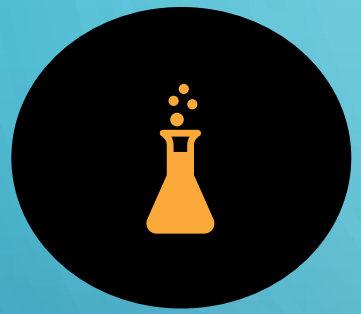
Archimedes
Center
LIFE SCIENCE BUSINESS ACCELERATOR

THE PROBLEMS BEING SOLVED BY ARCHIMEDES



Biotech advancements are being held back because startups can't afford to build or outfit their own labs.

Seed funding and business grants are insufficient budgets to cover proof-of-concept research, hiring and lab buildout.

Available leased lab spaces are too big, too expensive, and lack basic equipment and services infrastructure.

Commercial R&D is not appropriate for academic research space that relies on graduate students who must retain their intellectual freedom to pursue problems regardless of their commercial value.

Your Donations to Archimedes Help Innovators Focus on the Future of Medicine

FLEXIBLE LEASES TO STARTUP LIFE SCIENCE COMPANIES BASED ON THE COMPANY'S NEEDS FOR BENCH SPACE, EQUIPMENT, SERVICES AND CONSULTING

MODULAR, SCALABLE, AND AFFORDABLE OPEN LABORATORY ENVIRONMENT

STARTUPS MOVE IN AND GET TO WORK ON DAY ONE

SUPPORTIVE, LIKE-MINDED COMMUNITY, AND EXPERT MENTORSHIP

THE ARCHIMEDES CENTER FILLS AN IMMEDIATE NEED IN THE FINGER LAKES REGION

TALENT AND IDEAS ARE HERE WITH MAJOR UNIVERSITIES, COLLEGES, AND LIFE SCIENCE ENTREPRENEURS EAGER TO TACKLE SOME OF THE WORLD'S TOUGHEST PROBLEMS.

MAJOR DISEASES NEED CURES AND TREATMENTS AND DIAGNOSTICS ADDRESSING WORLD NEEDS.

PHILANTHROPIC SUPPORT OF ARCHIMEDES WILL ACHIEVE SUCCESS BY ENABLING COMPANIES TO USE THEIR RESOURCES FOR TALENT RETENTION, CREATION OF HIGH-PAYING JOBS, AND REALIZING VALUE IN THE CONTRIBUTIONS ROCHESTER CAN MAKE TO SOCIETY.

CHARITABLE GIVING TO ARCHIMEDES HAS BROAD IMPACTS ON SCIENCE AND SOCIETY

- Archimedes provides startups with the essential infrastructure and services that enable them to use their capital on their milestones and achieve proof-of-concept quicker.
- As a nonprofit, 501(c)3 company, every dollar donated to The Archimedes Center enhances and maintains the enabling high tech research infrastructure that supports retention of life science talent, job growth, and commercialization
- Archimedes supports entrepreneurs from students to startup company CEOs to ensure a vibrant pipeline of talent in the industry's life cycle.
  - philanthropic donors' vision made tangible through Archimedes supportive infrastructure
  - seed funding is freed up to achieve employee hiring and retention goals
  - stronger preliminary data sooner enables startups to apply for federal grants sooner
  - completing studies rapidly reduces risk for early-stage investors
  - increased visibility of Rochester as a national biotechnology innovation hub

PROOF-OF-CONCEPT

- Dr. Smith has facilitated startups achieving their goals by leasing space, equipment, services, and training within his own companies' space since 2010.
- Archimedes is at 68% capacity in its current 4,800 SF laboratory with 6 companies in lease agreements. There are also 5 letters of intent for companies seeking grant support as future tenants.
- The Archimedes' flexibility has enabled startups with greater and smaller space demands to gain immediate traction on their business models.
- The commercial research space at 1200 Jefferson has maintained a balanced budget for its two years of existence.
- University and business leaders are in full support and recognize the uniqueness and need for Archimedes services.

Archimedes Fills a Critical Gap in Rochester's Life Science Ecosystem

- Most business incubators in NY and throughout the nation don't offer ready-to-use research space with equipment, services, and consulting that individual entrepreneurs can occupy, and put to work on day one.
- Commercial leases in Rochester are typically for large empty spaces and do not fully support wet bench biotechnology with infrastructure.
- Incubators throughout the nation with benches and equipment are priced 2 to 5-times higher than Archimedes and have limited availability.
- Unlike Archimedes, many incubators require an equity position in the startup companies.
- Archimedes is different: Built for cash-limited founders, focused on enabling startup company missions, talent retention and training, and solving global healthcare problems with innovation.

