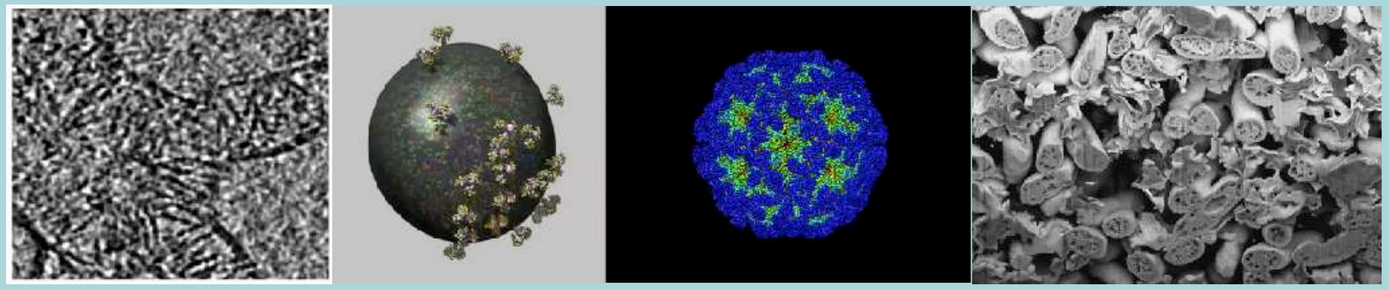
2023 Winter-Spring EM Course

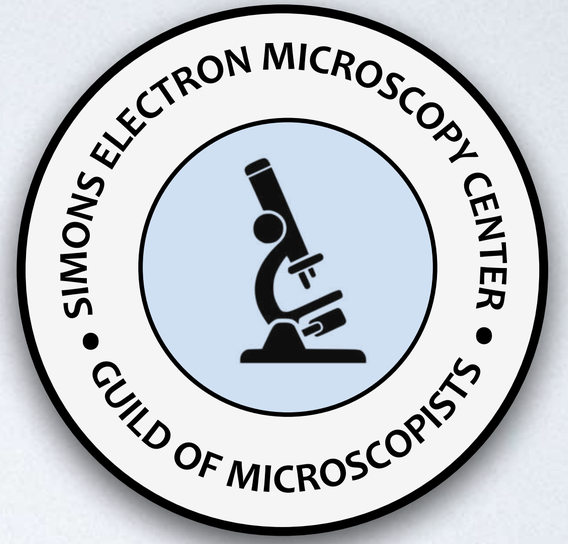


JANUARY 9, 2023

EDWARD T ENG

Welcome to electron microscopy at SEMC

1. Welcome new students
2. Course logistics
3. Poll / Zoom Picture
4. Hybrid classroom



NMR

CoMD/ NMR

X-ray

NYX @NSLS-II

Protein Production

COMPPÅ

NIH P41 - National Biomedical Technology Research Resources (BTRR)

