North Carolina Biotechnology Center

CED LIFE SCIENCE CONFERENCE

the ncbio biosciences organization

Featured Company Profiles

The following companies have been selected to be featured at the CED Life Science Conference 2018, February 27-28 in Raleigh, NC. Showcase companies who will give presentations on the main stage are notated with an asterisk (*). Lightning Round companies who will give short pitches on the main stage are notated with two asterisks (**). Companies that are selected by the Coulter Investment Forum, representing a dozen top-tier universities from across the U.S., are notated with (Coulter).

In addition to the list below, these five growth-stage companies will give updates on Wed, Feb 28 at 9:20am:

Precision BioSciences · Baebies · Locus Biosciences · G1 Therapeutics · AgBiome

Scroll Down for Full Company Profiles in Alphabetical Order

(Profiles can also be viewed online. Click Here then select the company name for full profile.)

Company Profile: Agile Sciences

CED Life Science Conference 2018 - Innovation Room

http://www.agilesci.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2007

COMPANY PROFILE
Agile Sciences is developing a more effective therapeutic strategy for treating multidrug resistant (MDR) bacterial infections. The company's core technology consists of a new class of 2-aminoimidazole (2-AI) small molecules that inhibit bacterial defense mechanisms through a novel mode of action resulting in enhanced antibiotic activity by inhibiting and dispersing bacterial communities, known as biofilms, and restoring antibiotic susceptibility in drug resistant infections. Agile Sciences is targeting three therapeutic areas: 1) treatment of MDR bacterial infections; 2) treatment of lung infections in cystic fibrosis (CF) patients; and 3) treatment of chronic wound infections.

FOUNDERS/MANAGEMENT TEAM
John Cavanagh (Co-Founder)
Christian Melander (Co-Founder)
Malcolm Thomas (CEO)

KEY MILESTONES TO DATE
- Agile Sciences has completed initial pharmacological assessments for its lead compounds in all three of its drug development programs (Cystic Fibrosis, chronic wound, and hospital acquired multidrug resistant Gram-negative infections). The Company is executing a milestone-based approach to achieve submission of an IND in 2019 in each of the three targeted therapeutic areas.
- Accolades: Agile Sciences has successfully obtained over $13M in NIH funding including 13 Small Business grants and $4M contract to advance development of its pipeline. It has also received grants from the Cystic Fibrosis Foundation and the Bay Area Lyme Foundation.
- Funding: $15 Million

POWERED BY
CED; NC State Office of Technology Transfer (OTT), One NC Small Business Program

CONTACT
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Raleigh, NC

Learn more about the CED Life Science Conference.

Company Profile: Altis Biosystems

CED Life Science Conference 2018 - Innovation Room

www.altisbiosystems.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2015

COMPANY PROFILE
Altis Biosystems is a biotechnology research tools company that has developed a stem cell technology, which recreates both the small or large human intestinal epithelium for drug testing and microbiome research. It is meant to replace Caco-2 cells and animal testing, for compound screening. We plan to manufacture and sell the RepliGut platform, in a variety of formats, to pharmaceutical companies and CROs.

FOUNDERS/MANAGEMENT TEAM
Michael Biron, MBA, CEO
Dr. Christopher Sims, MD, President
Qiagen. Dr. Yuli Wang, PhD, CSO

KEY MILESTONES TO DATE

- 1. Obtained an exclusive license from UNC for the two patents protecting Altis's technology. (March 2018) 2. Obtained a facilities use agreement with UNC (Oct 2017) 3. First customer purchase (Nov 2017) 4. Began collaborations with a pharmaceutical company and a CRO, which successfully tested Altis's product for functional assays (July 2017 - Present) 5. Business Development grants - Kickstart Award (Oct 2017), NC Idea (Nov 2017)
- Accolades: NC Idea Seed Grant - Winner - NC IDEA SEED provides grant funding to innovative startups, typically between proof of concept and profitability. About 160 companies apply each cycle, across the state of NC and only five grants are awarded. UNC Kickstart Award - Winner - The KickStart Award Program helps early-stage UNC spin-out companies meet commercial milestones. Four published manuscripts - The founders of Altis have published four manuscripts on Altis's technology through their academic positions at UNC.
- Funding: NC Idea Seed Grant - $50,000 UNC Kickstart Award - $40,000 UNC NEO Program - $7,500 Founders - $60,000

POWERED BY
Kickstart Venture Services; CED; UNC Chapel Hill Office of Technology Development (OTD) NC Idea

CONTACT
Michael Biron
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Chapel Hill, NC

Company Profile: Applied LifeSciences & Systems

CED Life Science Conference 2018 - Showcase

http://www.als-s.com/
Sub-sector: AgBio & Animal Health
Year Founded: 2015

COMPANY PROFILE
Applied LifeSciences & Systems (ALS-S) is a bio-systems company focused on improving animal health and productivity in the poultry, livestock, and aquaculture industries. Our initial product is an innovative, fully automated, individualized vaccine delivery system for the poultry industry. Our technologies position us favorably to address the multi-billion-dollar poultry health market, as well as other animal health markets.

FOUNDERS/MANAGEMENT TEAM
Ramin Karimpour - Founder & CEO
Liz Turpin - Vice President, Bio-Process Sciences
Rupen Fofaria - Corporate Counsel/HR

KEY MILESTONES TO DATE
- Successfully demonstrated the proof of concept of the technology via the first prototype system; validating safe handling of chicks, high speed imaging and feature recognition and feature targeting. Filed US and International patents, protecting technologies. Established the BOD with executives from the industry & financial community.
- Accolades: Received NSF Phase I SBIR for $225,000, One NC SBIR/STTR Phase I Matching Program grant ($65K), and Foundations for Food and Agriculture Research grant for $800,000 with a match from Merck Animal Health. Secured office and laboratory facilities and assembled a team of 9.
- Funding: $2.7 million nondilutive funding; $900K from Founder and Management Team

POWERED BY
Merck Animal Health (MAH), National Science Foundation (NSF), Foundation for Food & Agriculture Research (FFAR), CED; FFVC; SBTDC, One NC Small Business Program

CONTACT
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Raleigh, NC

Learn more about the CED Life Science Conference.

Company Profile: Ascent Bio-Nano Technologies, Inc.

CED Life Science Conference 2018 - Innovation Room

http://ascentbionano.com/
Sub-sector: Medical Device
Year Founded: 2012

COMPANY PROFILE
Ascent develops biocompatible and biosafe cell/particle separation devices with patented acoustofluidic technologies.

FOUNDERS/MANAGEMENT TEAM
Lin Wang, CEO

KEY MILESTONES TO DATE
- Awarded 2nd place ($10,000) at the Big Launch Challenge
- Awarded NIH Phase II grant ($1.5MM)
- Developed beta prototypes for customer verification

POWERED BY
CED; First Flight Venture Center; NC Biotechnology Center; Ben Franklin Technology Partners

CONTACT
Lin Wang
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Research Triangle Park, NC

Learn more about the CED Life Science Conference.

Company Profile: AsclepiX Therapeutics, LLC
presenting at the Coulter Investment Forum

www.AsclepiX.com
Sub-sector: Biotechnology
Year Founded: 2011

COMPANY PROFILE

AsclepiX Therapeutics, LLC has created a disruptive platform of next gen therapies for ocular diseases, cancer, and transplants that not only stop new vessel growth but also regress diseased vessels, essentially "Turning the Clock Back". In ophthalmology, AXT107 has a novel mechanism of action that inhibits the activity of VEGF and activates Tie 2 with a single intravitreal agent and with fewer monthly injections than other ocular therapies. In oncology, AXT201 prolongs survival in vivo in hepatocellular carcinoma and inhibits angiogenesis and lymphangiogenesis in vivo in Triple Negative Breast Cancer, stops cancer growth and stops cancer spread. In transplant, AXT501 blocks VEGFR3, which inhibits lymphangiogenesis in vivo to minimize rejection of skin, limb, and organ transplant. We are focused on significant unmet needs including, Orphan Diseases, diseases with high mortality and diseases with a significant treatment burden on the patient, and have created novel therapeutic agents for ocular diseases, cancer, and transplantation.

MANAGEMENT TEAM

CEO - Wendy Perrow, MBA
CTO - Jordan J. Green, PhD
CSO - Aleksander S. Popel, PhD
R&D Head - Niranjan Pandey, PhD
Chief Med Advisor - Henrik Rasmussen, MD, PhD
Regulatory - Judy Gordon, DVM
Manufacturing - Gary Musso, PhD
Toxicology - John Kapeghian, PhD

KEY MILESTONES TO DATE

- Raised > $8M in non-dilutive funding
- Lead product, AXT107 to treat diabetic macular edema, shown more effective and longer lasting than the standard of care (Eylea®) in leading animal models (*Science Translational Medicine*, 2017)
- Successful pre-IND meeting with the FDA on AXT107
- Successful GMP production of API and CMC production of AXT107
- Successfully conducted initial AXT107 toxicology studies with other IND-enabling toxicology studies currently ongoing
- Anticipated Phase I/II Clinical Trial to commence in 2019
- Parallel development of AXT107-MP, a long-lasting treatment for wet AMD and AXT201, a treatment for solid tumors
- Team Awards: Wendy Perrow, Maryland TEDCO Entrepreneur of the Year (2017); Jordan Green, Baltimore Business Journal "40 Under 40" (2015).

POWERED BY Johns Hopkins FastForward, Maryland TEDCO, NIH I-Corps, NEI, JHU-Coulter Partnership

CONTACT Wendy Perrow, 301 West 29th Street, Suite 2004, Baltimore, MD 21211
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Company Profile: BioHealthonomics, Inc.

CED Life Science Conference 2018 - Innovation Room

http://biohealthonomics.com/
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2011

COMPANY PROFILE
BioHealthonomics Inc. is a clinical stage biotechnology & healthcare company dedicated to commercializing high-impact, effective therapeutics that address critical unmet needs in the treatment of migraine headaches, Parkinson's disease, Alzheimer's disease, ALS and other conditions affecting the central nervous system. The company is developing both a product (histamine dihydrochloride) and a unique, patented technology for the treatment and prevention of these conditions.

FOUNDERS/MANAGEMENT TEAM
Cris Arnou, Founder and CEO Amy Chapell, Chief Medical Officer Randy Jones, Chief Legal Officer

KEY MILESTONES TO DATE

- Strategic Agreement with EpiCept/Immune Pharmaceuticals provides access to histamine dihydrochloride product, Pre-clinical data, Phase I Clinical data and Chemistry Manufacturing and Controls (CMC) data
- IND 115,375 with the FDA for migraine headaches has been filed. Company will start its development with Phase II clinical trial.
- US Patent No.9023881 issued May 2015
- US Patent No. 9511054 issued December 2016
- US Patent No. 9808444 issued November 2017
- Accolades: Many to come!
- Funding: Friends and Family, approximately $130,000 to date Currently engaged in an SEC Regulation CF Online Public Offering (Equity Crowdfunding) with a goal of $107,000 (over $30,000 as of Jan. 14, 2018)

CONTACT
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Santa Monica, CA

Learn more about the CED Life Science Conference.

Company Profile: BioLink Life Sciences, Inc.

CED Life Science Conference 2018 - Innovation Room

www.biolinkonline.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2001

COMPANY PROFILE
BioLink Life Sciences is a biopharmaceutical technology company targeting major diseases with innovative drug treatments. BioLink?s exclusive drug therapies support disease management initiatives to enhance the quality of life and care of patients while improving patient tolerability and decreasing drug costs. The Company is developing a robust pipeline of novel treatments for osteoporosis, iron deficiencies, kidney disease, diabetes, and seizure disorders. More information can be found at www.biolinkonline.com.

FOUNDERS/MANAGEMENT TEAM
Deanna J. Nelson, President Kent Barta, General Counsel 2 Business Advisors 1 COO

KEY MILESTONES TO DATE
- NDA filing Phosveda; large IP portfolio; numerous SBIR grants
- Funding: Founder, SBIR grants, profits, Qualified Drug Development Grant

POWERED BY
SBTDC, One NC Small Business Program

CONTACT
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Cary, NC

Learn more about the CED Life Science Conference.

Company Profile: BioMedomics, Inc.
CED Life Science Conference 2018 - Innovation Room

www.biomedomics.com
Sub-sector: Diagnostic
Year Founded: 2006

COMPANY PROFILE

BioMedomics is a ISO certified POC diagnostics company focused on developing unique rapid POC tests for blood disorders. We have 4 products that have already received CE Mark approval: Our leading product, Sickle SCAN, for the detection of Sickle Cell Disease and Sickle Cell Trait, has been sold into more than 20 countries; other products are alpha-Thal SCAN, and Hemo SCAN. we are also launching a novel POC quantitative test for hemoglobin S (HbS) which is used in the treatment of SCD. Additionally, quantitative POC tests for TSH, testosterone, vitamin D and troponin based on our patented high sensitivity Time Resolved diagnostics platform and a rapid POC test for beta-thalassemia, are also under development.

