

*Please join us for the 2nd annual*

# Yale Day of Instrumentation

January 24, 2020

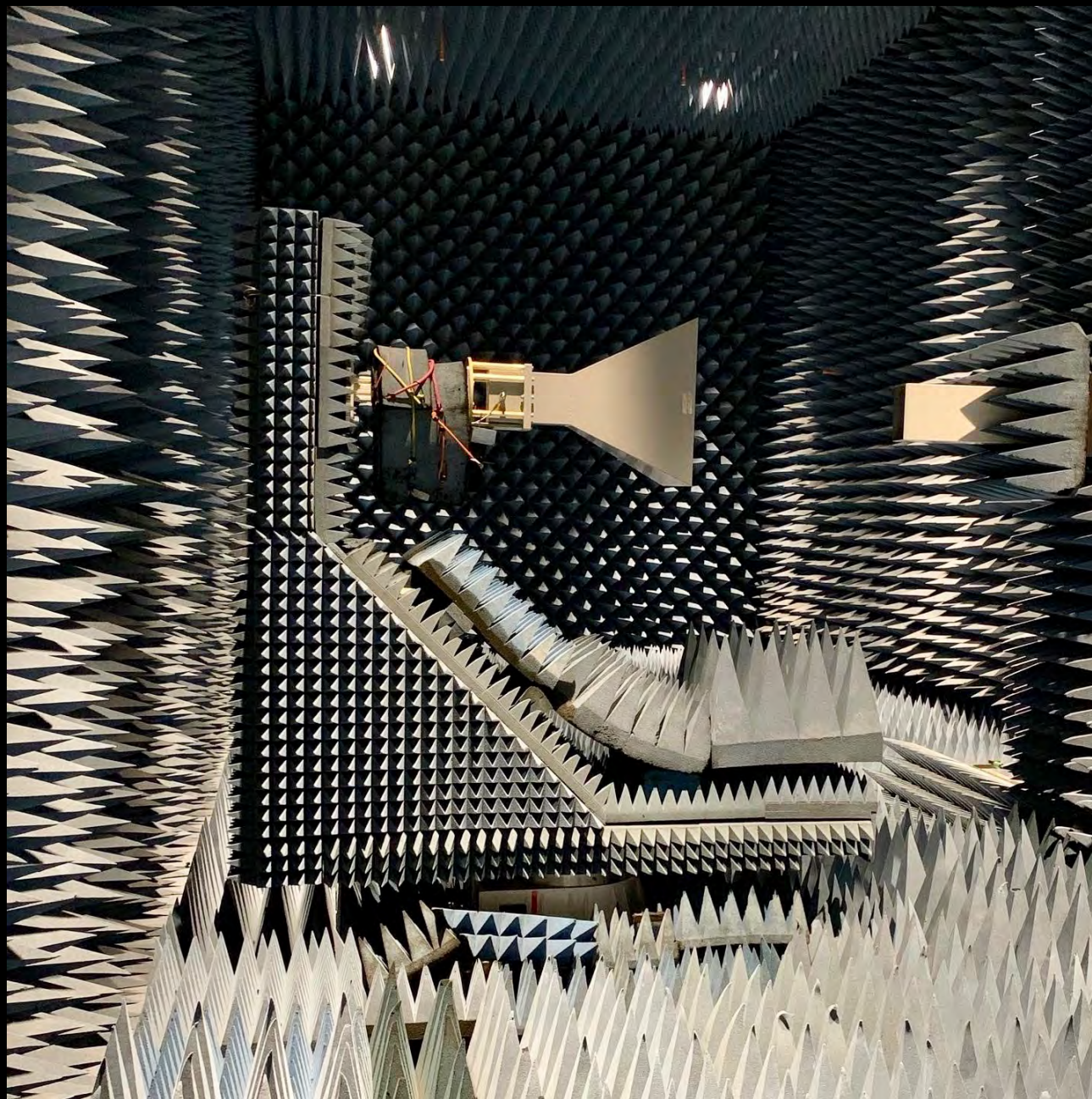
More information and registration at:  
**[instrumentation.yale.edu](http://instrumentation.yale.edu)**

**Yale**

Submit to our photo and video contests at:  
[instrumentation.yale.edu/contests](http://instrumentation.yale.edu/contests)

2020 Yale Day of Instrumentation  
Photography Contest

Equipment



**Honorable Mention**

Antenna testing facility at NASA JPL. – *Emily Kuhn*



**1st Place**

Dilution refrigerator with ruthenium oxide temperature sensors (constructed in Newburgh Lab) waiting to be cooled down/calibrated to 100mK. - *Sanah Bhimani*

