARD. VIEW SITE

ome > Deondb > Leginon Users

#### Select userdata to change

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### User tracking



#### **Pending Registration**

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135		See, and			COLU	0	0	0	$\checkmark$	$\checkmark$	$\checkmark$	
146	10000	(in spin or second	Task.	$(1+q^{2})_{1} < c_{1}(q^{2}) \leq (1+q^{2})^{2} (1+q^{2}) < c_{2}(q^{2}) \leq (1+q^{2})^{2} (1+q^{2}) \leq (1+q^{2})^{2} $	MSSM			0	$\checkmark$			
147	-	100	Statistics .		RU	0	0	0		$\checkmark$		0
148	(Instruction)	1000	Personal	1111, para 1000 para 110	NYU			0	$\checkmark$	$\checkmark$	$\checkmark$	
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#### Project tracking



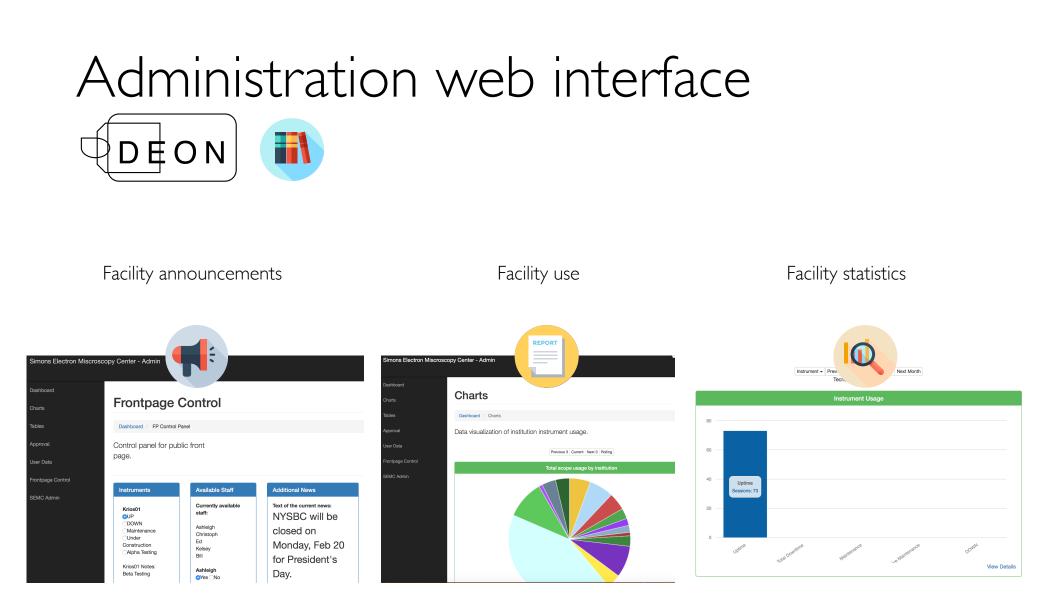
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No Action

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Pending Projects									
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### A scalable user management platform





# Simons Electron Microscopy Center



Anchi Cheng Sargis Dallakyan Res. Staff Scientist Res. Programmer



Yong Zi Tan Grad, Student



Bill Rice EM Manager





Ed Eng Ashleigh Raczkowski Kelsey Jordan Staff Scientist Senior Technician Technician





Phil Baldwin Staff Scientist







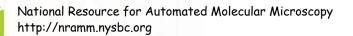
Director

Priyamvada Acharya Giovanna Scapin Embedded Post Doc. Embedded Scientist Embedded Post Doc.





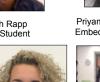
Crystal Premo Administrator







Micah Rapp Grad Student



Technician



Laura Kim

**Research Associate** 

