

# Small molecule and biologic crystallization in microgravity

Advance your pharmaceutical programs with Varda's microgravity research and development platform. Our microgravity platform enables unique formulations of small molecules and biologics, providing innovative solutions to industry challenges and unlocking new opportunities in therapeutic development.



A flame in earth gravity (left) and microgravity (right)

## AT A GLANCE

Unlock new small molecule and biologic possibilities with Varda's microgravity platform.

Varda's microgravity platform is grounded in decades of proven research conducted on NASA's space stations. By eliminating factors such as natural convection and sedimentation, processing in a microgravity environment provides a unique path to formulating small molecules and biologics that traditional manufacturing processes cannot address. The resulting tunable particle size distributions, more ordered crystals, and new forms can lead to improved bioavailability, extended shelf-life, new intellectual property, and new routes of administration.

Get in touch to learn how you can use Varda's microgravity platform to transform your small molecule & biologic development.

## CURRENT CAPABILITIES

Varda's platform is ready built to develop and manufacture small molecules and biologics in microgravity before returning those products to Earth.

- » Melt/cool, slurry, evaporative and antisolvent crystallization
- » Polymorph, salt and cocrystal screening
- » Amorphous solid dispersion development
- » Single crystal structure determination

## ABOUT VARDA

Varda, founded in 2021 and headquartered in El Segundo California, is building products in space to make life better on Earth. We employ 60+ experts including engineers, operators and pharmaceutical scientists from world leading companies. We have completed Series A funding with Khosla Ventures, Lux Capital, Founders Fund, Caffeinated Capital, General Catalyst, and Also Capital.

## WORK WITH US

Collaborations help energize emerging fields of biomedicine and enable us to tackle longstanding research challenges. We are currently developing strategic partnerships with biopharma organizations to enable the development of next generation therapeutics in microgravity.

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