FOUNDERS/MANAGEMENT TEAM

Dr. Frank Wang, CEO; Mr. Pete Hornbach, VP of Sales and Operations; Dr. Linxian Wu, COO; Mr. Michael Gesser, CFO; Dr. Jason Kim, VP of Product Development and Technology.

KEY MILESTONES TO DATE

- -Products sold to over than 25 countries -Partnership agreement signed with Toyota Tsusho -Manufacture of tests has been scaled up to 250,000 per month with the addition of 2 large-scale ISO certified manufacturing facilities. -Distribution network established in multiple regions most heavily affected by blood disorders, including Nigeria, Kenya, Saudi Arabia, Qatar, Ghana, etc.
- Accolades: - 2017, Breakthrough Innovation Award, Triangle Global Health Consortium - 2016, First Place Winner of the RESI Boston 2016 Innovation Challenge - 2016, NIH SBIR Phase II: Development of a quantitative Point-of-Care test for Hemoglobin S and Hemoglobin F - 2015, NIH SBIR Phase I: Development of a quantitative Point-of-Care test for Hemoglobin S and Hemoglobin F - 2011, NIH SBIR Phase II: Time-Resolved Multiplexed Sensitive Testing for Drugs of Abuse - 2010, NIH SBIR Phase I: Nanotube Based Lateral Flow Nanosensing Platform for Highly Sensitive Cancer Detection - 2010, NIH SBIR Phase I: Time-Resolved Multiplexed Sensitive Testing for Drugs of Abuse - 2010, North Carolina State SBIR Match Fund - 2009, NIH SBIR Phase I: Low-Cost, Onsite Biomarker Test Kits for Alcohol Associated Disorders - 2009, NIH SBIR Phase I: Multiplexed Assay Platforms for Protein Biomarkers of Cardiovascular Disease - 2008-2010 CDC SBIR Phase II: Multiplex Genomics Assays for Generic Targeting of Thrombotic Risk - 2008, NC IDEA Fund: Develops diagnostic platforms and disposable test strips at point of care and based on molecular diagnostics - 2008, North Carolina State SBIR Match Fund - 2007, North Carolina Biotechnology Center Business Development Loan Award
- Funding: Approximately $7.5 million

POWERED BY One NC Small Business Program
CONTACT Frank Wang, fwang@biomedomics.com, Durham, NC

Company Profile: Cell Microsystems

CED Life Science Conference 2018 - Lightning Round; Innovation Room

www.cellmicrosystems.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2010

COMPANY PROFILE
Cell Microsystems is an early growth stage company that develops, manufactures, and markets innovative products for single cell biology. The Company's proprietary CellRaft™ Technology enables high-efficiency sorting and isolation of single cells under standard culture conditions resulting in unperturbed phenotypes and high viability. Coupled with the Company's automated imaging platform, a user can select a cell in real-time and 'track and trace' that cell through imaging, collection and downstream analysis. By sorting during real-time imaging, no cells are wasted enabling single cell isolation from even small, precious samples. The CellRaft Technology offers scalable solutions making cell separation technology available for every lab.

FOUNDERS/MANAGEMENT TEAM
Gary M. Pace, CEO
Nick Trotta, Dir. Product Applications & Market Development
Steve Gebhart, Dir. Engineering
Chris Sims, CSO
Yuli Wang, CTO
Nancy Allbritton, Founder

KEY MILESTONES TO DATE
- February 2014 - First sales of CellRaft System
- June 2015 - Corporate partnership with QIAGEN
- February 2016 - First SBIR/STTR Phase II grant awarded 2016 - Achieved positive net income
- November 2017 - Commercial launch of the AIR System for automated isolation and recovery of single cells
- Funding: $7.2 M in non-dilutive funding from NIH, NC Dept. of Commerce, UNC Kickstart, NC IDEA ($6.0M in the aggregate); direct sales, and corporate partnership ($1.2 M in the aggregate)

POWERED BY
First Flight Venture Center; UNC Chapel Hill Office of Technology Development (OTD); OSTI, NC Department of Commerce, One NC Small Business Program

CONTACT
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Research Triangle Park, NC

Company Profile: Celldom

CED Life Science Conference 2018 - Lightning Round; Innovation Room

http://www.celldom.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2016

COMPANY PROFILE
Celldom is developing next generation single cell omics for new drug R&D, companion diagnostics, and personalized medicine.

FOUNDERS/MANAGEMENT TEAM
Zach Forbes
Co-Founder & Acting Chief Technology Officer - Benjamin Yellen, PhD (Associate Professor, Duke University MEMS & Biomedical Engineering), Co-Founder and Acting Chief Scientific Officer - Kris Wood, PhD (Assistant Professor, Duke University Dept of Pharmacology and Cancer Biology)

KEY MILESTONES TO DATE

- January 2017: Accepted to Biolabs NC
- February 2017: NIH SBIR Phase I funding begins
- March 2017: NC Board of Commerce Awards full Match Funds
- May 2017: Exclusive license of Duke IP
- July 2017: Functional platform assembled
- December 2017: SBIR Phase I Milestones Achieved
- Accolades: Celldom has succeeded in obtaining NIH SBIR funding and have met our Phase I milestones en route to a Phase II submission in January. We are current recipients of an Illumina Sequencing Grant from the Illumina accelerator and will collaborate on site in California with the Illumina team with $10,000 in reagents, equipment usage, and staff guidance. We have an exclusive license to all Duke University IP and are nearing readiness to begin generating service revenue.
- Funding: $750,000: NIH SBIR Phase I, NC SBIR Matching Funds, Founder Contributions, Seed Round (Rolling through March 2018).

POWERED BY
Duke Innovation and Entrepreneurship Initiative (I&E); Duke Office of Licensing and Ventures (OLV); SBTDC; Other (please specify) Biolabs NC, One NC Small Business Program

CONTACT
Zachary Graham Forbes
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Durham, NC

Company Profile: Cellective BioTherapy, Inc.

CED Life Science Conference 2018 - Lightning Round; Innovation Room

cellectivebiotherapy.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2015

COMPANY PROFILE
An early stage therapeutics company developing both antibody and cell-based approaches to harnessing regulatory B (B10) cells for both augmenting a patient's immunity against tumors and for the production of personalized cellular therapies to treat diverse and complex inflammatory disorders and autoimmune disease.

FOUNDERS/MANAGEMENT TEAM
Thomas F. Tedder, Ph.D.
Thomas F. Tedder, PhD, CEO, Founder and Director Robert Bonczek, JD, MBA, CFO, director Bud Nelson, PhD, General and IP Counsel George (Barney) Koszalka, PhD, COO

KEY MILESTONES TO DATE

- Milestones met since inception include the effective translation of integrated mouse technology platforms and preclinical product lines into humans. This includes the development and selection of lead monoclonal antibodies for human regulatory B10 cell depletion in vivo, and the development and implementation of human B cell and regulatory B cell manufacturing technologies.
- Accolades: Cellective advanced to the final-four in the early stage company shootout at SEBIO in early November.
- Funding: $2.00 MM, Eshelman Ventures, seed financing 2015 $0.50 MM, Angel Investor, seed financing 2015 $610,000, Large Pharma Company, technology evaluation agreement (current) $75,000 North Carolina Biotech Technology Enhancement Grant (current)

POWERED BY
Duke Office of Licensing and Ventures (OLV)

CONTACT
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Durham, NC

Learn more about the CED Life Science Conference.

Company Profile: Clinical Sensors, Inc.

CED Life Science Conference 2018 - Lightning Round; Innovation Room

http://www.clinicalsensors.com
Sub-sector: Diagnostic
Year Founded: 2009

COMPANY PROFILE
Clinical Sensors (CSI) develops a near-patient test for early detection of sepsis based on nitric oxide measurements from blood

FOUNDERS/MANAGEMENT TEAM
Philippe Chemla, PhD, MBA, CEO
Jonathan McDunn, PhD, Head R&D
Wesley Storm, PhD, Lead Platform Development

KEY MILESTONES TO DATE

- Proof of concept in sepsis animal models
- Initiated clinical study at the UNC Burn intensive care unit (11/17)
- Establish nitric oxide relationship to sepsis in burn patients (Q2'18)
- Complete production of prototype analyzers (Q1'18)
- Partnership with clinical blood gas analyzer company (Q2/Q3'18)
- FDA- 510(k) (2021)
- Funding: - NC IDEA, $50,000 (2011) - NIH STTR Phase 1, $600,000 (2014-2016) - NIH SBIR Phase 2, $1,300,006 (2015-2017) - NC SBIR/STTR Matching Funds, $50,000 (2015-2016) - NIH SBIR Phase 1, $217,086 (2016-2017) - NC SBIR/STTR Matching Funds, $65,000 (2016-2017) - NIH SBIR Phase 1, $215,501 (2017-2018), NIH SBIR Phase 2, $1,352,852 (2017-2018), NC Biotech Center SRL Loan, $250,000 (2017-2018), Private Seed investment, $200,000 (2017), NIH SBIR Phase 1, 224,000 (pending)

POWERED BY
Blackstone Entrepreneurs Network (BEN); Kickstart Venture Services; CED; First Flight Venture Center, One NC Small Business Program

CONTACT
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Research Triangle Park, NC

Learn more about the CED Life Science Conference.

Company Profile: Contego Medical, LLC

CED Life Science Conference 2018 - Showcase Only

contegomedical.com
Sub-sector: Medical Device
Year Founded: 2009

COMPANY PROFILE
Contego Medical, LLC is a medical device company dedicated to the development of endovascular devices that integrate superior performance and added safety. The Company's first platform technology, Integrated Embolic Protection (IEP™), combines embolic protection and treatment onto one device and is designed to simplify catheter-based procedures, increase safety, and improve patient outcomes. Contego has successfully attained a CE Mark for two devices, Paladin and Vanguard IEP, with plans to launch additional products in US, Europe, Australia, Japan, and Brazil.

FOUNDERS/MANAGEMENT TEAM
Ravish Sachar, CEO
David Stern, COO
Nathalie Greene, CFO
Elizabeth Saylors, VP Quality and Clinical Affairs

KEY MILESTONES TO DATE
- Suite of products in various phases of development and approval
- European approvals and sales for Paladin and Vanguard products
- 3 US launches planned for 2018

CONTACT
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Raleigh, NC

Learn more about the CED Life Science Conference.

Company Profile: Dignify Therapeutics

CED Life Science Conference 2018 - Lightning Round; Innovation Room

http://dignifytherapeutics.com/
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2013

COMPANY PROFILE
Dignify Therapeutics is focused on developing novel bladder and bowel therapies to restore voluntary control of bladder and bowel function, eliminate bladder catheter use, and eliminate manual bowel programs. Our therapies will treat voiding dysfunction associated with neurological disease, diabetes, and advanced age.

FOUNDERS/MANAGEMENT TEAM
Ed Burgard PhD - President, acting CEO
Karl Thor PhD - Chief Scientific Officer
Nadia Rupniak PhD – Executive VP, Drug Development
Dan Ricca PhD - VP, Chemistry
Lesley Marson PhD - Head Preclinical R&D

KEY MILESTONES TO DATE
- Equity investment: $3M venture capital 2015.
- Grants: $8.6M from NIH (NIDDK, NIA, NINDS, NICHD) and the State of NC since 2014.

POWERED BY
Blackstone Entrepreneurs Network (BEN); CED; First Flight Venture Center; SBTDC; NC Biotechnology Center, One NC Small Business Program, Morrisville Innovation Foundation, One NC Small Business Program

CONTACT
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Research Triangle Park, NC

Learn more about the CED Life Science Conference.

Company Profile: Duchess Health
CED Life Science Conference 2018 - Innovation Room

www.duchesshealth.com
Sub-sector: Healthcare IT/ Digital Health
Year Founded: 2016

COMPANY PROFILE
Despite $2.7 Trillion Dollars Being Spent on Chronic Disease, the Chronic Disease Epidemic Now Affects 1 in 2 adults. There is not only a need for Health Care Reform but Health Reform. Because People and the Planet Are Interconnected, A Whole Health Solution that Takes Into Account Individuals, Their Local Communities, and the Environment is Required.

Duchess Health is an Innovative Virtual Whole Health Ecosystem. Our Mission is to Make Whole Health Products, Services, and Community Accessible to Anyone, Anywhere. Our Platform Helps Clients Feel Better, Achieve Greater Vitality, Lose Weight, Be More Fit, Manage Stress Better, Sleep Better, and/or Reverse Chronic Disease. Our Corporate Goal is to Support the Health of 100 Million People by 2025. The Signature Duchess App in Development Enables Clients to Play in A Health and Community Cloud Playground Where There is a Holistic Pharmacy, an Uber Model D2C Diagnostic Laboratory, Health Food, Health Education, and Telehealth. Our App is Beautiful, User Friendly, and Habit Forming and Meant to Tangibly Improve People's Lives.

