

November 2005 SBIR Newsletter Material

Upcoming events:

Fifth Annual SBIR/STTR R&D Funding Conference: November 7-8th, RTP, NC
<http://www.sbtcdc.org/events/sbir/conference/>

CED's Opportunity 2005 - Fueling Entrepreneurial Success: November 10-11th, Wilmington, NC
<http://www.cednc.org/conferences/opportunity/2005/>

NCBC Biotech Forum: Specialty Pharmaceutical Models - When You've Seen One, You've Seen One: November 14th, RTP, NC
https://secure.cednc.org/programs/industry_forums/biotech_forum/register.htmls

SBIR National Conference: November 14-17th, Albany, NY: <http://www.sbirworld.com/Albany/>

Fifth Annual SBIR/STTR R&D Funding Conference on November 7-8

Early Registration Ends November 4th

The 2005 SBIR event season wraps up on the November 7-8 with the **Fifth Annual SBIR/STTR R&D Funding Conference** hosted by the University of North Carolina's Small Business and Technology Development Center (SBTDC). This conference offers an unsurpassed opportunity to expand your knowledge of multi-billion dollar federal R&D funding sources - including SBIR/STTR programs - for small businesses that are developing innovative technologies.

SBIR/STTR is by far the largest source of early stage funding for small businesses in the United States today. North Carolina firms alone were awarded over \$30 million in grant funds in 2004, a significant increase over 2003. The best part? This is \$30 million of HIGH-RISK capital that does not need to be repaid, and doesn't dilute the equity in the business. In conjunction with North Carolina's new SBIR/STTR incentive and matching program, the stakes are now higher for North Carolina firms. The **One Carolina Small Business Program** allows new SBIR/STTR awardees to be eligible for up to \$100,000 in matching funds, and up to \$3,000 of the cost of submitting SBIR or STTR proposals.

The SBIR/STTR programs are the premier funding mechanisms for early stage R&D that will likely lead to commercializable products and services. Since the programs' inception in 1982, the federal government has granted over \$16 billion and more than 50,000 awards to small businesses in the United States through the 11 participating Federal agencies.

A common misconception in the world of SBIR is that only "high-tech" firms are winners. The truth is quite the contrary. One recently funded project at NIH was for a PBS documentary, while several others focused on social skills training for school-age children. Just remember you don't need to be developing the next block-buster cancer therapy or a new recipe for rocket fuel to be in the game. The SBTDC and the Fifth Annual Conference are open to all small businesses in North Carolina who are interested in pursuing SBIR funding. The content of this

year's SBIR/STTR R&D Funding Conference program will bring value to both those who are new to the programs, as well as current and prior SBIR award winners. Highlights of the conference include:

Federal Agency Participation

Program managers from federal agencies including National Institutes of Health (NIH), Department of Defense (DoD), Department of Energy (DoE) and others. Learn about the agencies' current areas of interest and the differences between them from presentations, roundtable discussions, and interactive Q&A sessions. Additionally, one-on-one sessions offered throughout the day will enable attendees to speak with federal representatives about their respective interests.

Advanced and Introductory Tracks

By popular demand, this year's conference will offer concurrent advanced and introductory tracks. Introductory sessions will build a strong foundation for those new to the SBIR/STTR programs who are seeking Phase 1 awards. Advanced sessions will offer precious insights and direction for those firms that have a Phase 1 award and are thinking about Phase 2, and to those that have a Phase 2 award, are moving toward commercialization, and may need additional funding from private equity sources. Secrets of selling to the government will be covered, as well as how to avoid common accounting and intellectual property pitfalls.

Don't miss the Southeast's premier early stage R&D funding event. Register early as seating is limited!

WHEN: Monday, November 7, 2005, 5:30pm – 8:00pm
Tuesday, November 8, 2005, 7:30am – 1:00pm

WHERE: NC Biotechnology Center, Research Triangle Park, NC

COST: \$75 – Pre-registration
\$125 after 11/4 and at the door

REGISTRATION: www.sbtcd.org/events/sbir/conference/

Wet lab facilities in NC for biotech companies

www.ncwetlab.org

3-C ISD Receives SBIR Phase I Contract from NIMH

CARY, NC (October 19, 2005) - 3C Institute for Social Development (3-C ISD), a leading research firm specializing in the development and delivery of scientifically validated assessment and intervention tools which promote positive social development and mental health in children, has been awarded a Phase I SBIR Contract from the National Institute of Mental Health (NIMH). The task of this NIMH contract is to adapt an existing research-based curriculum for social skills training that will advance social functioning for children with High Functioning Autism (HFA). The

flagship 3-C ISD product, S.S.GRIN, will be the model and foundation for development of this new intervention program specifically designed for elementary children with HFA.