National Synchrotron Light Source II

BROOKHAVEN NATIONAL LABORATORY

19-ID NYX

National Center for CryoEM Access and Training 2019

National Center for In-situ Tomographic Ultramicroscopy 2020

Simons Machine Learning Center 2020

Simons Resource for Automated Molecular Microscopy 2022

NYSBC Member Electron Microscopy Center 2022

photo by Swapnil Bhatkar

NMR

CoMD/ NMR

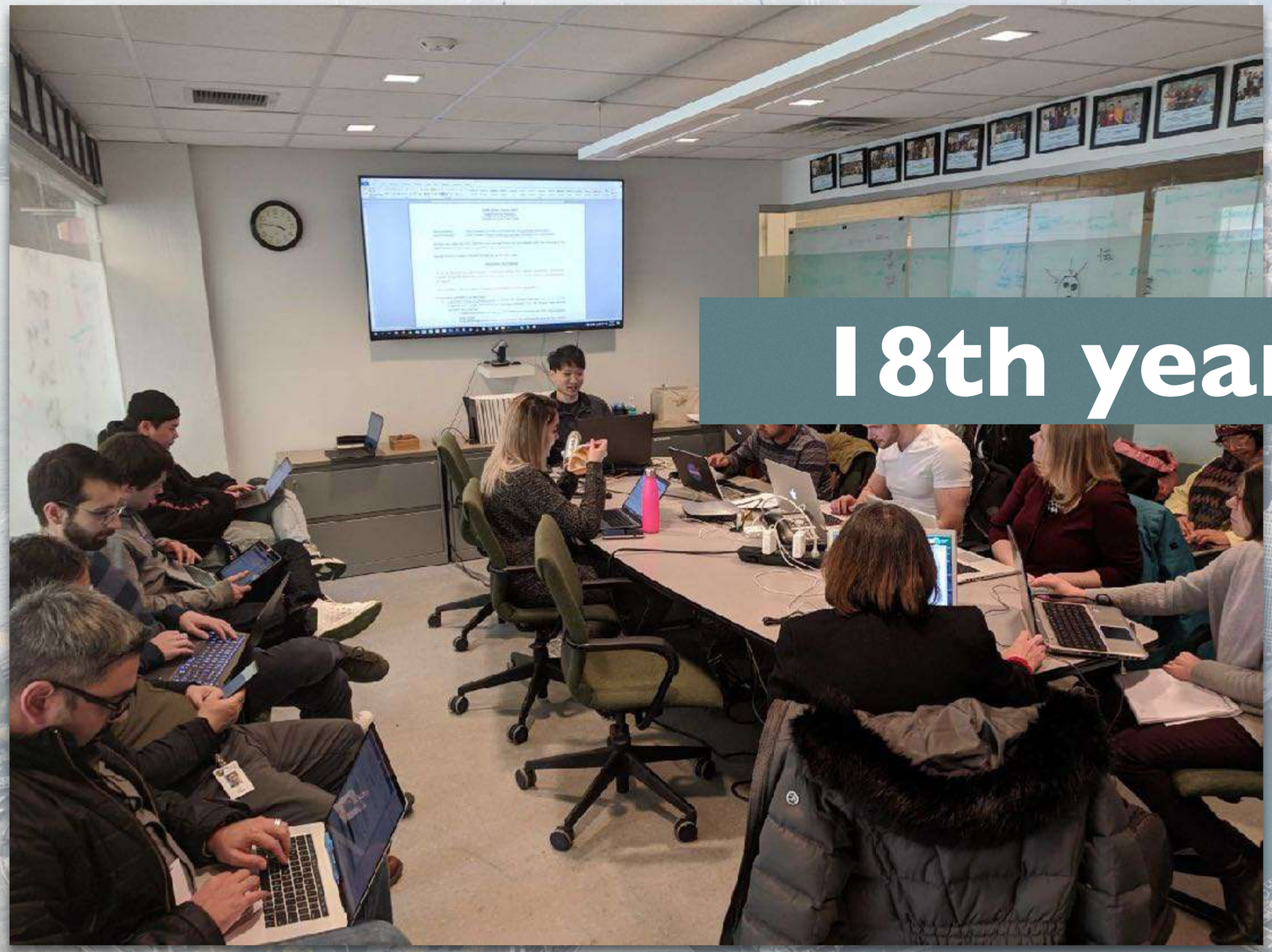
X-ray

NYX @NSLS-II

Protein Production

COMPPÅ

NIH P41 - National Biomedical Technology Research Resources (BTRR)

