

# Clinical Shadow Program

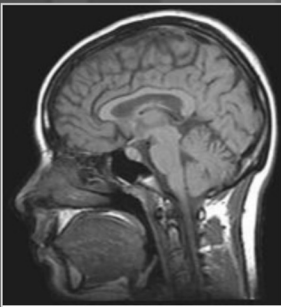
Methods in Medical Image Analysis - Spring 2024

16-725 (CMU RI) : BioE 2630 (Pitt)

Dr. John Galeotti



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## MIMIA Shadow Program 2023

Mon Mar 20, 2023 – Fri Apr 21, 2023

Please signup to visit each station exactly 1 time this semester. Be sure to not signup for 2 stations on the same day. I suggest signing up for Musculoskeletal first, and always unchecking the boxes for email-list advertisements. You will need to bring a copy of your signed UPMC Confidentiality form, and follow all instructions separately provided. Dress and act appropriately for the professional clinical environment you will be shadowing in, and come prepared with a few questions ready. Please enter your cell phone #, so UPMC secretaries can contact you if needed. COVID precautions are fully in place inside the hospital. You will need to be masked for the duration. Do

Find Spots By Date

Mar 20, 2023



Hide Full Spots

Show My Spots

▼ Mon Mar 20, 2023

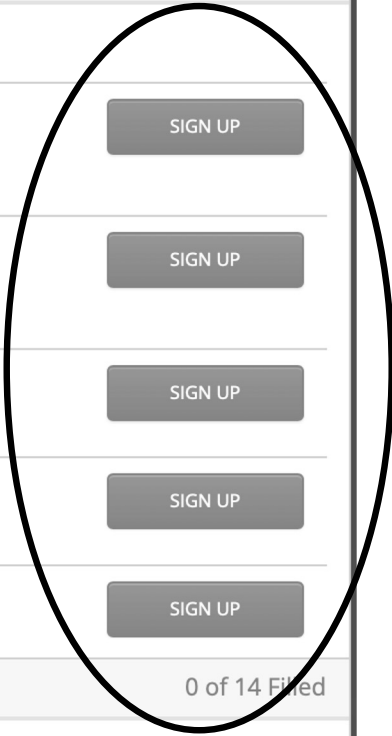
0 of 14 Filled

SPOT	TIME	FILLED	PARTICIPANTS	
<a href="#">▶ Abdominal Imaging (Body CT &amp; Ultrasound)</a> You should arrive early and ...	8:30am – 9:30am	0 of 3	🗨 (0)	<a href="#">SIGN UP</a>
<a href="#">▶ Musculoskeletal (Bone Group)</a> You should arrive early and ...	8:30am – 9:30am	0 of 2	🗨 (0)	<a href="#">SIGN UP</a>
<a href="#">▶ Neuroradiology</a> You should arrive early and ...	8:30am – 9:30am	0 of 3	🗨 (0)	<a href="#">SIGN UP</a>
<a href="#">▶ Nuclear Medicine</a> You should arrive early and ...	8:30am – 9:30am	0 of 3	🗨 (0)	<a href="#">SIGN UP</a>
<a href="#">▶ Thoracic Imaging</a> You should arrive early and ...	8:30am – 9:30am	0 of 3	🗨 (0)	<a href="#">SIGN UP</a>

▼ Tue Mar 21, 2023

0 of 14 Filled







SPOT	TIME	FILLED	PARTICIPANTS	
<a href="#">▶ Abdominal Imaging (Body CT &amp; Ultrasound)</a> You should arrive early and ...	8:30am – 9:30am	0 of 3	🗨 (0)	<a href="#">SIGN UP</a>
<a href="#">▶ Musculoskeletal (Bone Group)</a>	8:30am – 9:30am	0 of 2	🗨 (0)	<a href="#">SIGN UP</a>



Pick at *most* one per day

If you're already signed in, clicking a "SIGN UP" button leads to this:

MIMIA Shadow Program 2023  
Mon Mar 20, 2023 – Abdominal Imaging (Body CT & Ultrasound)      Quantity: 0 Spots / 3 Available