This NIMH contract plays a significant role in the major commercialization efforts of 3-C ISD to provide parents, elementary school and medical professionals the best research-based tools available to promote the positive social development and mental health of children and families. Since its founding in February 2001 by Dr. Melissa DeRosier, 3-C ISD has received 13 SBIR research awards (totaling over \$10 million) to develop assessment and intervention tools for children. Dr. DeRosier, along with her recently hired Director of Business Development, Ervin Allen, are constructing an extensive commercialization plan that will successfully promote these evidenced-based tools in the national marketplace.

3-C ISD is grateful to the North Carolina SBTDC and the NC State University HiTEC graduate business program for their support. These institutions provide vital business and resource assistance in understanding the SBIR application process, and the technology commercialization planning process.

3-C ISD (www.3cisid.com) *creates and delivers scientifically validated assessment and intervention tools for professionals and parents who wish to help children build positive peer relationships and social coping skills. Founded in February 2001 by Dr. Melissa DeRosier of the University of North Carolina at Chapel Hill, 3-C ISD is a research firm devoted to promoting the positive social development and mental health of children and families. 3-C ISD has built a uniquely talented staff of mental health professionals, school counselors, graduate students, and university affiliates to create evidence-based programs that address significant societal problems, such as school violence, social deficits of children and adolescents, and the development of psychopathology.*

An on-site sister company of 3-C ISD is 3-C Family Services. 3-C Family Services is a clinical practice covering a broad array of disciplines. Both companies benefit from this collaboration between the science and practice of psychology, implementing the Boulder model as an organization.

The mission of the 3-C Institute for Social Development is to help children and youth who experience peer relationship problems, particularly bullying, victimization, rejection, and social isolation.

Contacts

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Department of Education Presolicitation Announcement

The US Department of Education, via the Institute of Education Science's National Center for Education Research, intends to solicit offerors for the Small Business Innovation Research (SBIR) Program. The opening date is on or around November 4, 2005, and the closing date is January 6, 2006 at 2:00 p.m. EST. Copies of the solicitation will be available for download on www.FEDBIZOPPS.GOV. Copies of the solicitation may also be available at www.ed.gov/programs/sbir/index.html. The notice can be found on the FedBizOpps site at www.fbo.gov/spg/ED/OCFO/CPO/errd080008/SynopsisP.html

Source: www.zyn.com/sbir

NIH offers SBIR Technology Niche Assessment Program to Phase I Awardees

The National Institutes of Health (NIH) announces the availability of an SBIR Niche Assessment Program for Phase I SBIR awardees in FY 2005 and FY 2006. NIH has contracted with Foresight Science and Technology to perform Technology Niche Analyses (TNA™) for 150 NIH SBIR Phase I awardees. The TNA™ will assess potential uses of the technology and result in a report that addresses the end-user needs, current and emerging competing technologies, the market dynamics, and the technology's competitive advantage. (NOTE: This program is not available to STTR awardees.) For a full description of the program, check the NIH Guide Notice NOT-OD-06-001 (<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-06-001.html>).

SBIR/STTR Collaboration Opportunities and Research Partnerships (CORP)

Are you in need of an area of expertise or in search of a collaborative partner to work on an SBIR/STTR? The purpose of this site is to foster collaborative opportunities within the SBIR/STTR Programs. <http://grants.nih.gov/grants/funding/corp.htm>

NIH Eliminating Mailing of Paper Notifications

The NIH continues towards its goal of a paperless grants process through the elimination of the following notifications which are currently sent in hard copy - Summary Statements and Peer Review Outcome Letters. Instead, investigators are instructed to use the eRA Commons, a Web interface through which NIH and the applicant organizations are able to conduct extramural research administration business electronically.