MEASURABLE IMPACT AND OUTCOMES

- 10 + startups are anticipated to be supported within the first two years
- 20 + jobs anticipated to be retained/created
- 6 + student and entrepreneur Co-op and internships supported
- 10 + grant funding applications enabled
- success in the innovation product pipeline of Rochester/UR/RIT enabled

TALENT SERVING THE CENTER AS BOARD ADVISORS

- Dr. Smith is the founder of The Archimedes Center is the Executive Director and President for the Center. He is a University of Rochester Medical Center Emeritus Professor, biochemist, and molecular and cell engineer with 44 years of R&D and mentoring contributions. He is a serial entrepreneur with 23 years of experience in commercial biotechnology.

- Eight Directors serve on the Board, representing decades of experience in business, entrepreneurism and biotechnology.

- Advisor Council to the Board of Directors with broad experience and talent:

  - Rochester and Finger Lakes Region community startup interests and outreach - James Senall, President of NextCorps & Managing Director of Rochester Angel Network,
  - Archimedes technical advisor, equipment oversight, and technical trainer - Dr. Ryan Bennett, CSO of OyaGen, Inc
  - Legal and nonprofit business affairs - Carl Steinbrenner, Esq, Steinbrenner Law Offices LLC, and Dr. Mike Connolly, Esq, and CEO of Nextlabs
  - Account comptroller, accountant, advisor on state, federal, and IRS reporting, and Secretary - Mrs. Kim Staffier

THE BOARD OF DIRECTORS

Harold C. Smith, Ph.D., - Emeritus Professor, University of Rochester, President and Executive Director

Sarah Bettigole, Ph.D. - IgnitionBio

Daniel Connolly, Ph.D. - St John Fisher, Dean School of Business

Andre' Hudson, Ph.D. - RIT, Dean of Science

Joanna Kaneiwska, Ph.D. - T-Shape, LLC

Ron Newbold, Ph.D. - CEO for Empire State Discovery Inst.

Kevin Phelps - CFO OyaGen, Inc, Treasurer

Carl Steinbrenner, Esq - Steinbrenner Law Offices, LLC

Bolaji Thomas, Ph.D. - RIT, Chair for CHST Research Committee Director Student Experiential Learning Fellowship

Steve Vasile - Vasile Management Corp, Jarvee Assoc.

Current Biotech Company Tenants

- OyaGen, Inc - Discovery and development of antiviral therapies and biodefense.
- CannaMetrix, LLC - Development of human cell-based potency testing for Cannabis and other natural products.
- Biomolecular Discovery Services – Identification and production of antibodies to targets for cancer and autoimmune research.
- NextLabs – Developing affordable and portable solutions for point of care sample to DNA sequence applications.
- Luminova - Innovations in agriculture crop production, anti-aging, and the advancement of longevity.
- TEx Immunetics - T-cell activity modulators involving biomarker technologies, immune checkpoint molecules, and tumor-derived exosomes (TEXs).

ARCHIMEDES LABORATORY SPACES

Biomedical Innovation in Rochester as a Launchpad for the World Made Possible Through Your Vision and Support

- Archimedes is seeking to raise $500,000 in philanthropic donations by the end of 2026 and $3,500,000 in total over the next 2 years

  - Use of proceeds:
    - a 1,600-2,200 SF expansion of our current 4,800 SF laboratory space, will enable Archimedes to match donor funding through its lease revenue, research contract agreements and consulting services
    - recruiting a chief operations/development officer
    - expanding the core optical and robotic equipment
    - expand core equipment such as chemical fume hoods, biosafety cabinets, water purification system, and sterilization equipment
    - purchase of state-of-the-art imaging and molecular analysis equipment
    - upgrades of computers and licensing software
    - service contracts on major equipment
    - advertise and promote the Center’s offerings
    - retain general manager and operations officers

THROUGH YOUR SUPPORT WE CAN…

- Accelerate lifesaving innovation
- Empower scientists to build the future.
- Be the reason Rochester becomes a biotech powerhouse.
- Let’s make it happen — together!

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1200 Jefferson RD, suite 206, Rochester, NY 14623

For more information and general inquiries, please contact:

Harold C. Smith, PhD, Founder and CEO
email: hsmithny@gmail.com
phone: 585 697-4351
website: https://archimedes-center.org/