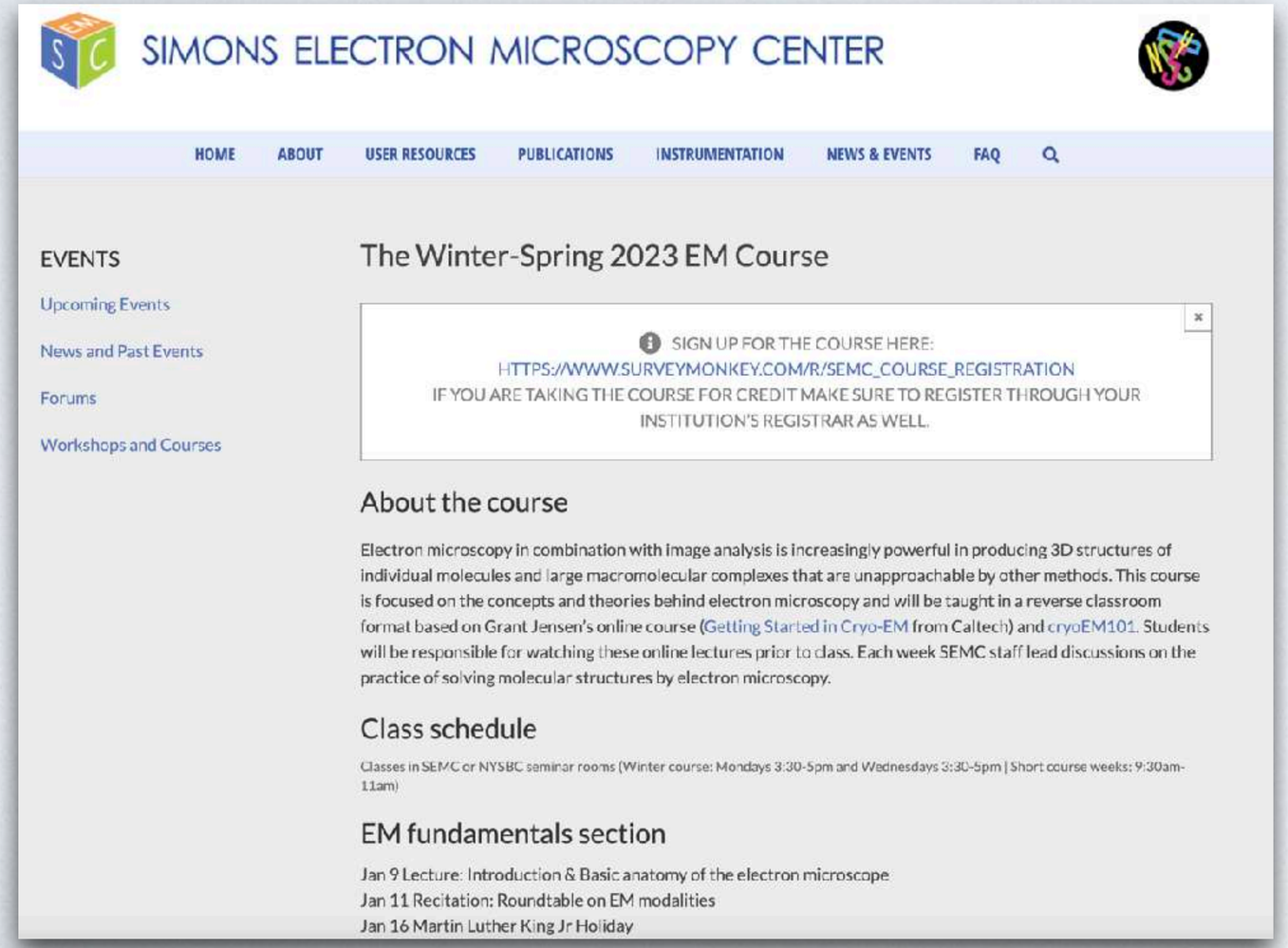


18th year of the course

photo by Swapnil Bhatkar

Course logistics: main website

semc.nysbc.org/the-winter-spring-2023-em-course/



Course Administrator:

Ed Eng (eeng@nysbc.org)

