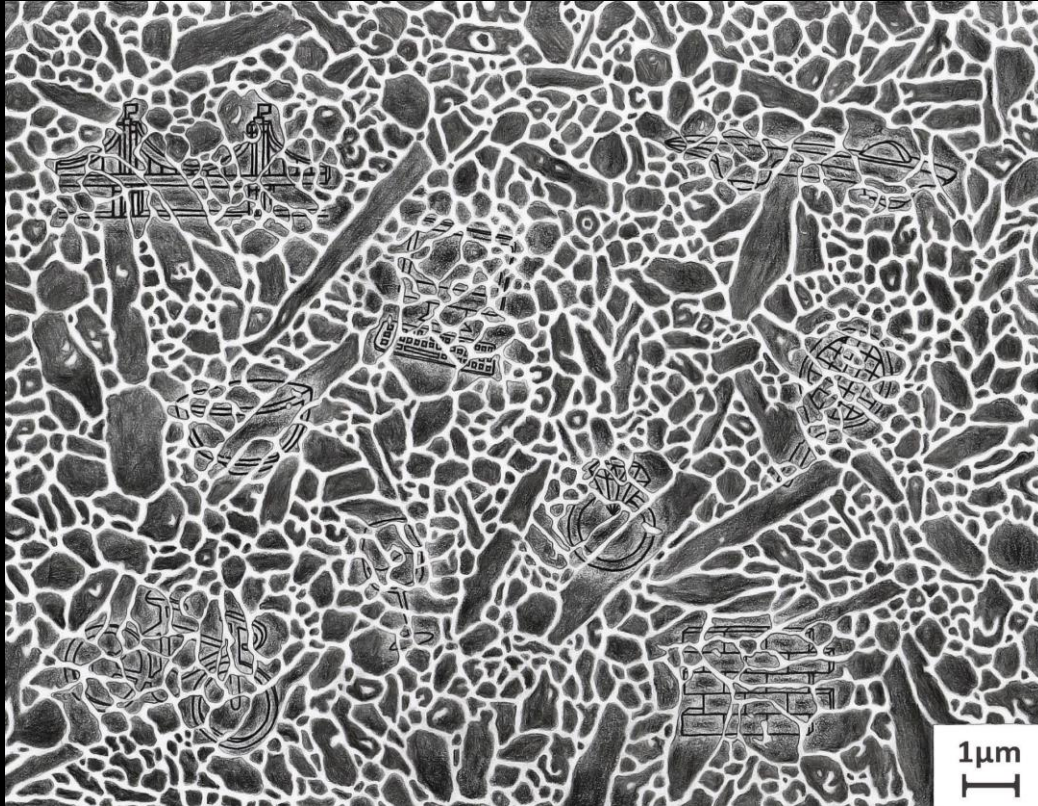


ACerS PCSA 5th Creativity Competition (2020) – Winners

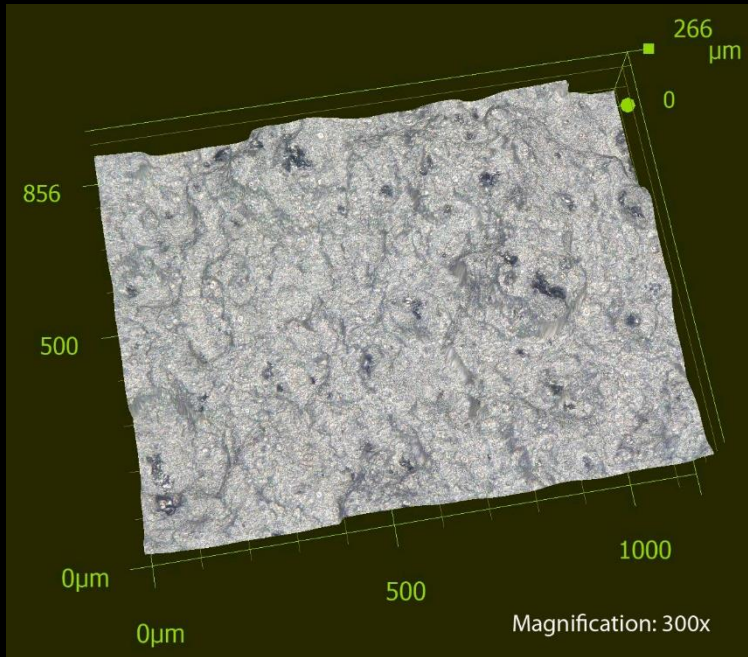


2020 Artistic Creativity and Viewer's Choice Award,
"Macro Innovations from Micro Observations"
by Rachel Eckert

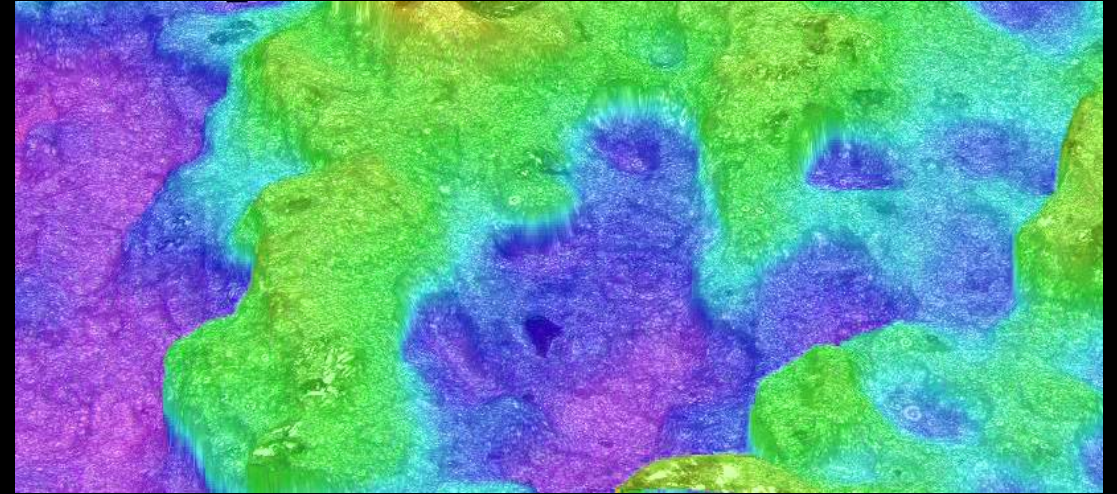


2020 Scientific Award,
"Promethean Sierpinski"
by Zach Abrams