People



**Honorable Mention**

Prof. Laura Newburgh, Dr. Benjamin Saliwanchik, and Maile Harris (Pierson '22) tune scientific payload of Newburgh Lab Drone, before calibration flights at Owens Valley Radio Observatory.— *Emily Kuhn*



**1st Place**

Annie Polish (TD '21) and Kabelo Kesebonye wade through the weeds outside of Wright Lab – *Emily Kuhn*



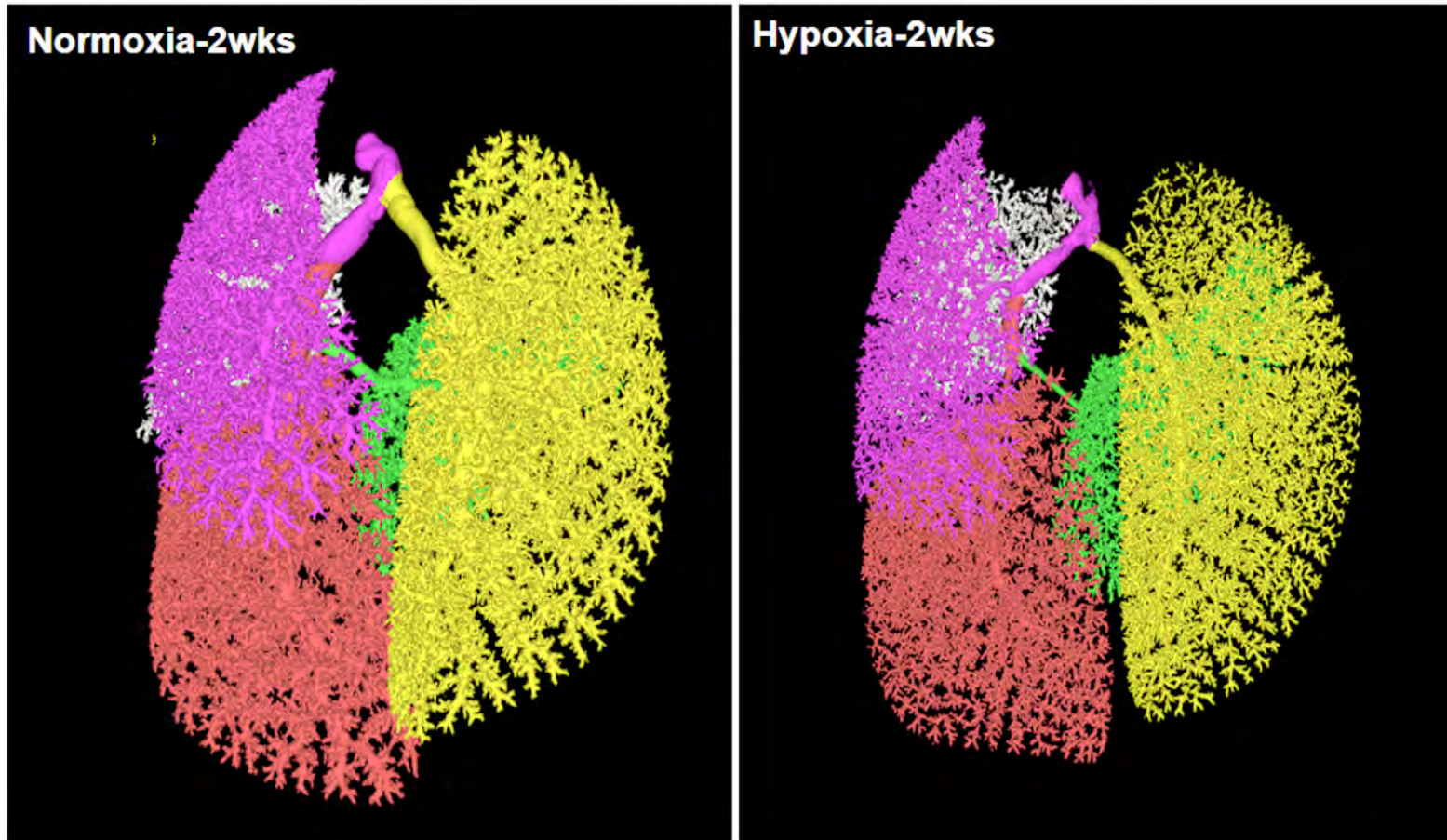
Science



**Honorable Mention**

500 liters of liquid nitrogen, venting off in the Wright Laboratory vault space. – *Emily Kuhn*

## Hypoxia-induced Pulmonary Arterial Hypertension in Mice



1st Place

Long-term hypoxia can cause high blood pressure in the lung vasculature. High-resolution microCT pulmonary angiograms showed that both the large pulmonary artery remodeled and the small pulmonary arterioles rarefactional in mice with 2 weeks-hypoxia. - *Zhenwu Zhuang, Peiyu Chen, Edward Manning, Hanqiang Deng, Naftali Kaminski, Michael Simons*

