

Nano Northwest Newsletter

Article Links:

NEWS · **General CNT/NTUF and Business Industry**

CONNECTIONS · **Jobs, Collaborations, Grants & Scholarships**

EVENTS · **Seminars, Conferences, and Calls for Papers**

CONTACT · **Submissions, Suggestions, and Removals**



NEWS

Center for Nanotechnology & NanoTechnology User Facility News:

Welcome once again to the Nano Northwest Newsletter – a newsletter sponsored by the UW Center for Nanotechnology and the Nanotech User Facility to consolidate announcements and information for CNT-affiliated UW faculty and students, local nanotech businesses and others in the Northwest nanotechnology community.

DON'T MISS the:

Fifth Annual Nanoscale Science and Technology Workshop

September 20th and 21st, 2005 at the Henry Art Gallery, Seattle, WA

Presented by UW Center for Nanotechnology and UW/PNNL Joint Institute for Nanoscience

Join your colleagues from the UW's Center for Nanotechnology, Pacific Northwest National Laboratories, and other leading institutions as they share their latest investigations across the breadth of the nanoscale domain. Keynote presentations, focused research talks, poster sessions, awards presentations, and a dinner cruise combine to ensure an enlightening and engaging experience.

And, for even more excitement, plan to participate in the:

NTUF Short Course 2005: Characterization and Fabrication at the Nanoscale

September 19th, 2005 at the University of Washington Club, UW Campus

Sponsored by FEI, Zeiss, and Renishaw

Explore the frontiers of microscopy - Raman, Light and Confocal, Electron, Scanning Probe – and other Nano- and Microfabrication Tools. Prepare to be dazzled by the "Science as Art" Competition. Enjoy a relaxing reception with colleagues.

Register early for both of these exciting events: online at <https://www.engr.washington.edu/epp/nanotech/registration.html>

And see further details for both below under "Events."

Please contact Mack Carter or call (206) 616-9320 for questions.

Job Openings

STM Doctoral Position
FT Associate Director
Chairs and Faculty Positions

[ARGONE NATIONAL LABORATORY](#)
[CENTER FOR PROBING THE NANOSCALE, STANFORD UNIVERSITY](#)
[DEPT. OF BIOENGINEERING, UNIV. OF LOUISVILLE](#)

Joint Tenure-Track Position
Micro/NanoTech Faculty Pos.
Postdoctoral Research Assoc.
K-NRSA Fellowships
BioMed/Eng Domain Expert
UHV_STM Doc. Pos.

[DEPT. OF CHEM/PHYS, UNIV. OF LOUISVILLE](#)
[DEPT. OF ELECTRICAL/COMP ENG, UNIV. OF LOUISVILLE](#)
[DEPT. OF PHYS/AP/ASTRO, RENSSELAER POLYTECHNIC INSTITUTE](#)
[FELLOWSHIPS IN CANCER NANOTECHNOLOGY RESEARCH](#)
[GEORGIA INSTITUTE OF TECHNOLOGY](#)
[RENSSELLAER, DEPT. OF PHYS/AP/ASTRO](#)

Coming Up...

Conferences

Sept. 08, 2005

Sept. 15, 2005

Sept. 19, 2005

Sept. 20 – 21, 2005

Sept. 23- 26, 2005

Oct. 07, 2005

Oct. 22-27, 2005

Oct. 31- Nov. 03, 2005

[WASHINGTON TECHNOLOGY CENTER GRANTS PROGRAM](#)

[NANOTECHNOLOGY BUSINESS IDEA COMPETITIONS](#)

[NTUF SHORT COURSE 2005](#)

[NANOSCALE SCIENCE AND TECHNOLOGY WORKSHOP 2005](#)

[2005 TAIWAN NANO TECH](#)

[PACIFIC NW BIOMED & LIFE SCIENCES SUMMIT](#)

[ADVANCING BENEFICIAL NANOTECHNOLOGY](#)

[SAMPE CONFERENCE](#)

[-top-](#)

CONNECTIONS

Pew Scholars Program in the Biomedical Sciences

The Pew Scholars Program in the Biomedical Sciences will accept two applications from the University of Washington for its 2006 competition. The program is intended to support young investigators of outstanding promise in basic and clinical sciences relevant to the advancement of human health.

Each Scholar will receive \$60,000 each year to help support his/her research over a four year period. Fifteen scholars will be chosen in the nationwide competition.

The University will submit one nomination for a candidate who is involved in basic biomedical research. The second nomination will be for a clinically-oriented candidate whose research requires "his or her personal involvement directly with patients." Applicants whose laboratory research utilizes cellular and molecular genetic approaches to human disease are encouraged to apply. The program seeks nominees in this category who have expert clinical knowledge and daily responsibility for patients with illnesses related to his or her investigations at the laboratory level.