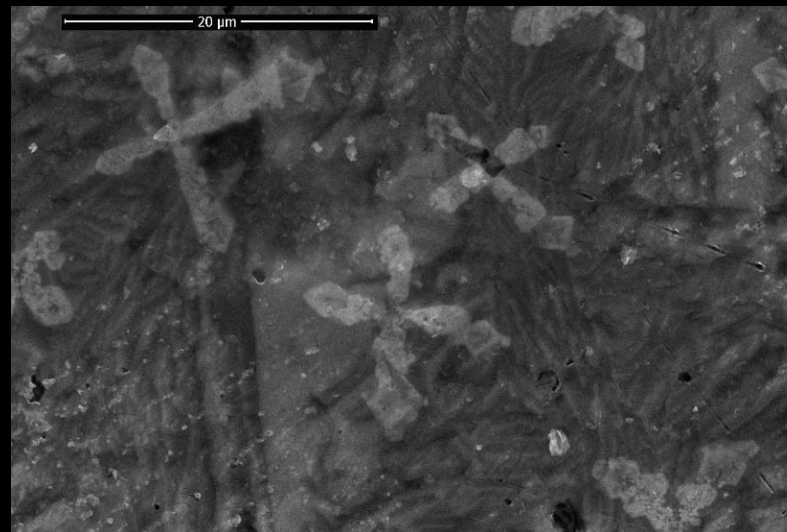
ACerS PCSA 4th Creativity and Microstory Competition (2019) – Winners



2019 Microstory, Scientific Creativity Award
“A passion for observing a metallic surface”
by Md Salah Uddin



2019 Artistic Creativity and Viewer’s Choice Award,
“Artistic Microstructure of Algae on Mechanically Deformed Aluminum”
by Md Salah Uddin



