



Appalachian Regional Microscopy Society



Monday, October 7, 2019 - Workshops

10:00 am - Noon

Workshop	Instructor	Organization
TEM heating stage	Kate Marusak	Protochips
Electron Beam Lithography	Talmage Tyler	Duke University
Advanced AFM Techniques		Oxford Instruments

Lunch: Box lunches available in the atrium of the Fitzpatrick Center

1:30 pm – 3:30 pm

Workshop	Instructor	Organization
Cryo Microtomy	Nancy Rizzo	Leica Microsystems
Microscopy Outreach: The Foldscope	Donovan Leonard	Oak Ridge National Laboratory
Energy Dispersive Spectroscopy	Warren Moberlychan	Oxford Instruments
Micro CT	Justin Gladman	Duke University
In Situ TEM heating stage	Kate Marusak	Protochips
Multi-App Critical Point Dryer	Hyun Park	Tousimis
Advanced AFM Techniques		Oxford Instruments

All workshops at the Fitzpatrick Center, Shared Materials Instrumentation Facility (SMiF)

Social Hour & Banquet

Hilton, 3800 Hillsborough Rd, Durham, NC 27705

(919) 383-8033

6:00 pm Social Hour

7:00 pm Dinner

Dinner Talk: Charles Welch, Duke Lemur Center





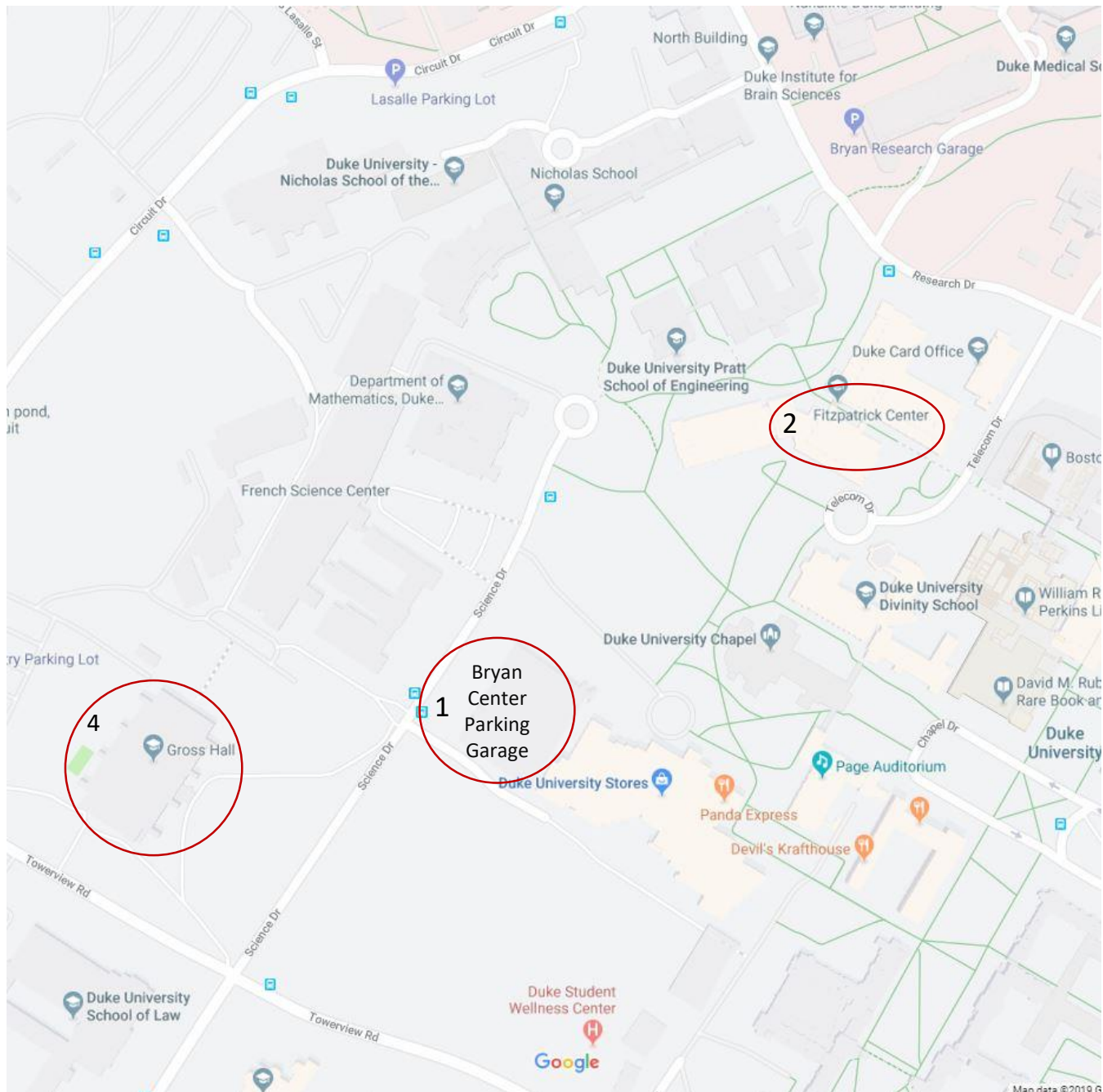
Appalachian Regional Microscopy Society

Tuesday, October 8, 2019 – AReMS Program

Gross Hall, 140 Science Drive, Durham, NC 27710 (919) 660-4300

Time	Talk/Event	Person
8:00-8:30 am	Registration	Sam Pennington/Rich Fiore
8:30-8:45 am	Welcome	Tessa Burch-Smith, University of TN, AReMS President
8:45-9:15 am	I Shut My Eyes in Order to See: Copepod Vision	Stan Kunigelis, Lincoln Memorial University
9:15-9:45 am	Automated Optical Microscopy	Zach Russell
9:45-10:00 am	Using EM to understand natural ultra-black materials	Alexander Davis, Duke University
10:00-10:30 am	Break	
10:30-11:00 am	Serial Blockface Imaging	Sara Miller, Duke University
11:00-11:15 am	Characterization of Graphene Nanowall Electrodes Using SEM	Tasso von Windheim, Duke University
11:15-11:30 am	Chronic microplastic exposure in a laboratory model fish	Melissa Chernick, Duke University
11:30-11:45 pm	Determining the fate of plasmonic nanoparticles in Arabidopsis thaliana	Vanessa Cupil-Garcia, Duke University
11:45-12:00	Explaining the Magnetic Properties of Oxygen Deficient LSMO Thin Films by iDPC	Aubrey Penn, NC State University