Other guidelines for application are as follows:

1. Application is restricted to current junior members (assistant professors or equivalent) of the faculty who will not have been member of the full time faculty for more than three years as of July 1, 2006. Scholars may not simultaneously be supported by other similar, privately-funded scholar awards during the first two years of the Pew Scholarship (Searle, Merck, Burroughs-Wellcome, McKnight, Keck, Klingenstein, Packard, Howard Hughes, Culpepper, and Beckman).

Applications will be considered from faculty from affiliated institutions.

2. Applicants must include a letter of support from the Chair, CV, list of proposed references, and statement from the nominee that describes most significant research contribution to date and proposed research plan (<u>not to exceed two typewritten pages</u>).

3. The original nomination and nine copies should be sent to Peggy Fanning, Office of Research, Box 351202, by Thursday, September 8, 2005.

4. Nominations will be reviewed within the Provost's Office. Final applications will be due in Office of Sponsored Programs by October 25, 2005.

If you have any questions regarding this nomination process, please contact Peggy Fanning, Office of Research, at 543-7502. You can also check out their web site at <http://www.pewscholars.com/>

FT Associate Director *position still open*

Center for Probing the Nanoscale
Stanford University

General Duties: Design, direct and evaluate CPN's educational and industrial programs and partnerships; manage the day-to-day educational and outreach activities of the Center; monitor scientific operations; and work with Center PIs on stewardship of the core grant and on seeking new funding opportunities. The Associate Director will be one of two full-time staff members and, along with the Program Administrator/Financial Analyst, will be responsible for monitoring operations and will report to the Director. The successful candidate will be able to explain concepts in physical science to both nonexperts and experts, and will have, or be interested in acquiring, knowledge of nanoscale science and technology. A PhD in a science or engineering field is highly desired, but exceptional candidates with a Master's or Bachelor's will be considered. The successful candidate will help to set the directions and priorities of the Center.

The position requires demonstrated outstanding communication and organizational skills; the ability to set priorities and enact them in a fluid and fast-paced environment; and, above all, a passion to facilitate learning and share the joy of science and technology.

To apply, please go to the Stanford Careers website, <http://jobs.stanford.edu>, and search for position #008432, where you can find a somewhat more detailed description of the Associate Director position (this should be up by Wednesday evening, August 3). Submit a CV and a cover letter. In your letter, please indicate how you heard about this position. If you have questions, please contact **Laraine Lietz-Lucas**, Program Administrator of CPN, at lietz@stanford.edu. We will begin screening applications August 15th, and will continue until we have filled the position.

Biomedical Engineering Domain Expert *position still open*

Microelectronics Research Center
Georgia Institute of Technology

The Microelectronics Research Center at Georgia Tech has an immediate need to hire a Biomedical Engineering Domain Expert (BEDE). Do you know a graduate student, post doc or colleague who would like to continue his research in a premier nanofabrication facility (<http://grover.mirc.gatech.edu>) while contributing to the success of a long-term, well-funded program? Candidates must have these essential qualifications:

- PhD in science or engineering and/or equivalent experience with a strong background and demonstrated track record in biology, biochemistry, biomedicine or bioengineering research.
- Preferred candidates will have experience in advanced micro- and nano- fabrication methods as they apply to the fields of bioengineering, biomedicine, biochemistry and the life sciences.

The BEDE will advise and assist National Nanotechnology Infrastructure Network (<http://www.nnin.org>) users working on biomedical or bioengineering projects in the planning and execution of their nanofabrication work at Georgia Tech. The BEDE will establish and maintain baseline fabrication processes as well as introduce and develop advanced process methods and train users in these methods. The BEDE will assist users to successfully interact with other NNIN schools. NNIN users (some of whom will have little knowledge of micro- and nano-fabrication methods) include undergraduate and graduate students, post-docs, faculty, and researchers from industry and government labs. Much of the activity will occur in our state-of-the-art 7000 square foot clean room (<http://www.mirc.gatech.edu>) with additional work taking place in supporting labs and facilities around campus.

Please send your CV to Attention Hiring Manager, Tina Prestridge via email at tina.prestridge@mirc.gatech.edu.

Georgia Institute of Technology is an equal opportunity employer.

ENDOWED CHAIRS AND FACULTY POSITIONS *position still open*

Dept. of Bioengineering
University of Louisville

The Department of Bioengineering is also seeking outstanding candidates for an endowed chair in either bioinformatics, bionanotechnology or tissue engineering and assistant, associate and full professor positions to establish and expand research collaborations between the Speed School of Engineering and the Health Sciences Campus as well as the Louisville Medical Center complex which includes a number of world-class hospitals such as Jewish Hospital, Norton Healthcare, Kosair Children's Hospital and University Hospital. The new faculty will be responsible for shaping the new academic program and delivering the new curricula in Bioengineering. Individuals with expertise in the areas of bioelectronics, biomedical devices, BioMEMS, bionanotechnology, and molecular and tissue engineering are strongly encouraged to apply. Candidates must hold an earned doctorate degree in a related engineering field, qualify for a faculty appointment in the Bioengineering Department and demonstrate an ability to secure extramural funding through a record of high quality bioengineering research.