2019 Microstory, Viewer’s Choice Award
“Flowers not cracks”
by Asif Ur Rehman

ACerS PCSA 3rd Creativity and Microstory Competition (2018) – Winners



2018 Artistic Creativity Award,
“Skyward”
by Briana Bennett



2018 Artistic Creativity Award,
“Polar Crack”
by Rodolfo Fernandez and Xialong Lu

**The 2018 Creativity Competition resulted
in a tie between the two artworks
shown above.**

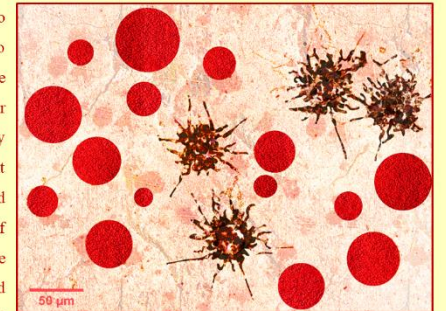
See next page for additional 2018 awardees

2018 Microstory Competition awardee shown below.

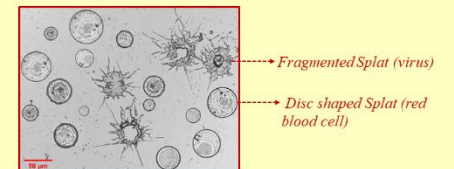
2018 Scientific Creativity Award,
“Common Cold and Splats”
by Sadhana Bhusal

Common Cold and Splats

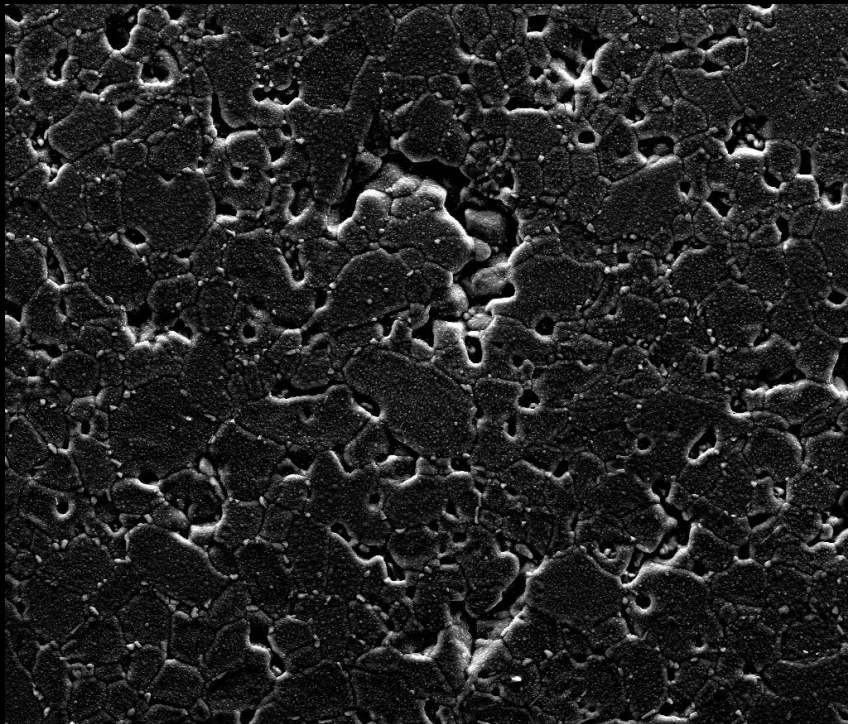
Ugh-this common cold again, it's the third time this year- I say to myself, as I am trying to work with the optical microscope. Rhino virus I remember from my high school biology class. How these small viruses, in the range of nanometers, are able to weaken our immune system, I wonder. After looking into the splat morphology of plasma sprayed aluminum oxide through optical microscope, it got me thinking, how similar they look like red blood cells and viruses present in our blood stream. Splats are building blocks of plasma sprayed coatings. The shape and arrangement of these splats determine the properties of coatings. The disk shaped (circular) splats resembles the red blood cells and fragmented splats, resembles the shape of viruses. Just as the infection of viruses affect our blood cells and challenge our immune system, the fragmented splats, adversely affect the mechanical properties of coatings. This thought manifested the comparison of Rhino virus infected immune system to fragmented splats in plasma sprayed micro-structure. And, after a while, I realized I just found other ways to procrastinate my tasks. Back to work now....