12:00-1:00 pm	Lunch Posters (viewing and judging)	(lunches for registered attendees)
1:00-1:30 pm	In Situ TEM Sample Heating	Jordan Moering, Protochips
1:30-2:00 pm	Cryo TEM	Joshua Straus, University of NC
2:00-2:30 pm	Awards & Business meeting	
3:00 pm	Lemur Center Tour, 3705 Erwin Rd, Durham	\$10/person, 919-401-7240
3:00 pm	Shared Materials Instrumentation Facility Tour	

AReMS Events Map



Monday, October 7, 2019

1. Parking: Bryan Center Parking Garage, \$12/day
2. Workshops: SMiF, Fitzpatrick Center (FCIEMAS), 101, Science Dr Room 1593, Durham, NC 27708 (919) 660-5486
3. Banquet: Hilton, 3800 Hillsborough Rd, Durham, NC 27705 (919) 383-8033 (not on map, about 3 miles from Duke University campus)

Tuesday, October 8, 2019

4. AReMS program: Gross Hall, 140 Science Drive, Durham, NC 27710 (919) 660-4300

Local Hotels

(listed from closest to farthest from Duke U)



1. JB Duke Hotel, 230 Science Dr, Durham, NC 27708 (919) 660-6400
2. Washington Duke Inn, 3001 Cameron Blvd, Durham, NC 27705 (919) 490-0999
3. University Inn, 502 Elf St, Durham, NC 27705 (919) 286-4421
4. Cambria Hotel, 2306 Elba St, Durham, NC 27705 (919) 286-3111
5. Hilton Garden Inn, 2102 W Main St, Durham, NC 27705 (919) 286-0774
6. Millennium Hotel, 2800 Campus Walk Ave, Durham, NC 27705 (919) 383-8575
7. **Hilton***, 3800 Hillsborough Rd, Durham, NC 27705 (919) 383-8033
8. Hampton Inn, 1542 N Gregson St, Durham, NC 27701 (919)688-8880
9. La Quinta Inn, 4414 Durham-Chapel Hill Blvd, Durham, NC 27707 (919) 401-9660
10. Courtyard, 1815 Front St, Durham, NC 27705 (919) 309-1500
11. Extended Stay America, 3105 Tower Blvd, Durham, NC 27707 (919) 489-8444
12. Holiday Inn, 2516 Guess Rd, Durham, NC 27705 (919) 313-3244
13. Residence Inn, 101 Erwin Rd, Chapel Hill, NC 27514 (919) 933-4848
14. Staybridge Suites, 3704 Mt Moriah Rd, Durham, NC 27707 (919) 401-9800
15. Sheraton, One Europa Dr, Chapel Hill, NC 27517 (919) 968-4900
16. Spring Hill Suites, 5310 McFarland Dr, Durham, NC 27707 (919) 403-1111

* Special rate for AReMS attendees



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