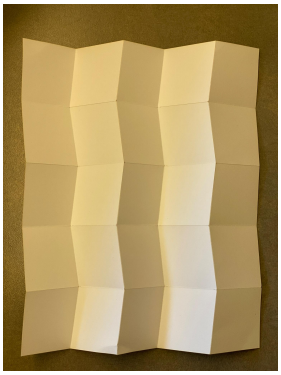
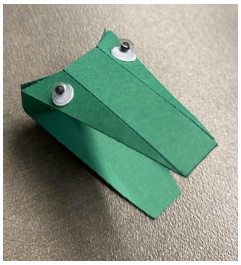
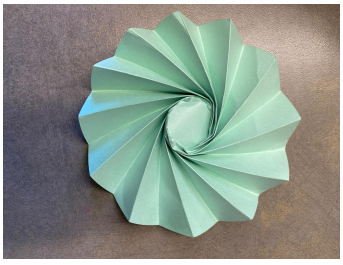
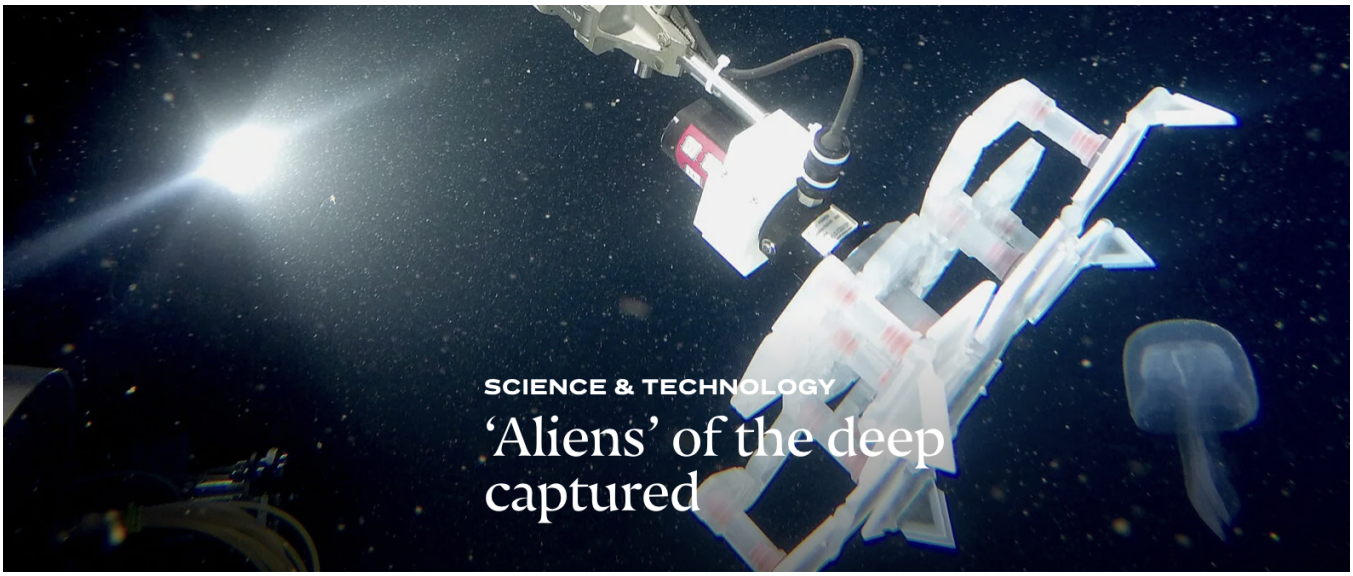
Mathematical Origami

Folding the Future!

Miura Fold (ミウラ折り, *Miura-ori*) a method of folding a flat surface such as a sheet of paper into a smaller area. The fold is named for its inventor, Japanese astrophysicist Kōryō Miura.	Uses: Inflatable membrane structure of Sprout satellite Surgical Stents Flat folded furniture Way to stack hydrogel films Nifty map for your back pocket!	
Chomper A grabber with no screws, hinges or mechanisms.	Uses: Medical Device Fidget 	
Spiral Fold Spins to fold and packs small	 One of Brigham Young University engineering professor Larry Howell's initial origami projects was a solar array that compacted to 9 feet during launch, but deployed to 82 feet across in space to generate power. Larry Howell	

Grabber to capture delicate sea creatures.



The rotary-actuated dodecahedron (RAD) sampler has five origami-inspired "petals" arranged around a central point that fold up to safely capture marine organisms, like this