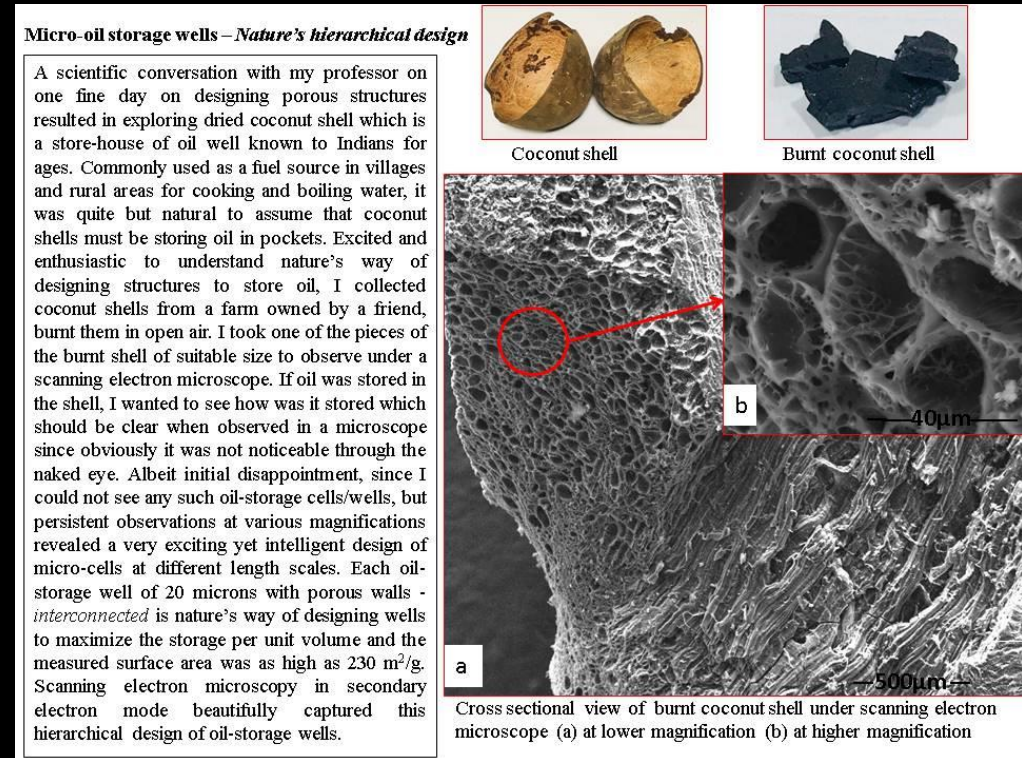
Splat Morphology of plasma sprayed Aluminum Oxide on low carbon steel observed by Optical Microscope at magnification of 200X



ACerS PCSA 3rd Creativity and Microstory Competition (2018) – Winners (continued)