FOUNDERS/MANAGEMENT TEAM
Ruth Lininger MD MPH- Founder and CEO; Joel Garcia- CTO; Michael Aquilino- CIO, Corporate Strategy and Business Development; To Be Recruited- CoFounder; COO; E-Commerce, Marketing

KEY MILESTONES TO DATE
- Addition of Joel Garcia as CTO in 2017
- Exploratory Partnership with Duke Business School Leadership 2017
- Accolades: 2018 NC Life Sciences Innovation Room
- Funding: Privately funded to date
- Tierpoint Cloud Grant, 2018, pending final decision
- Incorporated technologies planned in 2018: EHR integration, HIPAA compliance
- Release of Duchess Health App in Early 2018 planned
- Revenue: Pre-revenue, App market test validation and ROI planned 2018

POWERED BY
CED, CED FastTrak Tech Program, Duke Integrative Health Leadership Program, Duke Business School Leadership Program, Bravewell Collaborative, Academy of Integrative Health and Medicine, UNC Health- Deans Office, Department of Pathology and Laboratory Medicine, Department of Physical Medicine and Rehabilitation, and Program on Integrative Medicine

CONTACT
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COMPANY PROFILE: East River BioSolutions

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

www.EastRiverBio.com
Sub-sector: Research Tools / Cell Culture
Year Founded: 2016

COMPANY PROFILE
East River BioSolutions is revolutionizing the $7B+ cell culture market with its first-in-class tissue-specific biomaterials, enabling faster, more accurate and actionable results for scientists working in pharmaceutical development, cell biology research and regenerative medicine. Rather than isolated components or synthetic materials, the Company's innovative patent-pending products provide a natural, physiological cell culture environment in which to develop, test and deliver treatments and cures to patients more quickly and less expensively. The company began commercializing its products in Q1 2017 to meet the growing demand for natural cell substrates, and is raising $3M to scale and reach profitability within 24 months.

FOUNDERS/MANAGEMENT TEAM
Andrea Nye, CEO
John O'Neill, CSO
Tanya Yankelevich, Director of Business Development

KEY MILESTONES TO DATE
- Funding: $1.5M seed, June 2016
- Launched beta product line in January 2017
- Existing proof-of-concept revenue line
- Accolade: Participated in Columbia-Coulter Translational Research Partnership; Chosen for highly selective inaugural membership cohort in Alexandria Center for Life Sciences LaunchLabs

POWERED BY
Columbia-Coulter Translational Research Partnership; Alexandria Center for Life Sciences LaunchLabs

CONTACT
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New York, NY

Learn more about the CED Life Science Conference.

Company Profile: Element Genomics

CED Life Science Conference 2018 - Showcase (Coulter)

Sub-sector: Biotechnology – Drug Development
Year Founded: 2015

COMPANY PROFILE
Most common diseases, (heart disease, diabetes, cancer, auto-immune disease, psychiatric disease, etc.) have a strong genetic component. However, recent studies that relate genetic variation to these diseases have shown that the variants related to common disease are not in the genes themselves but in the areas of the genome that regulate gene expression. This area of the genome, formerly known as ”junk DNA”, is controlled by chemical and structural modifications, known as the epigenome, rather than changes to gene sequences. Element’s founders have developed the first comprehensive tool kit for the targeted perturbation and understanding of the epigenome. Element is using this tool kit to develop drugs that operate through the epigenome to alter gene levels, rather than directly targeting the proteins that are the product of these genes. Thus Element can address situations where more of a protein is required by turning a gene on, or where drugs cannot inhibit a disease protein, such as repressing the production of undruggable oncogenes. There are multiple billion-dollar market opportunities for Element’s development program.

FOUNDERS/MANAGEMENT TEAM
Charles Gersbach – Associate Professor of Biomedical Engineering, Duke University
Greg Crawford – Associate Professor of Pediatrics, Duke University Medical Center
Tim Reddy – Assistant Professor of Bioinformatics, Duke University Medical Center
Kris Wood – Assistant Professor of Cancer Biology, Duke University Medical Center
John Oxaal – CEO

KEY MILESTONES TO DATE
- Received $5M seed financing in December 2016
- Began lab operations in BioLabs in Downtown Durham, NC in December 2016

POWERED BY
ARCH Venture Partners; Piedmont Ventures, One NC Small Business Program

CONTACT
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Learn more about the CED Life Science Conference.

Company Profile: EncepHeal Therapeutics

CED Life Science Conference 2018 - Lightning Round; Innovation Room

www.encepheal.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2015

COMPANY PROFILE
We have a vision to break the cycle of addiction using next generation neurotherapeutics. We are starting with a first-in-class treatment option for cocaine and methamphetamine addictions.

FOUNDERS/MANAGEMENT TEAM
Aaron Lazarus - Chief Executive Officer Omeed Rahimi, Ph.D. Candidate - Chief Science Officer Ayana Martin, Ph.D. - Chief Business Development Officer Steve Childers Ph.D. - Chief Research Officer

KEY MILESTONES TO DATE

- In April 2016, we acquired an exclusive license from the NIH for the library of modafinil analogs. The license covers six patents filed by the NIH both domestically and internationally. In April 2017, we received our first significant funding in the form of a Phase I SBIR grant. In the fall of 2017, we began our research at Wake Forest. Lastly in November 2017, the US patent for these compounds has been allowed by the patent office.
- Accolades: Our company was a finalist in the 2014-5 Neuro Startup Challenge, a national competition designed to startup companies around specific NIH inventions. EncepHeal was also accepted into the Triad Startup Lab and was a finalist in the New Ventures Challenge in 2016. Lastly, in 2017 EncepHeal was named one of the startups to watch in the Triad by Exitevent as well as an early stage presenting company at SEBIO.
- Funding: We have received a $520,000 in funding from a Phase I SBIR grant, a One NC Matching Grant, a small grant from Wake Forest University, and a small business research loan from the North Carolina Biotechnology Center.

POWERED BY
Innovation Quarter; SBTDC; Wake Forest Innovations, One NC Small Business Program

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Winston-Salem, NC

Learn more about the CED Life Science Conference.

Company Profile: Esanex, Inc.

CED Life Science Conference 2018 - Showcase Only

www.esanexpharma.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2011

COMPANY PROFILE
Esanex, Inc. is a clinical stage oncology company that is developing SNX-5422, a best-in-class, oral Hsp90 inhibitor for both solid and liquid tumor indications.

FOUNDERS/MANAGEMENT TEAM
Steven E. Hall, President & CEO
Eric Orlemans, CSO and EVP, Development
James Hinson, Jr. CMO
Richard Crawley, Regulatory
Catherine Ross, Clinical Operations

KEY MILESTONES TO DATE

- Esanex has now dosed nearly 200 subjects and recently completed two phase 1b studies, one in NSCLC and one in subjects with neuroendocrine tumors. Objective responses were observed in both studies at a frequency to warrant advancement of this drug into pivotal studies.
- Funding: $18.1M; $15.5M Series A; $2.6M Series A extension

CONTACT
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Indianapolis, IN

Learn more about the CED Life Science Conference.

Company Profile: EydisBio

CED Life Science Conference 2018 - Lightning Round; Innovation Room

Sub-sector: Biotech and Pharmaceutical
Year Founded: 2016

COMPANY PROFILE
EydisBio is developing a novel, targeted theranostic for radio-ablation of breast and other cancers.

FOUNDERS/MANAGEMENT TEAM
Tim Haystead, Acting CEO; Professor, Duke University; Founder, Serenex (acquired by Pfizer) - Neil Spector, MD, Acting Chief Medical Officer; Associate Professor of Medicine, Associate Professor of Pharmacology & Cancer Biology, Member of Duke Cancer Institute, Duke University School of Medicine - Philip Hughes, Lead Medicinal Chemist; Senior Research Scientist, Duke University

KEY MILESTONES TO DATE
- First in man data expected 2H 2018
- Accolades: Our CEO is both a tenured professor at Duke University and the founder of Serenex Inc., an oncology therapeutics startup which was created 2000, raised $73 M, and was ultimately acquired by Pfizer (for an undisclosed amount).
- Funding: Work was supported by two large multicenter collaborative grants from the DOD. Department of Defense (Haystead) 2/01/15 ? 1/31/18 Development of tethered Hsp90 Inhibitors Carrying Radiolabelled Probes to Specifically Discriminate and Kill Malignant Depart

POWERED BY
Duke Innovation and Entrepreneurship Initiative (I&E); Duke Office of Licensing and Ventures (OLV)

CONTACT
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Durham, North Carolina

Learn more about the CED Life Science Conference.

Company Profile: Falcon Therapeutics, Inc.

CED Life Science Conference 2018 - Lightning Round; Innovation Room

www.falcontherapeutics.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2015

COMPANY PROFILE
Falcon Therapeutics is a pre-clinical engineered cell therapy company targeting solid tumors throughout the body, including Triple Negative Breast Cancer (TNBC) and Glioblastoma (GBM). Falcon has exclusively licensed UNC patents pending that cover methods and compositions developed in the laboratory of Dr Shawn Hingtgen that enable rapid transdifferentiation of fibroblasts from a patient's skin sample into tumor-homing cells that produce anti-cancer agents. These cells home to GBM foci throughout the brain when placed in the primary tumor resection site on a pliable, proprietary scaffold material and home to metastatic cancer sites throughout the body after IV infusion. TNBC sites are eliminated with as few as two infusions of cells. Falcon is seeking a corporate partner and/or Series A venture round.

FOUNDERS/MANAGEMENT TEAM
Karen Giroux , Chairman & CEO Anna Seal, CFO

KEY MILESTONES TO DATE
- NIH STTR funding Science paper Nature paper
- Accolades:
- Funding: $700,000 Series Seed $225,000 NIH STTR Phase I grant $59,000 NC Dept Commerce matching grant

POWERED BY
Kickstart Venture Services; CED; Innovate Carolina (UNC-CH Innovation & Entrepreneurship); SBTDC; UNC Chapel Hill Office of Technology Development (OTD) Wyrick Robbins, One NC Small Business Program

CONTACT
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Chapel Hill, NC

Learn more about the CED Life Science Conference.

Company Profile: Global Specimen Solutions

CED Life Science Conference 2018 - Innovation Room

www.GlobalSpecimenSolutions.com
Sub-sector: Healthcare IT/Digital Health
Year Founded: 2013

COMPANY PROFILE
Global Specimen Solutions (GSS) provides innovative pipeline data management and analytics solutions and services designed to optimize human specimen research.

FOUNDERS/MANAGEMENT TEAM
Amelia Warner - CEO
Tom Wollman - COO / CFO Pete Tearle - CTO Tom Grimes - SVP, Corporate Strategy and Business Development Gabriel Balant - SVP, Software Development Scott Craig - VP, Global QA

KEY MILESTONES TO DATE

- 2016 - Global Partnership with world's largest Central Lab - Covance / LabCorp 2017 - TBJ Best CRO in the Triangle. 300% employee growth in 2017.
- Accolades: Triangle Business Journal - 2017 Best CRO - Life Science Awards Amelia Warner - one of Triangle top women in business - 2017, Triangle Business Journal
- Funding: Angel funding - private information

POWERED BY
CED

CONTACT
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Learn more about the CED Life Science Conference.

Company Profile: HealthImpact.studio

CED Life Science Conference 2018 - Innovation Room

http://www.healthmpact.studio
Sub-sector: Healthcare IT/Digital Health
Year Founded: 1985

COMPANY PROFILE
HealthImpact.studio provides compelling, engaging, and entertainment quality games with health impact to consumers interested in entertainment and health improvement, and organizations seeking to affect employee health or lower health insurance costs.

FOUNDERS/MANAGEMENT TEAM
Bradley Tanner, MD
Mary Metcalf, PhD
Karen Rossie, DDS, PhD

KEY MILESTONES TO DATE

- The release of Food Fight VR Game in early January Planned.
- Accolades: Digital Health Awards Winners Fall 2017 GOLD / Clinical Encounters: Pain - Web Version SILVER / Clinical Encounter:Pain - Mobile App Version
- Funding: Clinical Tools has been successful at obtaining SBIR Funds for an older business model based on online training.

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Learn more about the CED Life Science Conference.

Company Profile: HistoSonics, Inc.

CED Life Science Conference 2018 - Showcase (Coulter)

http://histosonics.com
Sub-sector: Med Device
Year Founded: 2009

COMPANY PROFILE
HistoSonics is a venture-backed medical device company that is developing a unique new platform technology that has the potential to fundamentally change the nature of cancer care. The company's novel Robotically Assisted Sonic Therapy (RAST) is a completely non-invasive beam therapy that can be used to safely, precisely and effectively destroy unwanted tissue, including cancers, without using heat (burning) or ionizing radiation. This new platform technology has the potential to reduce patient trauma and time to recovery, improve quality of life, and reduce healthcare costs for all - patients, providers and payers.

The company's primary focus is on abdominal cancers, starting with liver, with extensive preclinical evidence already established in liver, kidney, pancreas and brain. HistoSonics is also working with multiple collaborators on the significant impact that RAST and its unique properties could potentially have on the immunotherapeutic response of patients who suffer from these terrible cancers.

