



# Roundtable4 : EM challenges and new frontiers

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Pisticci, 125 La Salle St, New York, NY 10027

### Appetizers:

- Tortellini en Brodo (v)
- Pisticci Farm Salad (v)
- Insalata Cipolle Fagioli (v)

### Entrees:

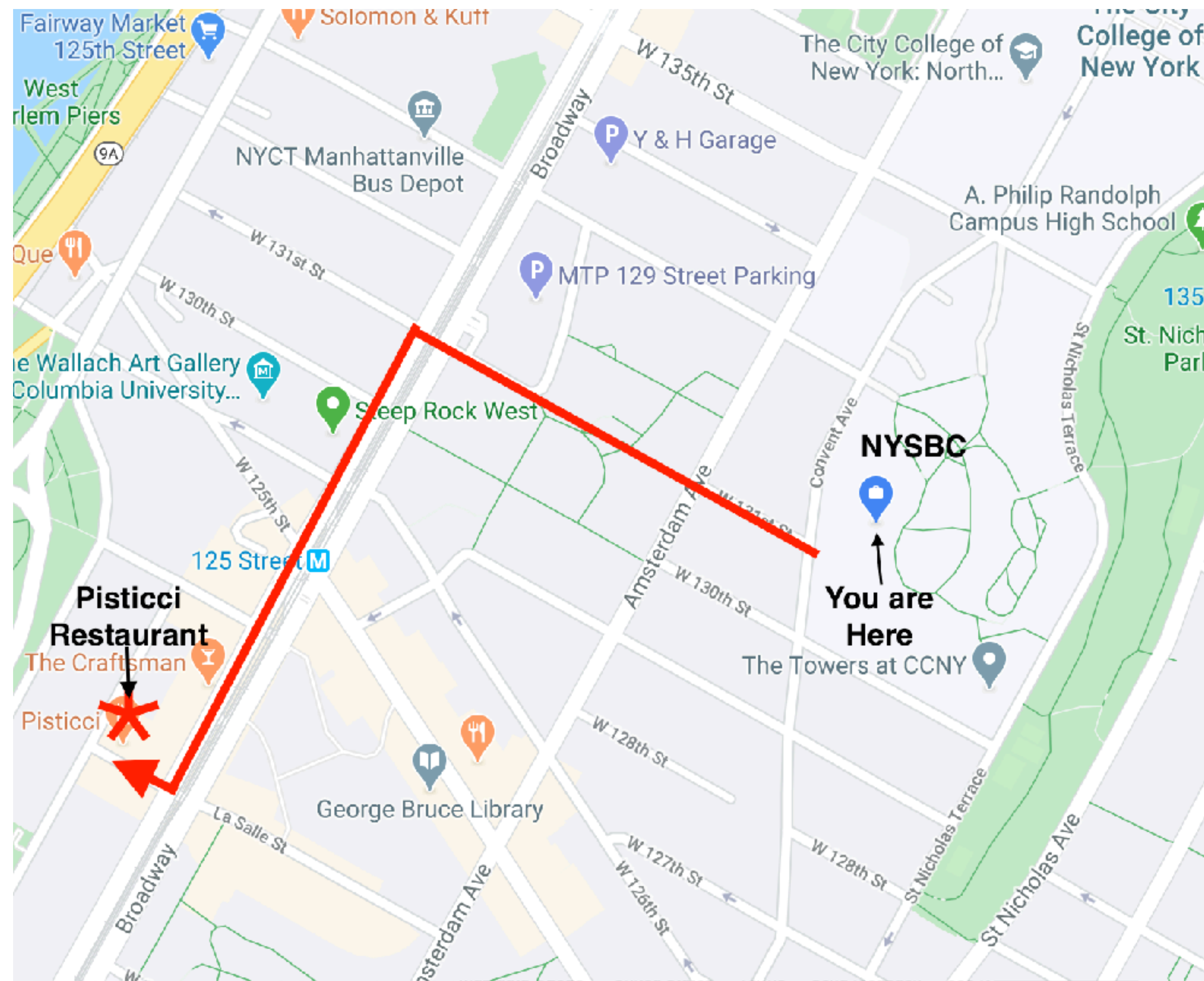
- Penne Integrale Alla Giardinera (v)
- Baked Tilapia
- Citrus Chicken Paillard