2018 Artistic Creativity, Viewer's Choice
"Universe in our Atoms"
by Gokul Nanda

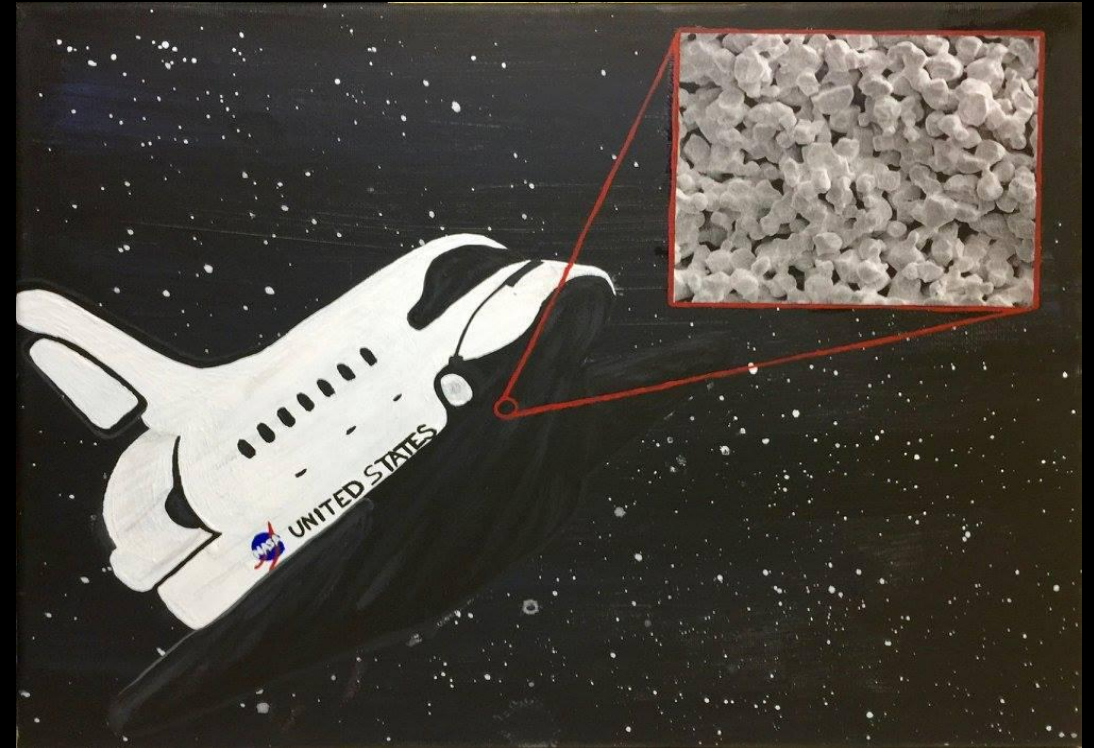


2018 Scientific Creativity, Viewer's Choice
"Micro-oil storage wells"
by Lokesh Vendra

ACerS PCSA 2nd Creativity Competition (2017) – Winners



2017 Artistic Creativity Award,
“Blue Planet”
by Laura Aalto-Setälä

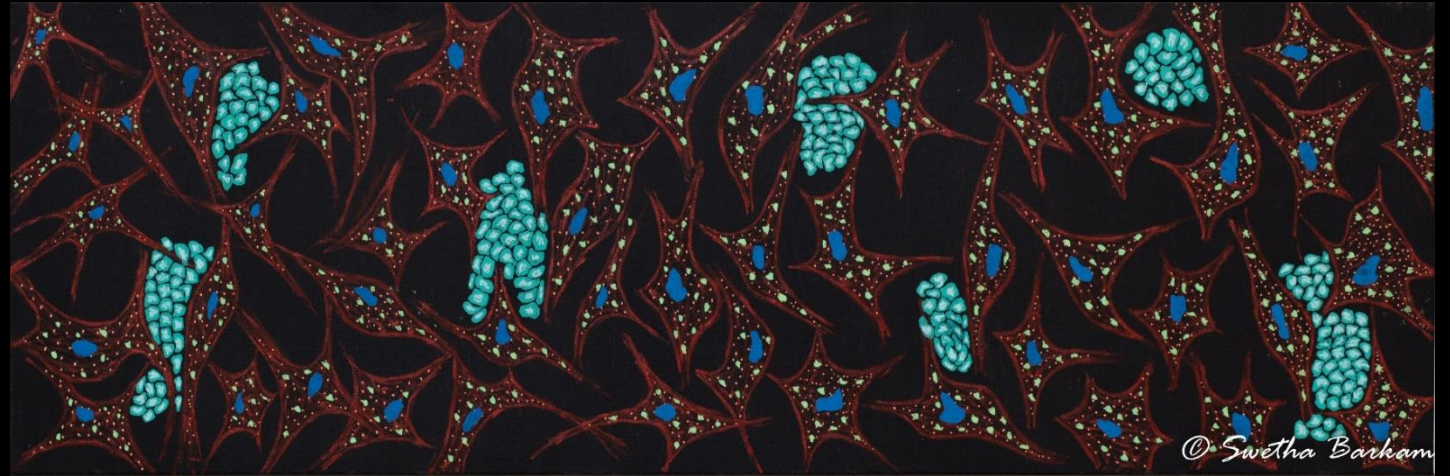


2017 Scientific Creativity and Viewer's Choice Award
“UHTC”
by Catalina Young

ACerS PCSA 1st Creativity Competition (2016) – Winners



2016 Scientific Creativity Award
“EBSD Pendant”
by Matt Michie



2016 Artistic Creativity Award
“The Cell Culture Invasion”
by Swetha Barkam



2016 Viewer's Choice Award
“Fused Jellyfish” by Ashley McClain