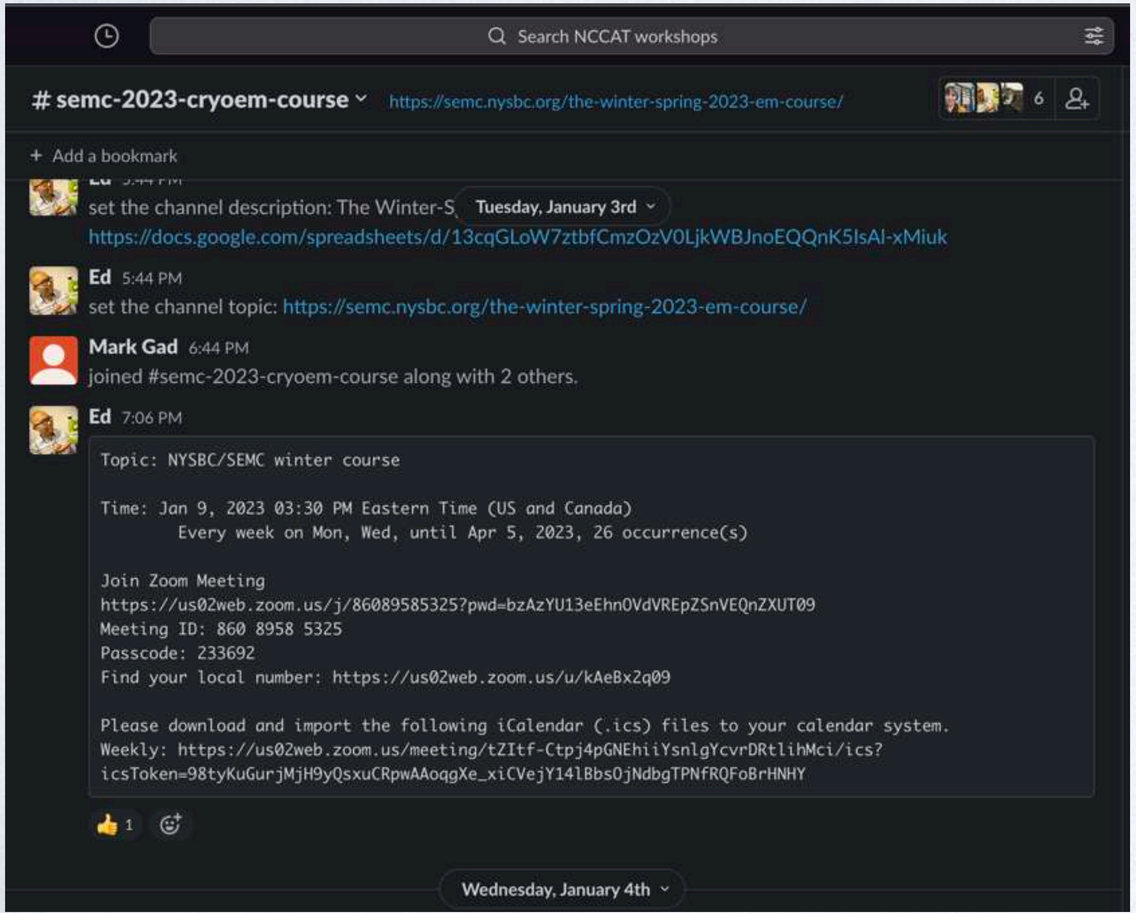
Teaching Assistants:

Mahira Aragon,
Zephan Melville
Christina Zimanyi

Course logistics: main website

Make sure you're on the email list!

