



Life Magnetics

NEXT GENERATION RNA SAMPLE PREPARATION
<http://magnetics.life>

SEPTEMBER 2020

SBDC ASSISTANCE

TECHTEAM CONSULTING

- SBIR Proposal Review
- Commercialization Plan Assistance
- Investor Presentation Coaching

EMERGING TECHNOLOGY FUND

- 2 Phase I Awards @ \$25,000 Each
- Intellectual Property Protection
- Marketing
- Website Launch And Ability To Take Online Orders
- Specialized Equipment For Process Flow
- Custom Parts For Product Manufacturing Scale Up
- Talent Recruiting Services

BUSINESS ACCELERATOR FUND

- \$12,500 Engagement Through Tech Town
- Freedom-to-Operate Analysis
- Filed Continuation-In-Part Extension To Expand Patent Coverage

ADDITIONAL SUPPORT FROM

- TechTown
- SCIP/TCA
- Macomb Community College Innovation Fund
- Blue Water Angels

Life Magnetics, Inc. has developed the world's first carbon-based RNA extraction methods which allows RNA to be extracted, processed, shipped, and stored much more easily than with existing silica-based methods. The product improves key figures of merit such as RNA yield and purity. Applications include better remote COVID-19 testing, scalable manufacturing of RNA vaccines, and better RNA testing from urine and saliva samples.

KEY ACCOMPLISHMENTS

- Secured \$178,500 NSF SBIR Phase I award
- Secured \$225,000 NSF SBIR Phase I award
- 50+ users at local universities and 3+ users in Canada
- Recommended as the best shipping and storage product by NASA
- 3 full time + 2 part time employees
- Raised \$400,000 from Blue Water Angels (\$150K in 2017, \$250K in 2018)
- Product displacing those manufactured in China and Germany
- Awarded a \$25,000 level A award from Macomb Community College Innovation Fund



"Anna from the SBDC TechTeam helped us prepare our winning NSF SBIR proposals, which was critical for our growth. These NSF projects were critical for developing products for shipping and storing medical samples which can be difficult and costly. And ETF is incredibly cost-effective since awards are vetted by top government agencies like NSF, so less internal oversight is required. NSF funds must be spent on technical work, so ETF provides critical incentive for investor and catalyzes early commercialization efforts. Our first investment from Blue Water Angels was a result of MI-ETF."

Kevin Hagedorn, Ph.D., Founder, Life Magnetics

<https://sbdcmichigan.org/tech-business/>