Applicant Organizations must be registered in the eRA Commons before an account may be established for its investigators. The NIH strongly encourages Principal Investigators to contact their institution's Office of Sponsored Programs for registration guidance. The following resources for the eRA Commons should be of assistance in the process:

- Home Page for registration and updates: <https://commons.era.nih.gov/commons/>
- Frequently Asked Questions: <https://commons.era.nih.gov/commons/faq.jsp>
- Commons Helpdesk at 1-866-504-9552 or via e-mail at commons@od.nih.gov

In addition to complying with a Congressional mandate to move from paper-based to electronic systems, these new procedures will also improve consistency and timeliness of communication between NIH, investigators, and institutions during the grant application process.

Over the next two grant review cycles, the NIH will discontinue mailing the following two kinds of documents:

Summary Statements: Beginning October 1, 2005, NIH will no longer send hard copies of the Summary Statements to Principal Investigators (PIs) and Individual Fellows Applicants. Summary Statements are accessible electronically to PIs and Fellows in the eRA Commons within approximately 8 weeks of the Scientific Review Group (SRG) meeting.

Review Outcome “Mailers”: Beginning February 1, 2006, the NIH will no longer send hard copies of the notification letter (also known as a “mailer”) to PIs and Fellows regarding the review outcome of an application by the SRG. When the SRG rosters and meeting dates become available, they may be accessed through <http://www.csr.nih.gov/Committees/rosterindex.asp> (Center for Scientific Review [CSR] reviews) or <http://era.nih.gov/roster/> (Institute/Center reviews). Scores will be posted in the eRA Commons approximately 5 working days after the SRG meeting.

At this time, the NIH will continue to send assignment and change of assignment mailers. However, this information is also accessible on the eRA Commons.

In order to avoid delays in the e-notification process, it is vital that all Grantee Organizations, Principal Investigators, and Individual Fellows are registered in the eRA Commons and e-mail addresses are checked periodically for accuracy.

NOTE: This process does not apply to applications for the Agency for HealthCare Research and Quality or the Centers for Disease Control and Prevention.

Inquiries on this NIH Guide Notice may be directed to:

Division of Grants Policy
Office of Policy for Extramural Research Administration
National Institutes of Health
6705 Rockledge Drive, Suite 350
Bethesda, MD 20892
Telephone: (301) 435-0938
FAX: (301) 435-3059
Email: GrantsPolicy@od.nih.gov

NC's NIH SBIR/STTR Award Data for 2005 - \$22,900,000 garnered so far

SBIR/STTR	Effective	Phase	Formal Organization	Award	Project Title
16-OCT-05	Type	Name			
SBIR	Phase I	ADVANCED LIQUID LOGIC AEOLUS	\$165,529	Nanodroplet PCR Lab-Chip for Clinical Pathogen Detection	
SBIR	Phase II	PHARMACEUTICALS, INC.	\$375,000	Radiation Protection Cancer Therapy with an SOD Mimetic	
SBIR	Phase I	AFFINERGY ,INC	\$214,330	Improved Orthopedic Implant Surface Coatings	
SBIR	Phase I	AFFINERGY ,INC	\$256,295	Discovery of Peptide-based Bone Morphogenic Protein Mimetics	
SBIR	Phase I	ALDERON BIOSCIENCES, INC.	\$100,000	Electrochemical Quantification of HCV RNA	
SBIR	Phase I	ALDERON BIOSCIENCES, INC.	\$299,998	Electrochemical RT activity assay for measuring HIV load	
SBIR	Phase II	ALDERON BIOSCIENCES, INC.	\$360,650	Device for Rapid Gene Detection of Multiple Bio-Agents	
SBIR	Phase II	ALDERON BIOSCIENCES, INC.	\$598,042	One-Step Rapid Screening for Childhood Lead Poisoning	
SBIR	Phase I	BIOPHARMACEUTICAL, INC.	\$157,070	rAAV Revitalized Structural Allografts	
SBIR	Phase I	BIOLINK LIFE SCIENCES, INC. BIOMARCK	\$105,364	Stability of new, iron-replete total nutrient admixtures	
SBIR	Phase II	PHARMACEUTICALS, LTD	\$596,400	Preclinical Development of a Therapeutic Agent for COPD	
STTR	Phase II	BREATHQUANT MEDICAL SYSTEMS, INC.	\$536,828	Pretest Probability Assessment for Pulmonary Embolism	
SBIR	Phase II	BRUCE TECHNOLOGIES, INC.	\$364,693	THERMOSYPHON TARGETRY TO IMPROVE F-18 PET	
SBIR	Phase II	BRUCE TECHNOLOGIES, INC.	\$369,444	REGENERATIVE TURBINE TARGETRY TO IMPROVE F-18 PET	
STTR	Phase II	CENTER LINE PRODUCTIONS	\$384,068	Genomics MediaBook for a Technology Society	
SBIR	Phase I	CENTICE CORPORATION	\$119,070	Diffuse spectroscopy for inhomogeneous metal nanoparticle assays	
SBIR	Phase I	CLINICAL TOOLS, INC.	\$124,161	Online Education and Support for Alzheimer's Caregivers	
SBIR	Phase II	CLINICAL TOOLS, INC.	\$1,152,082	Electronic Submission of NIH Grant Applications	
SBIR	Phase I	COGNOSCI, INC.	\$286,564	Novel Anti-Inflammatory To Treat Atherosclerosis	
STTR	Phase I	COGNOSCI, INC.	\$171,707	Novel Tissue Protector for Subarachnoid Hemorrhage	