Name	Participant's Information
 John Galeotti 	<p><b>Keep at 1</b></p> <p>Name * <input type="text" value="John Galeotti"/> </p> <p># of Spots * <input type="text" value="1"/>  </p> <p>Email <input type="text" value="galeotti+signup@cs.cmu.edu"/></p> <p>Phone * <input type="text" value="Phone"/></p> <p><input checked="" type="checkbox"/> Count me in for updates and special offers from SignUp!</p> <p></p>

I suggest unchecking these box(es)

Don't forget to Save


I suggest logging into Signup.com before the signup opens, or else you will be delayed with this instead:


The image shows a modal window for the MIMIA Shadow Program 2019. The header contains the program name, date, and location, along with the quantity of spots available. The main content area prompts the user to identify themselves and offers social login options for Facebook and Google. Below these is a text input field for email, with the placeholder text 'you@example.com'. At the bottom, there are 'Cancel' and 'Continue >' buttons.

MIMIA Shadow Program 2019  
Wed Feb 27, 2019 – Body CT

Quantity:  
1 Spot / 3 Available

Please tell us who you are

 Sign in with Facebook

 Sign in with Google

or sign in with email

Email

you@example.com

Cancel Continue >

# Schedule: Signing Up

- Signup once for each of the 5 stations.
- You may only signup for 1 station per day.
  - You will sign up to shadow on exactly 5 different days
- Up to 2 students can simultaneously visit each station on a given day.
  - Exception: Musculoskeletal does not accept students on Wednesday or Thursday.
  - I suggest signing up for musculoskeletal first, since they have the fewest slots available
- If the radiologists' schedules suddenly do not comply, then we may have to notify you (with 1 week notice, if possible) that you need to reschedule for a given station.
  - This doesn't usually happen
- Open signup tonight at 8pm (Class poll?)

# Schedule: 8:30 AM


- You must be present from **8:30 - 9:30 AM**.
  - You should arrive early (8:00 am) and be prepared to wait.
- The radiologists are doing us a big favor by allowing us to come watch them.
  - They have real patients, and chaotic schedules.
  - Some of them will probably have to keep you waiting, but you should never keep them waiting.
  - Some of them may have to leave on a moment's notice as well.
  - Usually, you will be able to remain in the reading room (under someone else's "supervision" until 9:30 though).
- Hopefully the attending will start the readout with the residents sometime between 8:30 - 9:00am
  - If you miss the readout, just mention in your report that the readout never happened between 8:30 - 9:30.




# Other UPMC Requirements



- UPMC Confidentiality Forms
- MSK Requirements
  - Only 30 spots available
  - Only Mon/Tues/Fri, only 2 students at a time
  - Must have a resident or fellow on service
    - Mercedes and Tiffany can help coordinate with MSK schedules
  - All documentation and forms must be completed for the students to interact with patients
  - All visitors must adhere to the Department of Radiology/UPMC COVID polices



# Interacting with the clinicians: Be prepared in advance



- Have a set of questions to ask — feel free to be creative
- Sample questions are included at the bottom of the directions document—I suggest bringing it with you
- Pay close attention if the clinicians debate a patient’s diagnosis or condition.
- Come up with new questions based on what you are observing.





# DON'T MESS UP




It is *very* important that you do not make the clinicians regret letting you come:


- Dress and act appropriately for a professional clinical environment
  - Patients might think you are a doctor — don't make the patient's feel uncomfortable or distrust UPMC.
- Make sure you have a signed UPMC confidentiality agreement with you.
- If you are sick and contagious, you should not go
  - Keep the clinicians healthy
  - Please notify your instructor as soon as possible to reschedule without any penalty.

# DON'T MESS UP (continued)

- The first time you miss a station for which you are scheduled (without good reason), you may contact your instructor to reschedule for 50% credit for that station.
- If you do not show up a second time, you will be removed from the Shadow Program, get a 0 for all subsequent stations, and your instructor will be very unhappy with you.



# Follow-up assignment (once for each station)



After visiting *each* station, create a report that you will eventually upload to Canvas

- Format the path/file name as: shadow/station\_name.txt
- e.g.: bmia/shadow/abdominal\_imaging.txt

Include the following information:

- Your name
- The date of your visit
- Which station you visited
- Your short report ( $\geq 100$  words) about your visit:
  - What did you learn?
  - What role you see (either at present, or that you could see in the future) for computer analysis, visualization, or robotics/engineering in this branch of radiology?