Applications and nominations will be accepted and reviewed on a continuous basis until all the positions are filled.

Please send a letter of application that addresses your credentials, the names and addresses of three references, a summary of research and teaching interests and a copy of your current Curriculum Vitae to:

Robert S. Keynton, Ph.D.
Chair, Department of Bioengineering Search Committee
c/o Sally Wren
437 Lutz Hall
Speed School of Engineering
University of Louisville, Louisville, KY 40292
or e-mail to: sawren01@louisville.edu

The University of Louisville is an Affirmative Action, Equal Opportunity employer and encourages qualified women and minorities to apply.

JOINT TENURE-TRACK POSITION *position still open*

Dept. of Chemistry and Physics
University of Louisville

The Departments of Chemistry and Physics at the University of Louisville (UofL) seek applications for an interdisciplinary tenure-track faculty position, preferably at the assistant professor level. This will be a joint appointment between the departments, with the primary department determined by the qualifications and interests of the successful candidate. The applicant's research program should be directed at the interface of Chemistry and Physics and involve techniques that will make extensive use of the new 10,000 sq. ft. UofL Micro/Nano Cleanroom core facility (www.mems.louisville.edu). The successful candidate should have a Ph.D. in Chemistry, Physics, or a related field, as well as relevant postdoctoral experience, and should demonstrate a commitment to undergraduate and graduate teaching in one or both of these disciplines.

Applicants are requested to arrange for the transmission of an up-to-date curriculum vitae, three letters of recommendation, and a statement of research and teaching interests to: **Chair, Chemistry/Physics Search Committee, 102 Natural Sciences Bldg., University of Louisville, Louisville, KY 40292, FAX 502-852-8149.**

Proof of eligibility for U.S. employment will be required prior to employment. Screening of applications will begin on **October 14, 2005**. For more information, see www.louisville.edu/a-s/chemistry and www.physics.louisville.edu.

Women, African-Americans, and other minorities are especially encouraged to apply.

FACULTY POSITION IN MICRO/NANOTECHNOLOGY

position still open

Dept. of Electrical and Computer Eng
University of Louisville

The Department of Electrical and Computer Engineering at the University of Louisville (www.ece.louisville.edu) invites applications for a tenure track position in MEMS or micro/nanoscale technology. Preference is for the assistant professor level, but exceptional candidates will be considered at all ranks. The applicant's research is expected to involve extensive use of the new 10,000 sq. ft. UofL cleanroom core facility (www.mems.louisville.edu). We are interested in applicants from a broad range of device technologies, including: MEMS/NEMS, microelectronic devices, nanoelectronics, spin electronics, quantum effect devices, organic-inorganic hybrid devices, fabrication and processing, micro/diffractive optics and MOEMS, RF-MEMS, sensors and actuators, polymer devices, bioMEMS, and TAS.

Applicants must demonstrate excellent research potential and teaching ability. Individuals having relevant industrial experience are encouraged to apply. A Ph.D. in an appropriate area is required.

Applicants should submit a curriculum vitae (including visa status), statements of research and teaching interests, a description of start-up needs, and arrange for three letters of reference to be sent to:

B.W. Alphenaar, Search Committee Chair
Attention: Almedina Pepic
Department of Electrical and Computer Engineering
University of Louisville
Louisville, KY 40292

E-mail: almedina.pepic@louisville.edu

The University of Louisville is an Equal Opportunity, Affirmative Action Employer

FACULTY POSTDOCTORAL RESEARCH ASSOCIATE

position still open

Department of Physics, Applied Physics and Astronomy
Rensselaer Polytechnic Institute

The Department of Physics, Applied Physics and Astronomy currently has an opening for a Postdoctoral Research Associate. A Ph.D. in Physics is required with extensive experience in UHV (ultra high vacuum) STM (scanning tunneling microscopy) for imaging and spectroscopy, electron diffraction, and thin film growth techniques.

Applicants should send a copy of their CV, a statement of research interests and proposed activities, and arrange for three letters of reference to be sent to:

Joan Perras, Dept. of Physics, Applied Physics and Astronomy
School of Science
Science Center 1C25
Rensselaer Polytechnic Institute
110 8th Street
Troy, NY 12180-3590

"We offer an excellent benefits package including health, dental, life insurance, retirement, tuition, etc. Visit our website at <http://www.rpi.edu/dept/hr>

Rensselaer is an Affirmative Action/Equal Opportunity Employer and qualified women and minorities are strongly encouraged to apply.