Class Slack channel
#semc-2023-cryoem-course



Course Administrator:

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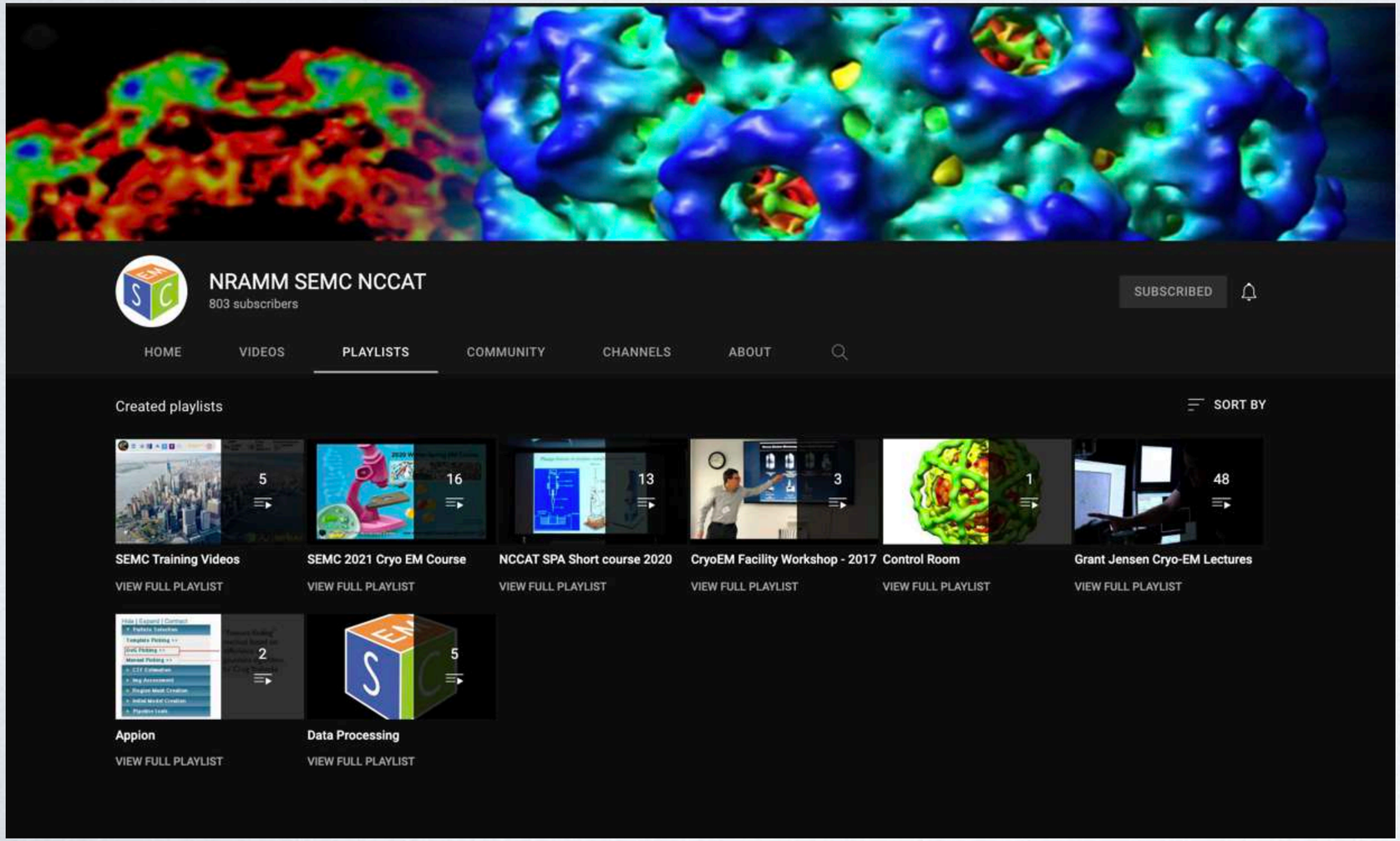
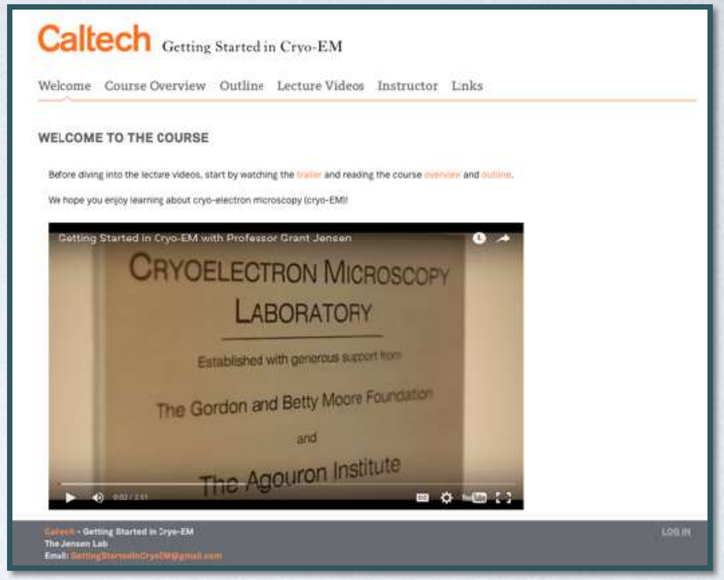
Christina Zimanyi