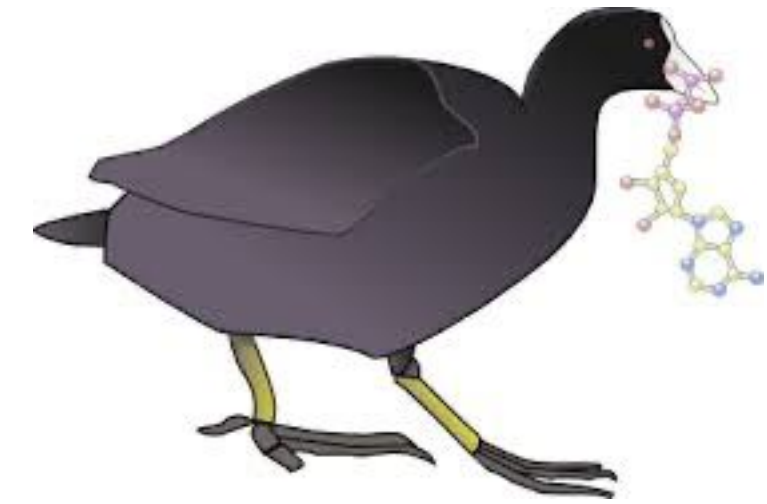
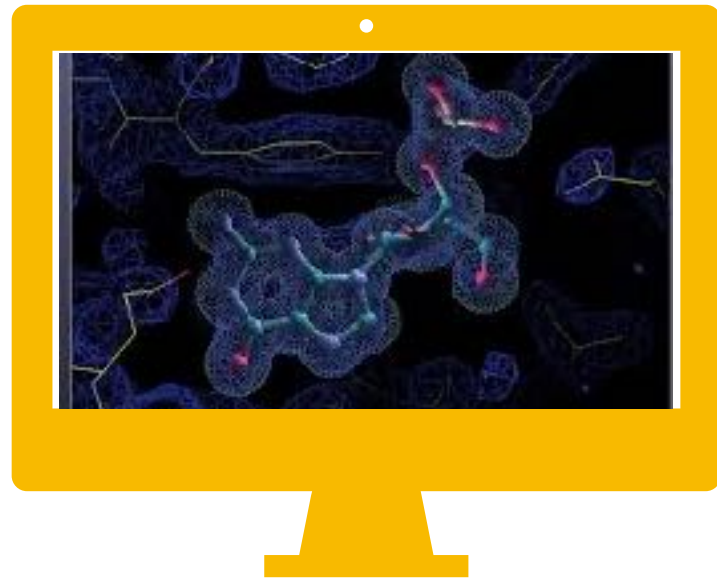
### Dessert:

- Tiramisu
- Artisanal Gelato

The House Wine and Beer open bar package includes; house wines, beers, soft drinks, juices, coffee and teas

<http://www.pisticciny.com>





Download and install Coot 0.9-pre, which is available as part of CCPEM (<https://www.ccpem.ac.uk/download.php>)

Nightly build preferable. If they have Windows, or for some reason cannot install 0.9-pre, we can make do, but 0.9-pre has some specific features for cryoEM, so is preferred. Also tell the students to download and install the nightly build of UCSF Chimera, which will be used for initial rigid body fitting.



# Roundtable (mini) : Results, resolution and EM maps

*NCCAT SPA short course  
March 5, 2020*





**<http://100.24.200.156:39000>**



**email: [test@appion.org](mailto:test@appion.org)**  
**password: appion2019**



# Practical 4: The results.

## Tasks. 1:30pm-2:45pm

- 1) Form a group of 3 with your fellow students
- 2) Come up with a group name (and logo if desired)
- 3) Create a slide with:
  - A) 2D class averages
    - Annotate: how many particles used?  
How many particles in the first 4 - 2D classes? Box size?
  - B) Best map
  - C) FSC curve
  - D) Map docked with a pdb
    - Annotate: which pdb used
- 4) Run 3D FSC - <https://3dfsc.salk.edu>
- 5) Run a reslog plot (cryoSPARC)

**At 2:45pm we'll go over the results / 5 min per group**



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- 1) Apo Ferrets - 2.44Å**
  - 2) One in Chameleon - 2.45Å**
  - 3) 3B - 2.64(2.49)Å**
  - 4) (F-1)SC - 2.47Å**
  - 5) European imports - 2.45Å**
  - 6) We Google what we don't know - 2.44Å**