FOUNDERS/MANAGEMENT TEAM
Mike Blue, President & CEO
Chris Gibbons, COO & Co-Founder
Jim Bertolina, PhD, CSO & Co-Founder
Josh Stopek, PhD, VP of R&D
Robin Rowe, VP of Clinical, Regulatory & Quality

KEY MILESTONES TO DATE
- Extensive IP portfolio and exclusive worldwide license from the University of Michigan.
- Designed, built and tested RAST delivery systems, including 60601 testing.
- Executed extensive successful preclinical work across numerous medical indications.
- Multiple new technology and innovation awards.
- Added noted radiologist and tumor ablation expert, Fred Lee, Jr., MD, as Senior Medical Advisor and Board Director - 2016.
- Successful GLP preclinical liver study leading to human study in liver cancer patients to commence in 2018.
- Funding: $28M

CONTACT
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Learn more about the CED Life Science Conference.

COMPANY PROFILE: i-Function

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

http://www.i-Function.com
Sub-sector: Healthcare IT
Year Founded: 2016

COMPANY PROFILE
i-Function bridges the "real world functioning skills" gap between daily life, functional skills and technology and can help older people and people with cognitive impairments (MCI, stroke, traumatic brain injury, etc.) regain their prior functional skills or assist them with the acquisition of new functional skills such as those needed to manage emerging and existing technologies (medication management, banking, shopping, etc.). This takes place through a proprietary, unique & evidence-based, functional skills assessment and training software platform. Enhancing functional skills requires training on these activities (normally taking place via in-person training by a trained clinician, caregiver or a family member); currently expensive and often not available to many of those in need.

The solution allows for increased productivity, reach & reduction of costs for clinicians & caregivers and for restored independence (e.g., staying in one's own home longer), improved ability to learn new skills & higher quality of life for users.

FOUNDERS/MANAGEMENT TEAM
Peter Kallestrup - Co-founder & CEO
Sara J. Czaja, Ph.D. - Co-founder & CSO (aging)
Philip D. Harvey, Ph.D. – Co-founder & CSO (neuropsychiatry)

KEY MILESTONES TO DATE
· i-Function is commercializing the first research based integrated functional skills assessment and training software solution, currently with sales over $100,000
· Initial 3 studies have produced very positive results (R&D investment $1M)
· NIH recently funded a SBIR (Sep.2017) for a new 22 months study ($450,000)
· Solution has been used by researchers at several top medical facilities including Harvard Medical School and Johns Hopkins
· Solution is currently out-licensed to two paying global pharmaceutial companies
· Commitment (incl. funding) is in place for 2 additional studies in 2018/2019
· Funding: Grants (NIH & Coulter), self-funded.

CONTACT
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Company Profile: Indexus Biomedical LLC

CED Life Science Conference 2018 - Innovation Room

Sub-sector: Diagnostic
Year Founded: 2013

COMPANY PROFILE
Indexus Biomedical aims to make advanced diagnostic testing affordable and accessible to all through revolutionary POC platforms having multifunctional testing capabilities. Our multi-function TriSense Dx technology will provide routine blood work (the CBC test) and an expandable menu of specialty immunoassays for biomarker and pathogen detection on a single, low-cost platform. With support from the National Institutes of Health (NIH), NC Biotechnology Center. and NC Department of Commerce, Indexus has built a functional prototype and demonstrated assays for hematology analysis (with 5-part WBC differential), HIV antibody and antigen detection, CD4 counting, the detection of malaria in whole blood, and the detection of bacteria in fluid samples. Indexus is currently collaborating with the CDC, UNC Medical School and Duke University to move this technology further forward.

FOUNDERS/MANAGEMENT TEAM
Chiranjit Deka

POWERED BY
One NC Small Business Program

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Learn more about the CED Life Science Conference.

COMPANY PROFILE: Inscope Medical Solutions, Inc.

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

www.inscopemedical.com
Sub-sector: Medical Devices
Year Founded: 2014

Company profile:
Inscope Medical is a medical device company focused on improving the speed, safety, and effectiveness of airway intubation through our novel laryngoscopes with integrated and controllable suction. Our current device portfolio consists of two devices: *The Inscope™ Direct* ($20) is the first laryngoscope with integrated and controllable suction. The Inscope Direct's single-use design is ideal for emergent intubations (pre-hospital, ED, and ICU) when airway secretions are a significant problem. The Inscope Direct is registered with the FDA as a Class I, 510K exempt device and is commercially available. *The Inscope™ Video*, combines all of the features of the Inscope Direct, but includes a wireless video modular that allows the to stream a video view to a nearby tablet. The Inscope Video's integrated suction keeps the camera lens clear of secretions and fogging, providing a continuously clear view. The Inscope Video system includes a single use blade and handle ($20), a reusable video module ($350), and a tablet/case/mount/charger ($650). This radically disruptive pricing model allows the video technology to be affordably accessible in all settings. The Inscope Video is in development and will be commercial ready in Q4 2018.

Founders/Management Team
Maggie Galloway, Chief Executive Officer; Adam Casson, Chief Operating Officer; Mary Nan Mallory, MD, Chief Medical Officer

Key Milestones to Date
- Completed R&D and Class I FDA Registration of the Inscope™ Direct. Secured distribution contracts with two distribution partners and achieved first sales of the Inscope™ Direct.
- Completed functioning prototypes of the Inscope™ Video. Market launch planned for late Q4 2018.
- Accolades: Participated in Techstars Healthcare Accelerator in partnership with Cedars-Sinai hospital in Los Angeles. Won the 2017 EMSToday Hot Product Award.
- Funding: Raised $2.3M of seed capital and $300K of non-dilutive funding

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Jeffersonville, IN

COMPANY PROFILE: Intact Therapeutics

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

http://www.intacttherapeutics.com
Sub-sector: Pharmaceuticals/Drug Delivery
Year Founded: 2015

COMPANY PROFILE

Intact is developing a novel thermosensitive drug delivery platform for the treatment of gastrointestinal (GI) disorders. The initial target is ulcerative colitis, a form of inflammatory bowel disease (IBD) that affects millions worldwide. Today, a first line therapy for ulcerative colitis is the mesalamine enema. While mesalamine has been shown to be effective, in the enema dosage form it is difficult to retain, leading to patient adherence as low as 32%. Using gentle, biocompatible ingredients, Intact has developed a proprietary formulation that is liquid at room temperature, enhancing delivery, but then becomes a viscous, mucoadhesive gel at body temperature, enhancing retention, efficacy, and comfort. The team has completed preclinical and pilot human studies showing improved efficacy, patient retention, and comfort. The team is also exploring other indications for the platform in the GI field.

FOUNDERS/MANAGEMENT TEAM

CEO – Ravi Pamnani; Founder/Scientific Advisor – Sid Sinha, MD

KEY MILESTONES TO DATE

· Preclinical validation in two mouse models demonstrating improved efficacy vs. standard of care
· Published preclinical work in leading journal in field (Gastroenterology)
· Conducted clinical evaluation in healthy volunteers to assess preference – 100% of subjects (n=19) preferred our product vs. standard of care
· Conducted first-in-human (FIH) feasibility and safety study in 2 patients with ulcerative colitis with excellent treatment results

POWERED BY

Coulter Foundation, Stanford SPECTRUM (Clinical/Translation Science Award), Stanford Byers Center for Biodesign, Stanford Gastroenterology, Angel Funding

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Company Profile: Jericho Sciences, LLC

CED Life Science Conference 2018 - Innovation Room

http://jerichosciences.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2009

COMPANY PROFILE
Novel Antiviral Therapeutics and corresponding Personalized Diagnostics addressing limitations of current combination Antiretroviral Therapy for HIV-1 Infection.

FOUNDERS/MANAGEMENT TEAM
Heidi Kay, Ph.D.

KEY MILESTONES TO DATE

- Most preclinical safety studies completed without significant adverse events
- FIV/cat disease model translates both safety and efficacy; SIV/Nohnhuman primate model testing in progress.
- 2 Awarded US Patents, 33 claims; 1 Pending Application FTO search 3 Provisional Patents (with international reach) being filed
- Accolades: Not in the public domain.
- Funding: Funded by the following SBIR Grants ($3.8M; nondiluted): NIH/NIMH No. 1R43MH090930; NIH/NIMH No. 1R43MH096663; NIH/NIMH No. 5R43MH090939; NIH/NIMH No. 2R44MH096663 and NIH/NIAID No. 1R43AI120841; Qualifying Therapeutic Development Program; Other.

POWERED BY
CED; First Flight Venture Center

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Research Triangle Park, NC

Learn more about the CED Life Science Conference.

Company Profile: Kepley BioSystems, Inc.

CED Life Science Conference 2018 - Lightning Round; Innovation Room

https://kepleybiosystems.com/
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2013

COMPANY PROFILE
Kepley BioSystems, Inc. (KBI) is a North Carolina biotech founded in 2013 and focused on disruptive innovation and global solutions, including: sustainable, synthetic crustacean and pelagic fish bait; redefining aquaculture feeds; developing enriched feed for migrating shorebirds; ranching horseshoe crabs to sustainably harvest LAL, vital to ensuring the safety of pharmaceuticals and medical devices; bringing laboratory quality to bedside testing; and introducing an autologous therapy for breast cancer as an alternative to chemotherapy. KBI originated at the Joint School of Nanoscience and Nanoengineering (JSNN), North Carolina A&T State University and The University of North Carolina at Greensboro. Now located at the Gateway University Research Park proximal to JSNN, KBI is led by Professor Christopher Kepley and Dr. Anthony Dellinger, working in collaboration with lead inventor Terry E. Brady, located on the Caribbean island of Anguilla, British West Indies.

FOUNDERS/MANAGEMENT TEAM Anthony L. Dellinger, Ph.D.

KEY MILESTONES TO DATE

- Funding: NC Sea Grant Agency; National Science Foundation (NSF) Phase I and Phase IB SBIR Grant; National Science Foundation (NSF) Phase II SBIR Grant and Phase II supplemental grants: Technological Enhancement for Commercial Partnerships (TECP), Research Assistantship for High School Students (RAHSS), Research Experience for Undergraduates (REU) and Commercialization Assistance Program (CAP); One Fund North Carolina; Economic Development Partnership of North Carolina, State Trade Expansion Program (STEP) Grant; North Carolina Biotechnology Center (NCBC), Industrial Intern Partnership (IIP) Grant
- Appeared at: BioMarine Business Convention; North Carolina Technological Association; Hello Tomorrow Challenge: Food and Agriculture; NC Idea Competition; NC Coin Event; Nanomanufacturing Conference; Duke Kunshan International Conference on Innovation and Entrepreneurship, China; Fish 2.0 Innovation Forum, Stanford University; FoodCon 2017; Savannah State University Interventional Marine Ecology Symposium; Small Business Development Center Client Showcase on Capital Hill
- As seen in: Scientific American; Associated Press; The New York Times; The Washington Post; Boston Herald; CNBC News; The Anguillian; Triad Business Journal; Global Ecology and Conservation; Undercurrent News; Canadian Broadcasting Corporation; LocalXpress; The New Food Economy; The Journal of Ocean Technology; Greensboro News and Record

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COMPANY PROFILE: Kerberos Biopharma, Inc.
CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

www.kerberospharma.com
Year Founded: 2013

COMPANY PROFILE

Kerberos has elucidated the crucial role of the chemokine receptor CX3CR1 and its ligand Fractalkine in regulating the seeding and growth of breast cancer cells to skeleton and soft-tissue organs. Kerberos has synthesized novel, potent and selective small-molecule antagonists to target CX3CR1 receptor and have provided pre-clinical validation of their activity in animal models with high translational relevance.

Clinical proof of principle will be obtained in phase-Ib and phase-II clinical studies on Inflammatory Breast Cancer (IBC) patients, as this tumor progresses dramatically faster than adenocarcinoma. IBC is often difficult to diagnose because it does not usually present with a lump. 35% of women are diagnosed with IBC at an advanced stage and with metastatic disease, in contrast to less than 5% of patients with breast adenocarcinoma. As such, the few treatment options available for IBC are not curative and survival rates at five years are very low.

We have developed a series of small molecule CX3CR1 antagonists to be used in combination with the current standard of care, which for IBC include chemotherapy and / or targeted therapy. Kerberos has a potential IND development candidate (FX-68) which is currently being profiled.

FOUNDERS/MANAGEMENT TEAM

Richard Labaudiniere, PhD, Chairman: Former CEO of FoldRx Pharmaceuticals; Kevin Taylor, CEO: Seasoned Pharma and Biotech corporate development executive officer; Alessandro Fatatis, MD, PhD, CSO: Professor of Pharmacology and Pathology at Drexel University College of Medicine; Shawn Bridy, MA, MBA, CFO: Venture Partner for Militia Hill Ventures, Former Head of Business Development for Immunome; Olimpia Meucci, MD, PhD, Head, Preclinical Development: Professor and Chair, Department of Pharmacology and Physiology & Director, Center of Neuroimmunology and CNS Therapeutics, Institute of Molecular Medicine and Infectious Diseases, at Drexel University College of Medicine; Joseph Salvino, PhD, Head, Drug Discovery: Professor of Medicinal Chemistry and Scientific Director at The Wistar Institute and Cancer Center.