Course logistics: resources

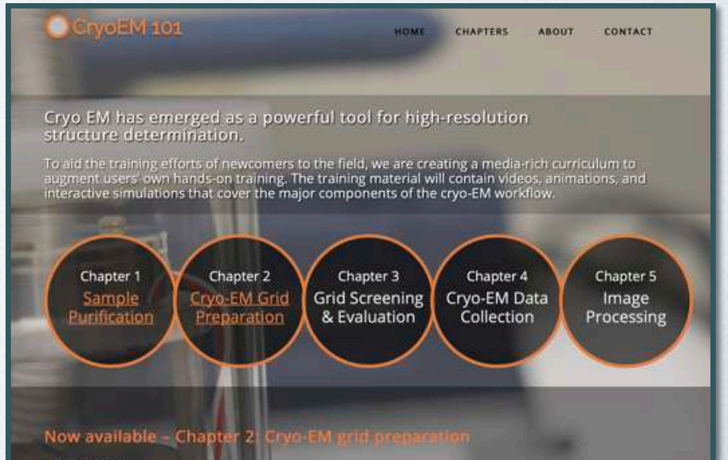
youtube.com/nrammsemc



cryo-em-course.caltech.edu/videos



cryoem101.org



Course logistics: main topics

Section 1 : EM fundamentals

Section 2 : SPA

Section 3 : EM new frontiers

Section 4 : Tomography short course*
April 10-14

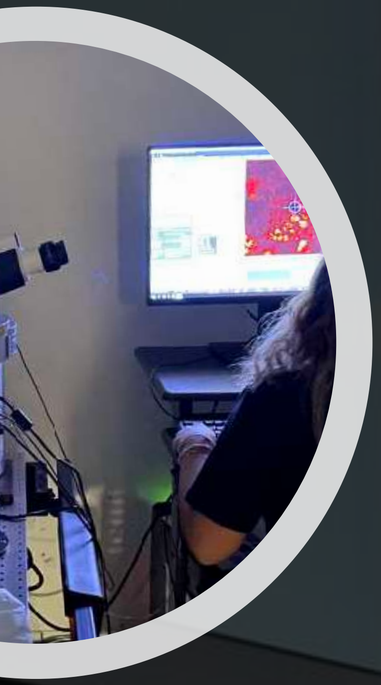
Course logistics: class for credit

Component	Percentage
Recitation/Participation	50%
- *JC/HW/questions*	
Practicals	10% x 3
Attendance	20%