SBIR	Phase II	COGNOSCI, INC.	\$276,926	ENHANCING PEPTIDE DELIVERY TO THE BRAIN
SBIR	Phase II	COGNOSCI, INC.	\$372,182	NEUROPROTECTIVE APOLIPOPROTEIN-E ANALOGS
SBIR	Phase II	DARPHARMA, INC.	\$800,000	Therapeutic for the Negative Symptoms of Schizophrenia
SBIR	Phase I	EMBREX, INC.	\$102,723	Eliminating Dead Eggs in Flu Vaccine Production
SBIR	Phase I	ENCELLE, INC.	\$100,000	Bone Regeneration Scaffolds
SBIR	Phase II	ENCELLE, INC.	\$555,423	Promotion of Wound Vascularization and Closure
SBIR	Phase I	ENDACEA, INC.	\$316,067	Myocardial Salvage With a Novel Reperfusion Therapy
STTR	Phase II	ENO RIVER LABS, LLC	\$70,180	Ultrasensitive Methods for Human Biomarker Quantitation
STTR	Phase II FT	ERCOLE BIOTECH, INC.	\$588,563	Antisense Treatment for Thalassemia. Preclinical study.
SBIR	Phase I	FLYING BRIDGE TECHNOLOGIES	\$98,734	Development of On-Line SSP and ESSP
STTR	Phase I	GENOGNOMON, LLC	\$91,142	A Novel Protection Device for Shock Wave Lithotripter
SBIR	Phase I	GREER LABORATORIES, INC.	\$300,000	Ab Alphavirus Replicon Vaccine against Cytomegalovirus
STTR	Phase I FT	HEART IMAGING TECHNOLOGIES, LLC	\$269,926	A Worldwide Research Network of Dynamic Cardiac Images
SBIR	Phase I	HYPERSPECTRAL MEDICAL TECHNOLOGY, INC.	\$245,060	Ophthalmic Sealants for Corneal Surgeries
SBIR	Phase II	INDEPENDENT LIVING RESOURCES, INC.	\$657,500	Educational Opportunities for Youth in Foster Care
SBIR	Phase I	INNOVATION RESEARCH AND TRAINING, INC.	\$117,400	Substance Abuse Prevention Media Literacy HS Curriculum
SBIR	Phase II	INNOVATION RESEARCH AND TRAINING, INC.	\$342,217	Substance Abuse Prevention Media Literacy Curriculum
SBIR	Phase II	INNOVATION RESEARCH AND TRAINING, INC.	\$364,285	Computerized Assessment of Social Information Processing
SBIR	Phase I	KUCERA PHARMACEUTICAL COMPANY	\$100,000	Synthesis and Evaluation of Novel anti-RSV Compounds
SBIR	Phase II	KUCERA PHARMACEUTICAL COMPANY	\$761,444	Synthesis and Evaluation of a Novel Anti-HIV Agent
SBIR	Phase I	METABOLON, INC.	\$148,116	Diagnostic and Surrogate Markers for ALS
SBIR	Phase II	MRPATH, INC.	\$1,105,751	Web Based Phenotyping With Magnetic Resonance Histology
STTR	Phase I	PALAISTRA SYSTEMS, INC.	\$154,356	Novel Interactive Cell-phone tech for Health Enhancement