KEY MILESTONES TO DATE

- Founders have been awarded over $4.5M in grant and research funding to date
- Coulter award – Q3 2017
- SBIR Phase II awarded - September 2017

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COMPANY PROFILE: Kinos Medical, Inc.

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

Sub-sector: Medical Devices
Year Founded: 2017

COMPANY PROFILE
Kinos Medical, Inc was founded to develop and commercialize a technology poised to revolutionize total ankle replacement surgery. Utilizing hundreds of CT and MRI data sets, the Kinos IP portfolio is an anatomically & biomechanically accurate total ankle replacement platform. All systems in the comprehensive platform feature implants which restore natural joint anatomy and recreate native kinematics. The platform includes the first resurfacing implant system, which eliminates need by traditional systems to remove native bone; the first custom, patient-specific total ankle implant system; and both primary and revision systems. These market firsts are possible because the Kinos technology is based on the results of extensive imaging data, whereas other available devices over-simplify the complexities of the natural anatomy.

Currently available total ankle replacement devices fail twice as frequently as total knee systems. As a result, surgeons perform ankle fusions three times more frequently than ankle replacements. The Kinos platform will reverse these trends, improve patient outcomes and become the standard of care for patients suffering from ankle arthritis.

FOUNDERS/MANAGEMENT TEAM
Brian Garvey, CEO; William Rhoda, Director; Sorin Siegler, Ph.D., CTO; Keith Wapner, MD, Medical Director

KEY MILESTONES TO DATE
- Accolades: 2013 Clinical Biomechanics Award, International Society of Biomechanics
- Coulter Translational Research Program Award: $214,400
- Completed Patent License Agreement with Drexel University, Office of Technology Transfer
- Proof of concept cadaver testing completed
- Funding: $1.0MM Seed Funding

POWERED BY
Coulter Translational Research Program, Drexel University, Steep & Deep Ventures

CONTACT
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Narberth, PA

Company Profile: Lindy Biosciences

CED Life Science Conference 2018 - Lightning Round; Innovation Room

www.lindybio.com
Sub-sector: Drug Delivery
Year Founded: 2016

COMPANY PROFILE
Lindy Biosciences is a development-stage company addressing formulation challenges in the rapidly growing biotherapeutics market. Our core technology, Microglassification™, produces spherical, dense, stable particles of a therapeutic protein, ideal for solid injectable formulations such as high-concentration suspensions or encapsulation for controlled release. Over half of all antibody therapeutics are given intravenously, in part because the high dose required cannot be formulated as a solution in a volume small enough for subcutaneous injection. Lindy Biosciences is developing high-dose suspensions of protein that are suitable for subcutaneous injection, which will decrease administration costs, increase patient comfort and compliance, and enable new high-dose molecules to reach the market.

FOUNDERS/MANAGEMENT TEAM
Dr. Deborah Bitterfield, CEO Mr. Neil Jones, VP, Corporate Strategic Partnerships Mr. Michael Doherty, Director, Technology Development

KEY MILESTONES TO DATE

- Intellectual property licensed from Duke University (Dr. David Needham) ? Spinning off from Southeast TechInventures early 2017 - Awarded Small Business Research Loan for $200k from the NC Biotech Center in June 2017 - Established collaborations/agreements with 2 of the top 5 global biologics companies, with several others in discussion
- Accolades: Highlighted in Global Drug Delivery & Formulation Report (2017) as one of 10 ‘Notable Drug Delivery & Formulation Technologies’ that could impact the industry.
- Funding: Lindy Biosciences spun off from Southeast TechInventures (STI) in early 2017. Previous development has been supported by STI and >$800k in small business innovation research (SBIR) grants from the National Science Foundation and National Institutes of Hea

POWERED BY
Southeast TechInventures, NC Biotech Center

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Durham, NC

Learn more about the CED Life Science Conference.

Company Profile: Lociomics

CED Life Science Conference 2018 - Innovation Room

www.Lociomics.com
Sub-sector: Diagnostic
Year Founded: 2016

COMPANY PROFILE
Lociomics is a start-up biotechnology company focused on developing systems to spatially relate the genomic and proteomic basis of a cell with it morphological state. Developing Omni, we are focused on revolutionizing clinical research workflows for cancer studies, providing single cell resolution for the most common routinely collected sample types. The Omni system creates a novel data rich method of analysis for tissue samples representing a large market opportunity. The Company's scientists and engineers are currently conducting research on multiplexed sample preparation technologies for FFPE tissue sections and nucleated live cells from blood. The proprietary design architecture developed by Lociomics removes the guesswork and generates a queryable database coordinated with high resolution histopathology image of individual cells in a tissue sample. We accomplish this by employing high density spatially resolved molecular identifiers that interact with the sample using NGS methods of analysis.

FOUNDERS/MANAGEMENT TEAM
Jay West Kyle Hukari Anne Leyrat Naveen Ramalingam

KEY MILESTONES TO DATE
- Development of the first Prototype device - Oct 1st, 2017 Deployment to Customer site (Planned) Q1-2018
- Funding: 250K -self funded by Founders

CONTACT
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Chapel Hill, North Carolina

Learn more about the CED Life Science Conference.

Company Profile: Lumedica

CED Life Science Conference 2018 - Lightning Round; Innovation Room

lumedicasystems.com
Sub-sector: Medical Device
Year Founded: 2014

COMPANY PROFILE
Lumedica is comprised of believers and builders of affordable healthcare technologies. With a proven track record in scientific innovation and product development, Lumedica creates affordable light-based scientific and medical instruments that deliver accurate diagnostic results. Leveraging off-the-shelf and custom imaging components, Lumedica is able to make diagnostic devices cheaper, more durably, and easier to disseminate. Our first initiative is building a novel, patented device to administer OCT (Optical Coherence Tomography) technology "the gold standard for retinal imaging" to detect chronic, asymptomatic eye diseases. The company was founded in 2014 based on research conducted at Duke University's BIOS Laboratory. Other technologies and innovations are in the development pipeline.

FOUNDERS/MANAGEMENT TEAM
Adam Wax, CEO
William Brown, CTO

KEY MILESTONES TO DATE
- Product debut: 2017 Photonics West BIOS exhibition First sale: April 2017 First distributor signed: Oct 2017 - Edmund Optics will distribute our product beginning January 2018. Established supplier of optical equipment and systems with 75 year history and catalog circulation of 40,000
- Accolades: 2018 PRISM award finalist 2017 SPIE startup challenge finalist
- Funding: $260k grant revenue, $75k loan via convertible note

POWERED BY
Duke Office of Licensing and Ventures (OLV) NC Biolabs, One NC Small Business Program

CONTACT
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Durham, NC

Learn more about the CED Life Science Conference.

Company Profile: MAA Laboratories

CED Life Science Conference 2018 - Innovation Room

http://www.maalaboratories.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2013

COMPANY PROFILE
MAA Laboratories, Inc. is a pharmaceutical company that uses proprietary NanoContTM technology to combine nano-delivery systems and continuous manufacturing. We nanoformulate existing poorly water-soluble drugs by utilizing a proprietary technology to produce products with competitive advantages by improving one or more of the following aspects: therapeutic efficiency, targeted drug delivery, and/or mitigation of undesirable effects. Long term, MAA will integrate reformulation technology with continuous process technology to reduce average drug product production time by 50%.

FOUNDERS/MANAGEMENT TEAM
Anjani Jha
Pieter de Ridder
Bud Owen

KEY MILESTONES TO DATE
- Raised $325k from NCBC
- Completed preclinical studies

POWERED BY
Blackstone Entrepreneurs Network, CED, Duke Office of Licensing and Ventures, First Flight Venture Center, HQ Raleigh, NC Biotechnology Center, NC State Office of Technology Transfer, NCCU Office of Technology Transfer, SBTDC, SCORE, The Frontier- RTP, One NC Small Business Program

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Raleigh, NC

Learn more about the CED Life Science Conference.

COMPANY PROFILE:MicroElastic Ultrasound Systems

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

http://www.microelastic.com/
Sub-sector: Medical Device
Year Founded: 2016

Company Profile
MicroElastic Ultrasound Systems, founded in 2016, is developing a handheld device that quantifies the elasticity of skin at the touch of a button. Skin elasticity is important for evaluating elective treatments like anti-aging therapies, and crucial for tracking skin manifestations of difficult-to-manage diseases like Graft-Versus-Host-Disease (GVHD). For doctors who need reliable measurements to make decisions about when to treat, what to treat with, and for how long, the standard of care remains a "pinch-and-score" test which in both inherently qualitative and unreliable. Indeed, the NIH working group on GVHD has declared that "There is an urgent need for the development of more quantifiable and reproducible measurements or imaging methods that could be used in patients with sclerotic skin manifestations of chronic GVHD". MicroElastic has built its proprietary technology, developed at Duke, into a functional prototype for clinical testing, which uses high frequency ultrasound to vibrate and characterize the skin's elastic properties directly, providing a repeatable and reliable numeric measurement. MicroElastic is currently preparing for FDA 510(k) submission, funded by an NIH STTR grant for the GVHD application, and is also generating interest in the aesthetic industry for its direct application to anti-aging procedures.

Founders/Management Team
Peter Hollender, Ph.D. Founder and CEO
Mark Palmeri, MD, Ph.D. Chief Scientific Advisor
Rich McGivney, CFO

Key Milestones to Date

- Three international Patents filed
- Two years Duke-Coulter Translational Research Partnership funding ($300k)
- NIH Phase I STTR (National Cancer Institute) ($150k)
- Clinical trial planned spring 2018
- Strategic partnership in development

Contact Peter Hollender peter.hollender@microelastic.com Durham, NC

Company Profile: Mikro Biyosistemler

CED Life Science Conference 2018 - Innovation Room

www.mikrobiyo.com.tr
Sub-sector: Diagnostic
Year Founded: 2015

COMPANY PROFILE
Mikro Biyosistemler is a spin-off from METU, Turkey and develops tagCTC, a lab-on-a-chip platform for Circulating Tumor Cell isolation for cancer diagnosis and prognosis, with competitive edge on performance, cost, and time-to-result. USPs are high purity viable CTC collection at the output and prompt cell count. tagCTC will be in the market in 2020 as a Research Use Only purpose product. The company received seed investment through European Investment Fund, and seeks for Series A investment round for completing the clinical validation studies of tagCTC, as it is targeted to be used as an IVD device.

FOUNDERS/MANAGEMENT TEAM
Prof. Dr. Haluk Külah: CEO Dr. Özge Zorlu: CTO Assoc. Prof. Dr. Ebru Özgür: Clinical Research Director

KEY MILESTONES TO DATE

- 2018 Q1: Analysis unit prototype ready 2018 Q3: Lab. data with the integrated lab-on-a-chip device 2019 Q2: Analytical validation 2020 Q2: Design freeze 2020 Q4: RUO market launch
- Accolades:
- Funding: Seed investment of EUR 2M. National research and H2020 SME Instrument grants: ~EUR 800k

CONTACT
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Ankara, Turkey

Learn more about the CED Life Science Conference.

Company Profile: MVTRAK LLC

CED Life Science Conference 2018 - Lightning Round; Innovation Room

www.mvtrak.com
Sub-sector: Healthcare IT/Digital Health
Year Founded: 2015

COMPANY PROFILE
MVTRAK is a health and safety monitoring company solving the $20B problem in concussion and Traumatic Brain Injury (TBI) for sports, the military, and the elderly. The company spun out its patent-pending technology from Duke University—an in-ear sensor and software suite for monitoring head motion and impacts, as well as other biometrics. The technology has been proven in use with NCAA and high school teams--football, soccer, lacrosse--and in the military with Naval Special Warfare.

FOUNDERS/MANAGEMENT TEAM
Noel Heiks, CEO
Dale Bass, CTO
Cindy Cone, Co-Founder
Dr. Bruce Capehart MD, Co-Founder

KEY MILESTONES TO DATE
- --First international sales 2017 --Addition of Noel Heiks as CEO in 2017 --2017 Completion of 3 year longitudinal study of MVTRAK's technology vs. competition with local private high school football team and multiple universities --PCT patent filings 2014
- Accolades: --NCIDEA $50,000 grant award winner --Featured at the Congressional Neuroscience Caucus in Washington, DC --Featured in the Quarterly Science and Technology Briefing to Ft. Bragg with NCMBC --Finalist in the RTP TrailblazHER contest for female entrepreneurs --Featured in Hustle and The Bitter Southerner: "Southern Startups Pioneer Wearables Beyond Exercise"
- Funding: Privately funded by founders.

POWERED BY
CED; Duke Office of Licensing and Ventures (OLV); Groundwork Labs; The Frontier - RTP; NC Biotechnology Center, NCDBA, NCMBC

CONTACT
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Chapel Hill, NC

Learn more about the CED Life Science Conference.

Company Profile: MycoMed Technologies

CED Life Science Conference 2018 - Lightning Round Only

www.mycomedtechnologies.com
Sub-sector: Diagnostic
Year Founded: 2014

COMPANY PROFILE
Diagnostics company spun out of John Hopkins University developing urine-based tests for infectious diseases. MycoMed has developed a urine based dipstick test to diagnose pulmonary Aspergillus infection, a fungal infection common in immunocompromised patients such as those undergoing treatment for hematologic malignancies, bone marrow transplants, solid tumors, solid organ transplants, chronic lung infections and those treated with immunosuppressive biologics . The company expects to receive 510K clearance for its MycoFlow-ASP test by the end of 2018, supported by grant funding, with commercialization thereafter.