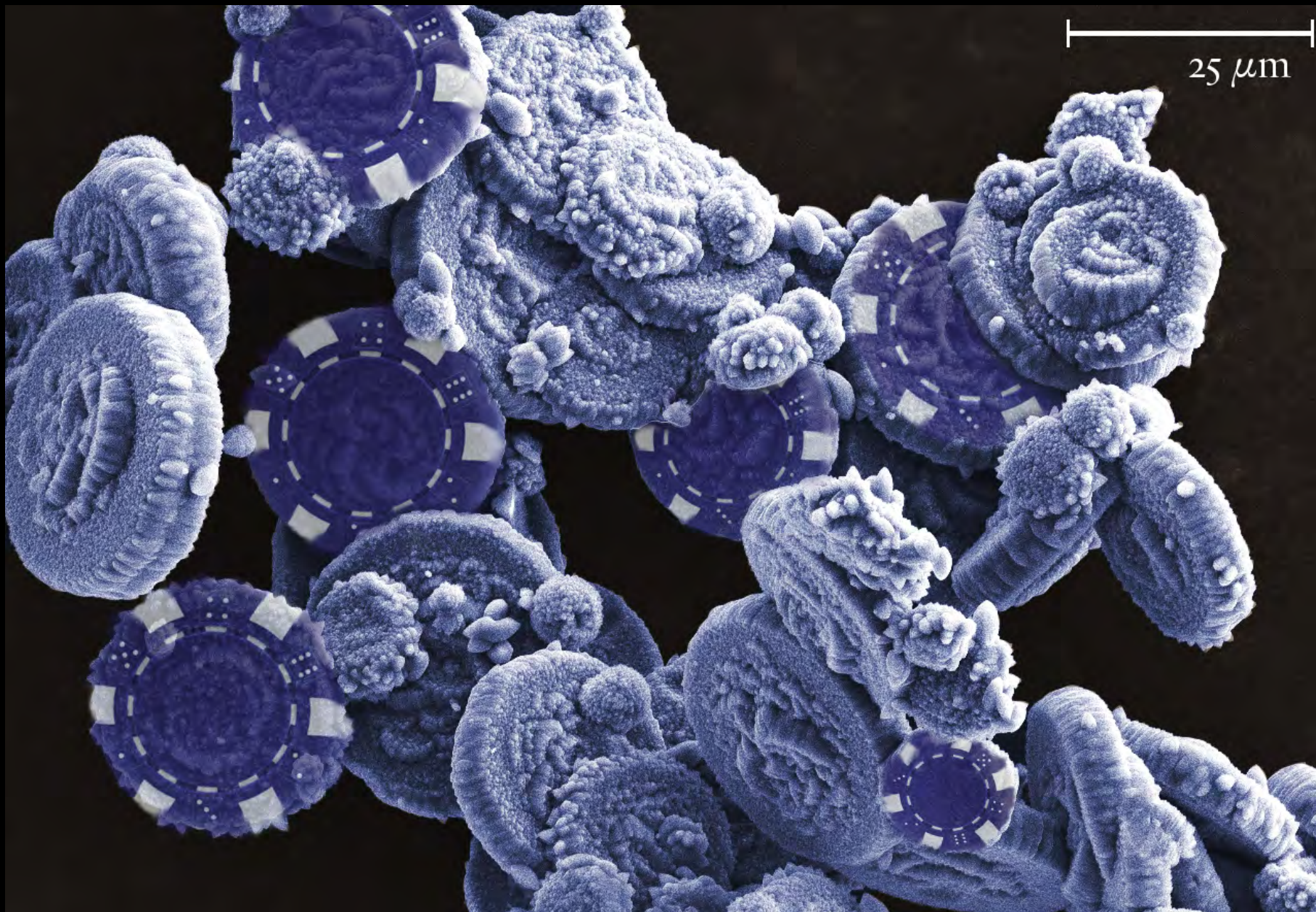
Other



**Honorable Mention**

	6/20/2019 12:51:48 PM	WD 4.0 mm	mag  8 000 x	HV 5.00 kV	HFW 25.9 $\mu\text{m}$	dwell 10.00 $\mu\text{s}$	det ETD	 5 $\mu\text{m}$ Helios
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Micro-size Yale logo etched on a silicon chip by ion beam. - *Lei Wang and Min Li, Yale MCC*



**1st Place**

The metal organic framework (MOF)  $Zn_2(TTFTB)$  looks like poker chips under SEM. - *Sarah Ostresh*

Videos