SBIR	Phase I	PARION SCIENCES	\$489,999	PHARMACOTHERAPY FOR XEROSTOMIA IN SJOGREN'S SYNDROME
SBIR	Phase I FT	PARION SCIENCES	\$364,501	DEVELOPMENT OF EPITHELIAL SODIUM CHANNEL BLOCKERS FOR CF
STTR	Phase I	PHARMAGRA LABS, INC.	\$125,243	Self-Assembled Solutions to Asymmetric Hydrogenation
SBIR	Phase I	POLYGLOT SYSTEMS, INC.	\$114,536	ProLingua RX: Language communication tool for pharmacist
SBIR	Phase II	PREMITEC, INC.	\$345,638	Insulating Coatings for Implant Devices & Ribbon Cables
SBIR	Phase I	RIBONOMICS, INC.	\$220,500	RNA Binding Proteins and Beta-cell Function
SBIR	Phase I	SANDBOX LEARNING COMPANY	\$99,432	Community Skills Video Game for Children with Autism
SBIR	Phase II	SKIN SCIENCE INSTITUTE, INC.	\$660,651	Development of a New Topical Antifungal Agent
SBIR	Phase II	SYNTHERICA CORPORATION	\$597,516	A Novel Assay for Measurement of PCB Aroclors
SBIR	Phase II	SYNTHERICA CORPORATION	\$7,315	A Novel Assay for Measurement of PCB Aroclors
SBIR	Phase II	TANGLEWOOD RESEARCH, INC.	\$381,048	All Stars Technology: Web-Based Program Enhancements
SBIR	Phase II	TANGLEWOOD RESEARCH, INC.	\$408,092	Distance Education Approach to Delivering All Stars, Sr
STTR	Phase II	TANGLEWOOD RESEARCH, INC.	\$369,712	Crossroads: Cooperative High School Drug Prevention
STTR	Phase II	TANGLEWOOD RESEARCH, INC.	\$391,203	Building Teacher Mastery via an Internet Training System
SBIR	Phase II	THREE C INSTITUTE FOR SOCIAL DEVELOPMT	\$324,456	Social Skills Training for Aggressive Adolescents
SBIR	Phase II	THREE C INSTITUTE FOR SOCIAL DEVELOPMT	\$420,601	Multimedia Strategies to Enhance Child Treatment Effects
SBIR	Phase I	TRANSTECH PHARMA, INC.	\$313,415	Novel Orthopox Small Molecule Anti-Virals
SBIR	Phase II	TRIBOFILM RESEARCH, INC.	\$372,274	Silicone-Free Low Friction Coating for Syringes
SBIR	Phase II	TRIBOFILM RESEARCH, INC.	\$404,259	Scratch and Impact Resistant Coating for Safety Eyewear
SBIR	Phase I	VESTA THERAPEUTICS, INC.	\$100,000	Adipose Derived Adult Stem Cells in Hepatic Regeneration
SBIR	Phase II	VIRTUAL REALITY AIDS, INC.	\$560,169	Virtual Reality and Web Tools for Children with FAS/FAE
SBIR	Phase II	VORTANT TECHNOLOGIES, LLC	\$246,478	Attachments-free Point and Click Device for the Disabled
SBIR	Phase II	VORTANT TECHNOLOGIES, LLC	\$266,406	Touchable Windows Interface for the Visually Impaired
SBIR	Phase I	WILLIAMS LIFESKILLS, INC.	\$99,878	VIDEO-BASED COPING SKILLS TRAINING FOR CAREGIVERS

SBIR	Phase I	XINTEK, INC.	\$98,000	Carbon Nanotube Field-Emission Micro-focus X-ray Tube
SBIR	Phase II	ZEN-BIO, INC.	\$473,710	Commercialization of Human Visceral Adipocytes