FOUNDERS/MANAGEMENT TEAM
Kieren Marr, MD
Michael Hannan

KEY MILESTONES TO DATE
- Pre-510k meeting with FDA
- Issued patent portfolio covering antibodies, binding molecules and methods to detect antigens in urine.
- Funding to date from state and federal sources including:
- NIH Accelerating Translations Award
- Maryland TEDCO (Phase 1, 3), NSF SBIR (Phase 1), NIH STTR (Phase 1, 2)

CONTACT
Michael Hannan
mhannan@mycomedtechnologies.com
Baltimore, MD

Learn more about the CED Life Science Conference.

Company Profile: Myocardial Solutions, Inc.

CED Life Science Conference 2018 - Showcase Only

www.myocardialsolutions.com
Sub-sector: Diagnostic
Year Founded: 2015

COMPANY PROFILE

Myocardial Solutions, Inc. (MSI) has developed a proprietary rapid, software testing application, called MyoStrain™, for capturing cardiac MR imaging to provide the first, accurate heart health assessment test. The test's primary function is to detect subtle changes in muscle contraction strength which allows cardiologists to detect the effects of disease, drug toxicity and ischemia long before cardiac symptoms or damage occurs. Currently, cardiac care often begins after symptoms occur, which may indicate damage. Early detection allows cardiologists to initiate treatment earlier in order to improve and manage patient outcomes to prevent heart failure. This is a major breakthrough in noninvasive cardiac diagnostics. MyoStrain can detect the effects of cardiac drug therapy to customize treatment. Reimbursement is established, and the technology has been validated in over 250 published articles, including 50+ articles in JACC and Circulation, representing over $70 million dollars in grant funding. MSI has fully developed MyoStrain's technology and the company is focusing on upcoming commercialization.

FOUNDERS/MANAGEMENT TEAM

John Funkhouser, President/CEO; Nael Osman, Chief Technology Officer; Jim Whayne, Chief Clinical Officer; Sid Fleischman, Vice President of Product

KEY MILESTONES TO DATE

- Technology gained acceptance as the gold standard in myocardial strain measurement and is validated in over 250 peer-reviewed articles and 70+ research centers worldwide.
- MSI rewrote software to create the rapid, accurate, and easy-to-use product MyoStrain, making a comprehensive heart health assessment available in under 10 minutes using an MRI scanner (versus 60 minutes previously).
- Added feature to MyoStrain provided traditional cardiac function metrics (such as ejection fraction, mass, and volume) to make the test a one-stop heart function assessment.
- Produced dynamic phantom calibration tool, demonstrating the reproducibility of MyoStrain and its ability to provide consistent results regardless of scanner manufacturer and operator.
- Completion of fully-developed, commercial-ready MyoStrain product.
- Developed KOL base in US and Europe representing over 15 sites incorporating MyoStrain into studies and collecting data.
- Created robust patent portfolio around MyoStrain technology.
- MyoStrain has received a CE Mark and is working towards 510(k) clearance.
- MSI is well-positioned for near-term milestones, including publishing economic justifications for hospitals and payers, collaborations with major MRI manufacturers, automation of MyoStrain, and completion of clinical studies.

CONTACT john.funkhouser@myocardialsolutions.com

COMPANY PROFILE: Nanopore Diagnostics, LLC

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

https://www.nanoporedx.com
Sub-sector: Agtech
Year Founded: 2013

COMPANY PROFILE
At Nanopore Diagnostics we are developing a smart-phone enabled platform that will take microbiology testing from controlled laboratory settings to exactly where it is needed. Our first offering will allow Salmon aquaculture facilities to rapidly screen for bacterial and viral pathogens on-site and find disease days early than is currently possible. We then plan to expand into other aquaculture, ag- tech, and food processing applications.

FOUNDERS/MANAGEMENT TEAM
Tom Cohen, PhD, Co-Founder and CEO
Christoph Bausch, PhD-MBA, Co-Founder and Director Somes Das, PhD, Lead Scientist

KEY MILESTONES TO DATE
● Raised $1.4M to-date through grants and equity-based financing ● Tech prototype built and validated with commercial samples
● 12 issued patents in the US and abroad

POWERED BY
University of Missouri Coulter Program, Biogenerator, Missouri Technology Corporation, Saint Louis Arch Angels, Pipeline, Arch Grants, Wash U

CONTACT
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Saint Louis, MO

Learn more about the CED Life Science Conference.

COMPANY PROFILE: NephroDI Therapeutics, Inc.

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

http://www.nephrodi.com
Sub-sector: Pharmaceutical
Year Founded: 2017

COMPANY PROFILE
NephroDI Therapeutics, Inc. is an early-stage pharmaceutical company that focuses on concentration disorders of the kidney. The initial clinical indication for its orally administered lead small molecule is for Nephrogenic Diabetes Insipidus in children, a pediatric orphan indication. The Company is preparing to enter pre-clinical development with its lead drug candidate. An accelerated clinical development process is expected given the pediatric orphan indication. The product is potentially eligible for the FDA Rare Pediatric Disease Voucher.

FOUNDERS/MANAGEMENT TEAM
Rachael Hagan, M.Sc., President & CEO
Jeff M. Sands, M.D., Director
Ish Khanna, Ph.D., Director
Janet D. Klein, Ph.D.
Ram Pillarisetti, Ph.D.
Donna See, Director
Rifat Pamukcu, MD, FAIMBE, Business & Scientific Advisor

KEY MILESTONES TO DATE
- $250K invested to date
- 2 issued patents, 3rd patent pending
- Lead drug candidate identified
- Proof of principle animal studies complete
- Dose range finding studies identified efficacious dose
- Manufacturing scaled up to 200 grams with optimized synthesis

POWERED BY
Emory/GT Coulter Translational Fund
Georgia Research Alliance

CONTACT
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Philadelphia, PA/ Atlanta, GA

Learn more about the CED Life Science Conference.

Company Profile: NIRvana Sciences

CED Life Science Conference 2018 - Lightning Round; Innovation Room

http://www.nirvanasciences.com
Sub-sector: Diagnostic
Year Founded: 2011

COMPANY PROFILE
NIRvana Sciences is commercializing novel red and near infrared fluorescent dyes that strongly support the trend towards greater multiplexing in diagnostics and imaging platforms.

FOUNDERS/MANAGEMENT TEAM
Russell Thomas, CEO
Bruce Pitner, CSO

KEY MILESTONES TO DATE
- $1.5 million STTR grant from NIH Closed
- $1.4 million Series A

POWERED BY
Blackstone Entrepreneurs Network (BEN); CED; First Flight Venture Center; NC Biotechnology Center; NC IDEA; NC State Office of Technology Transfer (OTT); SBTDC; One NC Small Business Program

CONTACT
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russell@nirvanasciences.com
Durham, NC

Learn more about the CED Life Science Conference.

Company Profile: Novoclem Therapeutics

CED Life Science Conference 2018 - Showcase Only

www.novoclem.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2017

COMPANY PROFILE
At Novoclem we are focused on developing nitric oxide based solutions to treat severe lung infections in patients with chronic respiratory diseases. Our technology harnesses the anti-microbial, anti-inflammatory and mucolytic properties of nitric oxide in solubilized powder form that is administered via a nebulizer. The first indication we are pursuing is for the treatment of pulmonary infections in cystic fibrosis patients. We expect to file our IND and begin human trials in 2018.

FOUNDERS/MANAGEMENT TEAM
Anne Whitaker, CEO & President John Oakley, CFO Mark Schoenfisch, PhD, CSO Kyle Kimble, PhD, JD Patent Attorney

KEY MILESTONES TO DATE
- Demonstrated bactericidal effect against the nine pathogens most prevalent in CF lung infections June 2017 Demonstrated bactericidal effect against
- Accolades: Qualified Infectious Disease Product designation in October 2017
- Funding: $12M seed money

POWERED BY
UNC Chapel Hill Office of Technology Development (OTD)

CONTACT
Anne Whitaker
awhitaker@novoclem.com
Durham, NC

Learn more about the CED Life Science Conference.

COMPANY PROFILE: Novonate
CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

www.novonate.com
Sub-sector: Medical Devices
Year Founded: 2017

COMPANY PROFILE

Novonate is a device company that is made up of a diverse group of engineers and physicians who are passioniate about solving problems in neonatal care. Novonate spun out of the Stanford Byers Center for Biodesign in early 2017, leveraging several years of research that was completed within Stanford University on non-dilutive funding.

Umbilical catheterization is a lifeline for delivering medication and nutrition to critically-ill newborns in the neonatal intensive care unit (NICU), but the procedure is associated with an infection rate that is at least five times that of adult central lines. The current standard of care to secure umbilical catheters is a suture and non-sterile adhesive, which do not at all protect the catheter insertion site. This is in stark contrast to the adult central line standard of care, which involves both effective securement and physical protection of the central line.

Novonate is currently developing LifeBubble, a device that standardizes and simplifies umbilical catheter securement, protects the umbilical catheter-stump interface, and minimizes umbilical catheter translation. LifeBubble dramatically improves upon the current standard of care to ultimately reduce central line-associated bloodstream infections and maintains the current NICU workflow for catheter insertion and securement. The device was designed from in depth user feedback, engineering testing, and in vitro biologic testing.

Planned indications for use relate to catheter securement and insertion site protection, which are similar to other products classified as “intravascular catheter securement devices” by the FDA. This will allow for the most rapid path to commercialization as a Class I medical device with General Controls; no 510(k) submission or clinical trial will be necessary. Novonate expects to complete research and development in order to commercialize LifeBubble very quickly and with cost-efficiently.

FOUNDERS/MANAGEMENT TEAM Eric Chehab, PhD - CEO; James Wall, MD; Ross Venook, PhD

KEY MILESTONES TO DATE

- Received over $300k in grant-based funding and non-dilutive resources
- Closed $1MM Series Seed
- Produced aluminum molds to manufacture one-piece full-silicone LifeBubble
- Secured worldwide exclusive license for technology from Stanford University
- Filed patent applications in US and six international territories

POWERED BY

MedTech Venture Partners; National Science Foundation; Atlantic Pediatric Device Consortium; Stanford Byers Center for Biodesign; Rosenman Institute; StartX

CONTACT Eric Chehab eric@novonate.com Palo Alto, CA

Company Profile: PhosphoGam

CED Life Science Conference 2018 - Lightning Round; Innovation Room

(in development)
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2015

COMPANY PROFILE
PhosphoGam is developing allogeneic cell therapies using gamma delta (GD) t-cells to treat cancer. GD t-cells differ from the alpha beta (AB) t-cells used in CAR-T immunotherapy only in their receptor, but they have significant advantages, acting more quickly & directly than AB cells and do not require antigen targeting (therefore not needing genetic engineering). GD t-cells are uniquely suited to cancer immunotherapy as a study of 18,000 patients in 39 cancer types indicated that the #1 predictor of survival is the patient's level of GD cells, but GD are very rare and difficult to produce. PhosphoGam technology can produce gamma delta t-cells better than anyone in the world.

FOUNDERS/MANAGEMENT TEAM
Dr. Richard Lopez - CEO
Tim Gallagher - CBO

KEY MILESTONES TO DATE
- Technical operations have commenced at BioLabs NC. Our next milestone is to produce sufficient data to win pharma and investor attention, in 1Q2018.
- Accolades: None...yet.
- Funding: self funded, approximately $50,000

POWERED BY
Duke Office of Licensing and Ventures (OLV); LaunchBio

CONTACT
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Durham, NC

Learn more about the CED Life Science Conference.

COMPANY PROFILE: Physcient

CED Life Science Conference 2018 - Showcase

www.physcient.com
Sub-sector: Medical Device
Year Founded: 2007

COMPANY PROFILE
Physcient develops smarter instruments for surgeons. By combining proprietary insights into tissue mechanics with technologies advanced by non-medical fields, we develop instruments that expand the surgeon's abilities while remaining intuitive and easy to use. Our first technology is "Differential Dissection" for blunt dissection, which is used in all major surgeries. The Model DD1 for open surgery has been in clinical use for almost 2 years with great success, and our laparoscopic version is entering the final stages of preclinical design and testing.