Wednesdays
Starts at 4pm - SEMC conference room

Recitation schedule

To be decided upon



NCCAT - NCITU TOMO short course

April 10-14, 2023

1 WEEK SHORT COURSE

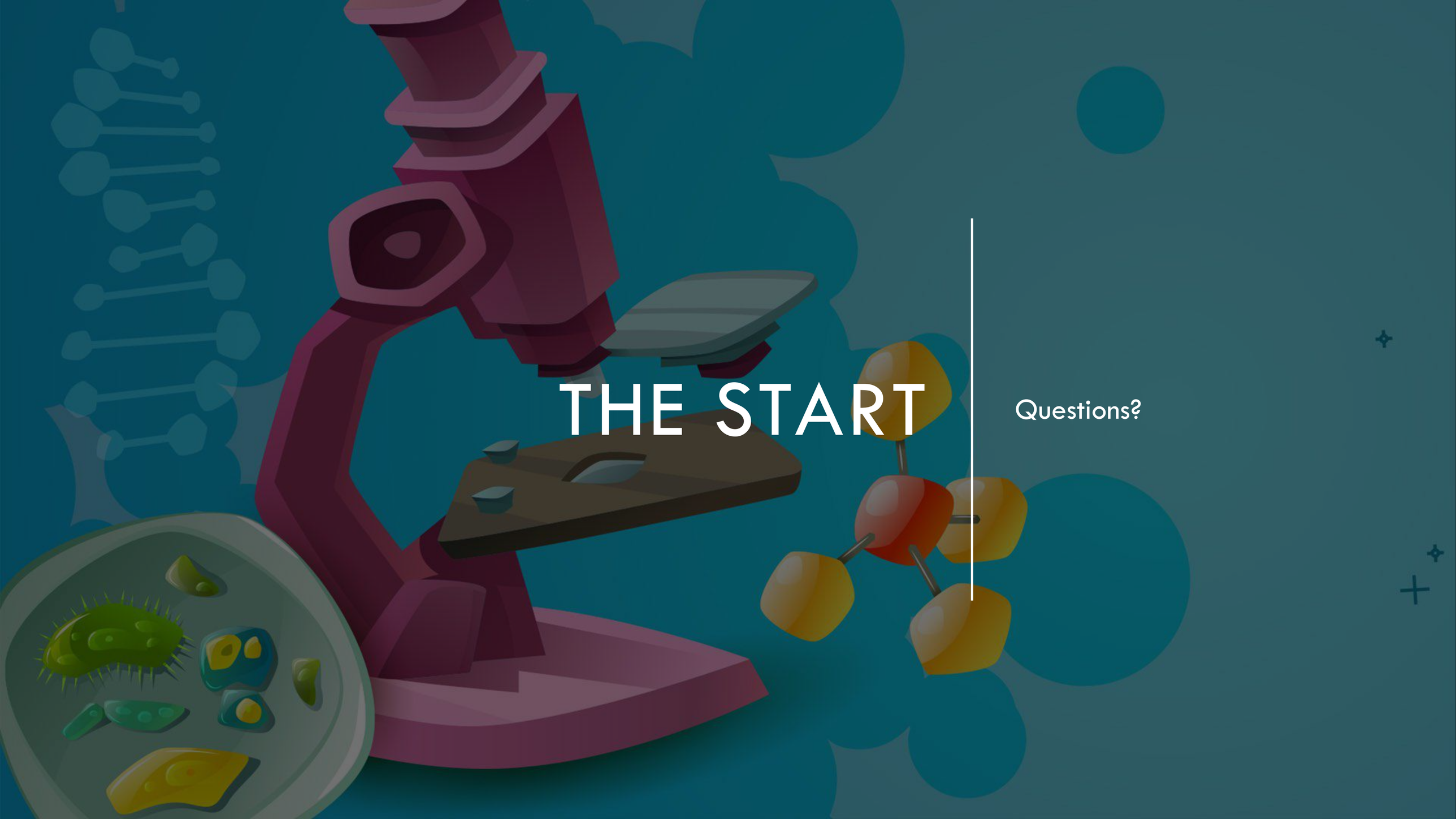
MORNING LECTURES & ROUNDTABLES

AFTERNOON HANDS-ON PRACTICALS


START


http://etc.ch/JSUj

http://etc.ch/JSUj



THE START

Questions?