FOUNDERS/MANAGEMENT TEAM
Hugh Crenshaw, CEO
Chuck Pell, CSO
Eric Espenhahn, COO
Ryan Moody, CTO
Greg Ruff, CMO

KEY MILESTONES TO DATE
Funding: 2007-2013: $1.5MM non-diluting funds (grants, NC Biotech loans, etc.), 2013/4: Series A $2MM, 2014/5: Convertible Note, $3.2MM, 2016: Milestone payment $500K from Japanese distributor
Completed 2 clinical trials for the Model DD1 with outstanding results in one and encouraging results in the other
Sales launched in Atlanta, GA
ISO 13485 certified
CE Mark anticipated 1/17
Laparoscopic version used by many surgeons in preclinical tests with highly positive reviews In discussions with potential strategic partners

POWERED BY
CED, NC Biotechnology Center, NC IDEA, NC State Office of Technology Transfer, NCBIO, SBTDC, Southeast Bio, One NC Small Business Program

CONTACT
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Durham, NC

Company Profile: Plakous Therapeutics, Inc

CED Life Science Conference 2018 - Innovation Room

http://plakoustherapeutics.com/
Sub-sector: Biotech
Year Founded: 2016

COMPANY PROFILE
PLAKOUS THERAPEUTICS, INC is a human biologics company pioneering therapeutics from post delivery birth tissues which effect in situ restorative healing.

FOUNDERS/MANAGEMENT TEAM
Roger Nolan, CEO
Scott Washburn, CMO and Co-founder
Seth Tomblyn, CSO and Co-founder

CONTACT
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stomblyn@plakoustherapeutics.com
Winston-Salem, NC

Learn more about the CED Life Science Conference.

COMPANY PROFILE: Renerva, LLC
CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

https://www.renerva.com/
Sub-sector: Medical Device
Year Founded: 2017

COMPANY PROFILE

Renerva is committed to developing solutions for peripheral nerve injury. Renerva initiated operations in July 2017, but was incubated and derisked for 2 years within the University of Pittsburgh using about $0.9M in nondilutive. Renerva's first product, the Peripheral Nerve Matrix (PNM), is an injectable gel device that accelerates and improves the functional recovery of injured peripheral nerves. PNM will provide surgeons treating peripheral nerve injuries (PNIs) the effectiveness, broad applicability, and ease of use that current neurosurgical solutions lack. PNM is protected by multiple issued U.S. patents, it will be classified in the U.S. as a Class II medical device (i.e., 510(k)) and will be reimbursed by existing codes. Revenue traction in the U.S. is expected by the beginning of 2020, and positive cash flow by early 2021. Mature revenue potential in the U.S. approaches $200M/yr (15% of 2022 U.S. market). A fully outsourced manufacturing supply chain is in already place and we will use contracted regional distributors as sales channels. Renerva has a talented management team and has created a deep network of business, regulatory, and technical consultants, as well as clinical and scientific advisory boards including world-renowned experts and key opinion leaders.

FOUNDERS/MANAGEMENT TEAM

Lorenzo Soletti, President & CEO; Bryan Brown, CTO; Paul Gardner, CMO; Chris Flaherty, Exec. Vice President for IP

KEY MILESTONES TO DATE

- 2014-2017: Technical validation: Completed 8 small and large animal studies showing greater than 90% improvement in structural nerve repair and more than 40% improvement in nerve function over standard of care controls
- Mar-May 2017: Completed nationwide customer discovery showing need validation and initial product-market fit interviewing one-on-one more than 150 stakeholders including 100 surgeons performing nerve repair procedures.
- Jul 2017: Formal company operations started.
- Jul 2017: License with Pitt of 3 issued patents and one in prosecution.
- Jul 2017: Submitted pre-510(k) application to the CDRH at the FDA
- Sep 2017: Trademark ‘Renerva’ issued
- Sep 2017: First peer-reviewed paper published on PNM
- Oct-Nov 2017: Completed early market outsourced supply chain development
- Jul-Dec 2017: Quality management system in place
- Dec 2017: PNM Design Freeze

CONTACT Lorenzo Soletti, PhD, MBA, President and CEO lsoletti@renerva.com Pittsburgh, PA

Company Profile: Redbud Labs

CED Life Science Conference 2018 - Lightning Round; Innovation Room

http://www.redbudlabs.com
Sub-sector: Diagnostic
Year Founded: 2010

COMPANY PROFILE
World-class biotechnology firms use advanced microfluidic technologies from Redbud Labs to boost assay performance. We are pioneering a new category of consumable components with MXR, the world's first fully modular microfluidic mixer. Our product pipeline addresses the highest-value sample processing challenges in the life science industry, from biomanufacturing to molecular diagnostics.

FOUNDERS/MANAGEMENT TEAM
Richard C Spero
Jay K Fisher
Richard Superfine
Russell M. Taylor

KEY MILESTONES TO DATE

- 2014 - Core technology feasibility 2015 - NC IDEA Grant award 2016 - $3 million total funds to date 2017 - First product, MXR Launched. Seed financing to accelerate marketing & business development
- Accolades:
- Funding: $4.5 million, primarily non-dilutive / $350,000 seed round

POWERED BY
Kickstart Venture Services; Groundwork Labs; Innovate Carolina (UNC-CH Innovation & Entrepreneurship); SBTDC; UNC Chapel Hill Office of Technology Development (OTD) NC IDEA, NC Biotech Center, One NC Small Business Program

CONTACT
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Chapel Hill, NC

Learn more about the CED Life Science Conference.

Company Profile: RFPi, LLC

CED Life Science Conference 2018 - Showcase, Innovation Room

www.rfpi-co.com
Sub-sector: Medical Device
Year Founded: 2014

COMPANY PROFILE
RFPi has licensed a platform blood flow and perfusion imaging technology that has three issued patents plus a portfolio of 10 addition applications. The platform will have first use viewing in realtime blood flow and perfusion during open surgical procedures such as large and small intestine anastomosis, peripheral vascular grafting, and plastic and reconstructive procedures. Other future work will be in endoscope, small hand held clinic and front line monitoring in the DOD.

FOUNDERS/MANAGEMENT TEAM
Jeff Basham - CEO
Peter Geiger - CFO
Cheng Chen PhD - Chief Technical Officer
Bruce Ferguson MD - Chief Medical Officer

KEY MILESTONES TO DATE
- Laboratory prototype completed - December 2014 Series A round - $4.0M raised Commercial prototype completed - June 2017 FDA 510k submission - August 2017 Investment and license agreement with Nipro Corporation of Japan - September 2017
- Accolades: TechConnect National Innovation Award, 2016 SEBIO Early Stage Pitch Competition Winner, 2016
- Funding: $7,900,000

POWERED BY
ECU Office of Technology Transfer

CONTACT
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Greenville, NC

Learn more about the CED Life Science Conference.

Company Profile: Ribometrix

CED Life Science Conference 2018 - Showcase Only

ribometrix.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2014

COMPANY PROFILE
Ribometrix is a platform therapeutics company discovering novel small molecule drugs that target functional 3D RNA structures to treat human diseases. There is an enormous opportunity for small molecules drugs that target RNA, including therapeutically attractive targets across a wide range of indications. We are leveraging a unique technology and our deep RNA expertise for small molecule drug discovery against RNA targets.

FOUNDERS/MANAGEMENT TEAM
Mike Solomon, CEO
Kevin Weeks, Founder
Katie Warner, Sr. Director of Research & Co-Founder
Christine Hajdin, Assoc. Director, Computational Sciences
Jackie Grant, Director of BD

KEY MILESTONES TO DATE
- Closed $7.5M seed round in Oct 2017

POWERED BY
One NC Small Business Program

CONTACT
Jackie Grant
jgrant@ribometrix.com
Boston, MA
(main lab located in Durham, NC)

Learn more about the CED Life Science Conference.

Company Profile: RxMP Therapeutics, LLC

CED Life Science Conference 2018 - Showcase (Coulter)

www.RxMPT.com
Sub-sector: Biologic Therapeutics
Year Founded: 2013

COMPANY PROFILE
RxMP Therapeutics is an emerging pharmaceutical company developing novel hemostatic agents that are designed to arrest or prevent excessive bleeding, thus reducing the need for transfused blood. Based on inexpensively manufactured red blood cell microparticles (RMPs), the company's agents are administered systemically to accelerate the clotting processes. Naturally formed RMPs are found normally in the bloodstream. Clinical studies demonstrate that at risk patients with higher natural levels of RMPs are less likely to experience spontaneous bleeds or require transfusions during surgery

RxMP Therapeutics' RMPs do not trigger clotting, but normalize and accelerate the clotting process once it is underway. RMPs can be used to prevent or treat excessive bleeding, and can be used alone or with locally applied hemostatic agents. RMPs address bleeding even when exact source of bleed is unknown. Potential applications include surgery, trauma, and primary or acquired bleeding disorders, including those resulting from chemotherapy or use of non-reversible anti-coagulants. RxMP's lead candidate, RMP-402, is in preclinical development. The initial clinical indication targets patients that are at high risk of excessive bleeding during spinal surgery. Further candidates are at research stage.

FOUNDERS/MANAGEMENT TEAM
Rifat Pamukcu, M.D. FAIMBE, President, CEO, Managing Director
Yeon Ahn, M.D., Director
Wayne Barlin, Director

KEY MILESTONES TO DATE
- Investment to-date: $2.2M
- FDA Type C Meeting Dec. 6, 2017
- Patents issued U.S., EU, Japan, additional applications in process
- Initial lot of allogenic RMPS manufactured under GLP, process is GMP ready
- Initial GLP Toxicokinetic study in rodents completed
- Published numerous cross-species animal efficacy model results in peer-reviewed journals

POWERED BY
The Wallace H. Coulter Foundation, Florida Technology Seed Capital Fund

CONTACT: Rifat Pamukcu, MD FAIMBE - r.pamukcu@rxmpt.com - Miami, FL

Company Profile: SaKaroTec

CED Life Science Conference 2018 - Innovation Room

Sub-sector: Biotech and Pharmaceutical
Year Founded: 2017

COMPANY PROFILE
SaKaroTec has a patent-pending for protecting red blood cells during freezing without washing upon thaw. This results in 30% more blood cells available for transfusion versus current cryopreservation methods, maintains a closed system, and allows greater flexibility for blood storage.

FOUNDERS/MANAGEMENT TEAM
London White-CEO Scott Frazee-CSO Karthik Narasimhan-COO

POWERED BY
CED; HQ Raleigh; NC State Office of Technology Transfer (OTT); SBTDC; Other (please specify)
East Carolina University Office of Technology Transfer (OTT)

CONTACT
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Raleigh, NC

Learn more about the CED Life Science Conference.

COMPANY PROFILE: Sanguina, LLC

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

Sanguina, LLC was founded in 2014 to develop point-of-care hematology products. It was established as an academic startup for the development of AnemoCheck, a color-based point of care, hemoglobin assay. Driven by patient empowerment and convenience, point of care and over the counter healthcare markets are expected to grow and supplant many routine clinical procedures in the coming years. Sanguina aims to provide simple, rapid testing options to people who need it most.

FOUNDERS/MANAGEMENT TEAM
Tom Stribling (CEO & Co-Founder)
Erika Tyburski (COO & Co-Founder)
Wilbur Lam, MD, PhD (CMO & Co-Founder)
Andrew Lyon, PhD (CSO & Co-Founder)

KEY MILESTONES TO DATE
- Awarded over $1M non-dilutive grant funding for development
- Completed development of first generation AnemoCheck test with Emory University, the Centers for Disease Control and the Georgia Institute of Technology
- AnemoCheck IP licensed to Sanguina in 2017, enabling exclusive worldwide sales
- Received FDA 510(k) clearance on first generation AnemoCheck test Sep 2017
- Currently negotiating distribution contracts for 2018 sales
- Development of second generation OTC test has been funded and is in progress
- Accolades: BIO Conference Showcase participant, 2016; NSF Beat the Odds Bootcamp participant, 2015; Metro Atlanta Chamber “Start up to Watch”, 2014; Ideas to Serve (Winner and Global Solution Winner), 2013; Inventure Prize (2nd place), 2013

POWERED BY
National Heart Lung and Blood Institute - National Institutes of Health SBIR grant, National Science Foundation STTR grant, Georgia Research Alliance, Coulter Translational Partnership, Atlantic Pediatric Device Consortium, Pediatric Hematology and Oncology Research Grant, Georgia Centers for Innovation and Manufacturing, Ideas to Serve, Inventure Prize, Children’s Healthcare of Atlanta

CONTACT
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Atlanta, GA

Tom Stribling tstribling@sanguina.com Highlands, NC

COMPANY PROFILE: SFC Fluidics, Inc

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

www.sfc-fluidics.com
Sub-sector: Medical Devices
Year Founded: 2004

COMPANY PROFILE
SFC Fluidics has developed a miniaturized microfluidics pump which will enable the Company to deliver 1) a more convenient and affordable insulin delivery system and 2) a "closed loop artificial pancreas system" that minimizes body burden while virtually eliminating manual intervention. In late 2017, the JDRF (Juvenile Diabetes Research Foundation) partnered with SFC and funded partial development of the artificial pancreas. SFC is uniquely positioned to provide accurate, reliable, user-friendly, and safe insulin dosing pumps. SFC's breakthrough technology leverages design for manufacturability (no mechanical moving parts) and low-cost leadership through use of injection molded components sourced from the Company's world-class manufacturing partner.

FOUNDERS/MANAGEMENT
Anthony Cruz – CEO
Don Jackson – CFO
Greg Lamps – VP, Product Realization
Ashley Shemain – VP, Marketing and Business Development

KEY MILESTONES
- Prototype has been completed and tested in animals.
- Established a strategic manufacturing partner.
- Three patents and four patents pending.
- Obtained Phase 2 SBIR funding for the min-ePump. ($1.45 Million)
- Obtained JDRF funding for artificial pancreas development

CONTACT
Anthony Cruz
acruz@sfcfluidics.com

Learn more about the CED Life Science Conference.

Company Profile: SiNON Therapeutics

CED Life Science Conference 2018 - Innovation Room

www.sinontp.com
Sub-sector: Biotech and Pharmaceutical
Year Founded: 2009

COMPANY PROFILE
SiNON Therapeutics is dedicated to improving the lives of those who suffer from debilitating neurological diseases by increasing the ability of drugs to cross the Blood Brain Barrier (BBB). Our patented nanoparticle, the Carbon Dot, will enable pharmaceutical companies to encapsulate their drugs in a way, which dramatically improve drug-localization to the brain. This allows for a reduction in overall dose administration to the patient, leading to reduced toxicity risk and side-effects while improving therapeutic index and cost-efficacy. This is a platform technology that can be applied to treat many types of neurological diseases.

KEY MILESTONES TO DATE

- Begun animal trials to test clearance and toxicity. Typical dosing is at 175 mg/kg of nanoparticles/drugs. Our nanoparticle can be given at a dose of 1098 mg/kg before becoming toxic! Clears the body within 6 days.
- Collaboration with Duke Brain Tumor Center - Pre-clinical trials.
- Accolades: -1st Place Duke Start-up Challenge -NC Idea grant recipient -Bustle Upstart Awards (STEM): https://www.bustle.com/p/afreen-allam-founder-ceo-of-sinon-therapeutics-is-changing-the-way-we-treat-neurological-diseases-2459604 -Forbes 30 under 30 finalist -SBA Innovate Her Top 10 finalist -Tech Connect National winner -Start-up madness 2nd place winner -Duke Angel award winner

POWERED BY
CED; Duke Innovation and Entrepreneurship Initiative (I&E); First Flight Venture Center; SBTDC; Duke, UNC

CONTACT
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Research Triangle Park, NC

Learn more about the CED Life Science Conference.

Company Profile: Spin-Darc

CED Life Science Conference 2018 - Innovation Room

http://www.spindarc.com
Sub-sector: Diagnostic
Year Founded: 2015

COMPANY PROFILE
Spin-Darc is a Raleigh, NC based startup developing an ultra-rapid, low-cost microbiology testing platform that leverages off-the-shelf DVD drives to detect bacterial targets in medical or environmental samples with high sensitivity and specificity.

FOUNDERS/MANAGEMENT TEAM
Janna Badalian - CEO
Jeffery Auld - CTO

KEY MILESTONES TO DATE

- - New method developed for easy pathogen immobilization and patterning on the DVD - Benchtop prototype built out of personal funds - First round of tests with simulant (microbeads) showing ~100% sensitivity and >90% concentration accuracy
- Accolades: Named Finalist in the 2017 USAID Saving Lives at Birth Grand Challenge
- Funding: 100% Bootstrapped

POWERED BY
CED; Groundwork Labs

CONTACT
Janna Badalian
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Raleigh, NC

Learn more about the CED Life Science Conference.

Company Profile: Statera Environmental Inc.

CED Life Science Conference 2018 - Innovation Room

www.statera.org
Sub-sector: Environmental
Year Founded: 2017

COMPANY PROFILE
Statera is an environmental technology and consulting company that develops innovative environmental monitoring products and services for our clients in industry and government

FOUNDERS/MANAGEMENT TEAM
Damian Shea, PhD: President and Principal Scientist
Xin Rui Xia, PhD: Director of Research

KEY MILESTONES TO DATE
- Sold over 1000 of our first generation device.
- Patent application (April 2017) for new second generation device.
- Licensing agreement with NC State University (June 2017)
- New startup company formed (June 2017)
- We have strategic partnerships and contracts with Fortune 500 companies and both US and foreign government agencies and environmental consulting firms.
- Funding: Funding to date has been bootstrapped.

POWERED BY
CED; NC State Office of Technology Transfer (OTT); SBTDC

CONTACT
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dshea@statera.org
Raleigh, NC

Learn more about the CED Life Science Conference.

Company Profile: StrideBio, Inc

CED Life Science Conference 2018 - Showcase Only

www.stridebio.com
Sub-sector: Biotech & Pharmaceutical
Year Founded: 2015

COMPANY PROFILE
StrideBio, Inc. is a gene therapy company focused on creating and developing novel adeno-associated viral (AAV) vector technologies. Our STRucture Inspired DEsign approach holds the potential to generate unique AAV capsids capable of overcoming the challenges of pre-existing neutralizing antibodies in patients. The company is focused on identifying novel capsids for its own internal therapeutic pipeline, as well as for its partners.

FOUNDERS/MANAGEMENT TEAM
Patrick Ritschel, President and Co-founder
Aravind Asokan, PhD, Co-founder
Mavis Agbandje-McKenna, PhD. Co-founder
Richard E. T. Smith, PhD, COO
David Dismuke, PhD, VP, Manufacturing

KEY MILESTONES TO DATE
- April 2017 - Signed collaborative deal with CRISPR Therapeutics
- May 2017 - Secured seed investment from Hatteras Venture Partners

CONTACT
Richard E. T. Smith, PhD
r.smith@stridebio.com
Durham, NC

Learn more about the CED Life Science Conference.

Company Profile: UVision360, Inc.

CED Life Science Conference 2018 - Showcase & Innovation Room

UVision360.com; Luminelle360.com
Sub-sector: Medical Device
Year Founded: 2016

COMPANY PROFILE
Our mission is to develop a compact, fully integrated, hysteroscopy/cystoscopy system that provides *OR Performance at an Office Value*™. This will allow physicians to better afford an office purchase and to be able to quickly and easily employ for greater patient comfort and care. We expect to offer this system at an investment of up to 75% lower than traditional endoscopic tower systems. We have chosen to partner with US and NC based companies, and ~98% of our supply chain is US based.

FOUNDERS/MANAGEMENT TEAM
Allison London Brown - CEO
Erich Dreyer - CTO
Dr. David Robinson - CMO
Brian Coleman - National Sales Director
Anna Bickley - Sales Operations Manager

KEY MILESTONES TO DATE
- Completed all design, development, DFMEA, tooling, production
- Successful Market Introduction at AAGL – Nov 2017
- Completed Series A round for Development and Initial Production
- Completed Series B round for Commercialization
- Received NC Biotech Small Business Loan.
- Hired 6 sales and sales support personnel
- Submitted 510(k) pre-market authorization package

CONTACT
Allison London Brown
allisonlondonbrown@uvision360.com
Raleigh, NC

Learn more about the CED Life Science Conference.

Company Profile: VitalFlo

CED Life Science Conference 2018 - Lightning Round; Innovation Room

vitalflohealth.com
Sub-sector: Medical Device
Year Founded: 2017

COMPANY PROFILE
VitalFlo helps prevent asthma attacks with our lung health analytics platform. VitalFlo brings machine learning analytics to lung health, to provide patients with actionable insights when they need it most: before they have an asthma attack. Patients' clinical quality lung function data is collected through our handheld medical device and mobile app, and environmental exposures are tracked via our cloud platform - powering our analytics with best-in-class data inputs. These insights are shared simultaneously with patients and their doctors to improve engagement and clinical outcomes.

We believe no patient should have to worry about whether they will be able to take their next breath. VitalFlo helps patients know what to expect so that they can breath easy.

FOUNDERS/MANAGEMENT TEAM
Cofounder & CEO - Luke Marshall Cofounder & CTO - James Dieffenderfer Cofounder & COO - Ravi Chilukuri

KEY MILESTONES TO DATE
- Won NSF SBIR Phase I to fund continued product development
- Completed 90-patient device efficacy studies in partnership with UNC School of Medicine and Rex Health
- Won the Big Launch Challenge pitch competition
- Completed Innovators Program accelerator
- Won 3 categories of 2017 Lulu eGames NCSU startup competition

POWERED BY
Blackstone Entrepreneurs Network (BEN); First Flight Venture Center; HQ Raleigh; NC State Office of Technology Transfer (OTT)

CONTACT
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Raleigh, NC

Learn more about the CED Life Science Conference.

COMPANY PROFILE: WhiteCoat Healthcare

CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

http://whitecoat.us/ced
Sub-sector: Healthcare IT
Year Founded: 2016

COMPANY PROFILE
WhiteCoat Healthcare is a venture-backed startup launched by a USC Medical Student that provides In-Home Health Assessments and Chronic Disease Co-Management Services to Medicare's sickest 5% (high risk, noncompliant patients with multiple chronic illnesses).

WhiteCoat currently partners with Medicare Advantage Health Plans and Managed Care Organizations enrolled in MACRA's Risk-based programs in California, but hope to expand our services into other regions.

Scaling house call operations is highly labor and time intensive, thus to scale cost-effectively, we innovated by building our own EHR and Healthcare CRM that includes: Intelligent Mapping and Scheduling, Patient Outreach Telecommunication, Value-Based Clinical Rules Engine, Clinical Operations Workflow Automation, Medication Reconciliation, and Predictive Data Analytics.

Beta-testing of our tech platform provided the following gains: 250% increase in home visits and 75% reduction in HCC coding queries. WhiteCoat is currently seeking additional funding to further advance our tech infrastructure that can provide a new B2B vertical in the SaaS and Health Informatics market.

FOUNDERS/MANAGEMENT TEAM
CEO - Mike Kwon, MD-candidate, CMO - John Kim, MD , CTO - Jonlee (Thomas) Wong

KEY MILESTONES TO DATE
Funding $1.4M | Revenue >$1M | Partnerships 10 | Patients Served 4,500
Incorporated Technologies -, EHR Integration

POWERED BY
Idealab, Strong Ventures, Draper Venture Network, Primer, Knighted Ventures, D3 Jubilee, Prism Management, USC Coulter Translational Research Partnership Program, HTE@USC

CONTACT
Mike Kwon mike@getwhitecoat.com
Los Angeles, CA

COMPANY PROFILE: XaTek
CED Life Science Conference 2018 - presenting at the Coulter Investment Forum

https://www.xatek.com/
Sub-sector: Medical device/diagnostic
Year Founded: 2016

COMPANY PROFILE

XaTek is a development stage diagnostics company that is commercializing a handheld, portable blood analyzer that is truly a point-of-care diagnostic device. The device will first satisfy the market need for immediate point-of-care diagnosis of coagulability in patients taking a new generation of anticoagulants commonly referred to as Target Specific Oral Anti-Coagulants (TSOACs) which is projected to be $30B drug category by 2020.

The technology, commercially known as ClotChip™, uses an electrical technique called miniaturized dielectric spectroscopy, an approach that the CWRU biomedical engineering team began developing more than six years ago. This technique applies an external electric field to a drop of blood, then quantitatively measures how the blood affects that field. The measurements produced reflect the ability of the blood to clot. This quantitative measurement of coagulability can then be translated into a recognizable measured scale for reporting and health management purposes. The report can be sent to a Wi-Fi/Bluetooth enabled device if so desired. Importantly, ClotChip™ is sensitive to the entire hemostatic process, can discriminate between coagulation and platelet derived defects and can assess whole blood in a single drop by using a disposable test strip format in a handheld portable device.

FOUNDERS/MANAGEMENT TEAM

John Zak MD, MBA – President & CEO/Founder, Serial entrepreneur & venture capitalist, retired surgeon (Cleveland, OH); Joe Gfoeller – Vice President/Founder, Former Managing Director of 4 private equity funds (NY, NY); Paul Glass – Founder, Founder of Glass Malek, a multi-family office management firm (Los Angeles, CA); John Nottingham – co-CIO/Founder, Co-Founder Nottingham Spirk, a 45-year-old top-tier industrial design firm (Cleveland, OH); John Spirk – co-CIO/Founder; Frank Douglas MD, PhD – independent Director, Senior pharmaceutical executive (Bayer, Pfizer, Novartis) and former Director of Research, Xarelto (New Brunswick, NJ)

KEY MILESTONES TO DATE

- XaTek has proven feasibility of a patented process for measuring coagulability in an emerging class of anti-coagulation drugs for which no point-of-care diagnostic exists. The Company's ClotChip™ is halfway through a 200-subject pilot clinical trial and anticipates commencement of a multi-center pivotal trial within 23 months.
- Accolades: ClotChip™ received high marks at the 2016 American Society of Hematology & Oncology Conference where it was granted a prestigious press conference presentation and received "Best in Show" honors.
- Funding: Xatek was initially funded by the founders in a seed round and has since received commitments for $2,500,000 of an $8,000,000 series A round that began in 2018. This funding round is projected to take the Company through FDA clearance.

CONTACT John Zak MD, MBA jz.xatek@gmail.com Cleveland, Ohio

Company Profile: Zenomics

CED Life Science Conference 2018 - Innovation Room

http://www.zenomicsbio.com/
Sub-sector: Medical Device
Year Founded:

CONTACT
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Durham, NC

Learn more about the CED Life Science Conference.