EXPERIMENTAL POSTDOCTORAL *position still open*

Scanning Tunneling Microscopy

Argonne National Laboratory

A postdoctoral position is available for candidates with extensive experience in scanning tunneling microscopy and spectroscopy.

“As a joint effort between Argonne National Laboratory’s Advanced Photon Source, Materials Science Division, and Center for Nanoscale Materials, we are developing a novel x-ray microscope with nanometer scale resolution, utilizing a scanning tunneling microscope as a detector for element-resolved soft x-ray interactions with a sample.

“The successful candidate will work collaboratively with scientists from the APS and Materials Science Division to develop the integrated STM / x-ray technique, and utilize it and other SPM methods to explore spatially inhomogeneous physics in complex materials such as manganites, superconductors, and ferroelectrics.

“Candidates should be experimentalists specializing in STM, and have a recent Ph.D. in Applied Physics, Condensed Matter Physics, Materials Science, or related discipline.”

Send a cover letter, CV, synopsis of STM experience, and contact information of 3 references through the Argonne website at <http://www.anl.gov/jobs> under job search for requisition number CNM 308607. Inquiries concerning this position should be addressed to Dr. John Freeland at freeland@anl.gov

Argonne National Laboratory is operated by the University of Chicago for the U.S. Department of Energy

Argonne is an equal opportunity employer and we value diversity in our workforce.

FELLOWSHIPS IN CANCER NANOTECHNOLOGY RESEARCH (11/17)

Department of Health and Human Services

Ruth. L. Kirschstein NRSA

This RFA supports the training of individuals from the basic, biomedical, clinical, and information sciences and engineering who are pursuing research that applies nanotechnology development and application for the prevention, detection, diagnosis, or treatment of cancer.

This funding opportunity will use Ruth L. Kirschstein National Research Service Awards (Kirschstein-NRSA) to support individual postdoctoral fellowships (F32) and senior fellowships (F33).

The NCI intends to commit approximately \$15.5M over three years to fund a total of 36 new fellowships in response to this RFA (approx. 18 for each mechanism). The total amount of funds committed for F32 fellowships for FY 2006 is approx. \$0.75M. The total for F33 fellowships and supplements for FY 2006 is approx. \$4.42M. An applicant may request a project of up to 3 years for F32 (stipend levels depend on full years of post-degree experience at the time of award, and include an institutional allowance; both amounts are determined yearly by Congress) and 2 years for F33 fellowships (stipend not to exceed the level of Kirschstein-NRSA stipend support for individuals with more than 7 years experience. An applicant may request a project period of up to 3 years for F32 and 2 years for F33 fellowships. The anticipated start date for fellowship awards is July 2006, and funding will terminate no later than Sept. 2009.

Eligible supporting organizations include for-profit and non-profit organizations, public or private institutions (such as universities, colleges, hospitals, and laboratories), units of State government, units of local government, eligible agencies of the Federal government, and domestic or foreign institutions/organizations.

Any individual with the skills, knowledge, and resources necessary to carry out the proposed research is invited to work with his or her institution and mentor to develop an application for support. By the time of award, candidates for the F32 or F33 fellowship must be citizens or non-citizen nationals of the United States or must have been lawfully admitted to the United States for Permanent Residence (i.e., possess a currently valid Alien Registration Receipt Card 1-551 or other legal verification of such status).

Before a Kirschstein-NRSA F32 postdoctoral fellowship or F33 senior fellowship can be activated, the individual must have received a Ph.D., M.D., D.O., D.C., D.D.S., D.V.M., O.D., D.P.M., Sc.D., Eng.D., Dr. P.H., D.N.S., N.D., Pharm. D., D.S.W., Psy.D., or equivalent doctoral degree from an accredited domestic or foreign institution. Certification by an authorized official of the degree-granting institution that all degree requirements have been met is also acceptable. In addition, applicant for a Kirschstein-NRSA F33 senior fellowship must be at least 7 years beyond one of the above qualifying degrees, have had at least 7 years of post-degree relevant research or professional experience, and have established an independent research career.

An applicant may submit only one application for this one-time RFA.

See [Section IV.1](#) for application and submission information.

Key Dates:

Release Date:	July 13, 2005
Application Receipt Date:	November 16, 2005
Peer Review Date:	February 2006
Council Review Date:	May/June 2006
Earliest Anticipated Start Date:	July 2006
Expiration Date:	November 17, 2005

[-top-](#)

EVENTS

VP- SCANNING ELECTRON MICROSCOPE Road Show (08/29 – 09/02)

Presented by Hitachi High Technology

Georgetown University Conference Center, Washington, D.C.

Hitachi Road show series features the latest variable pressure scanning electron microscope (VP-SEM) the S-3400N. The S-3400 will be shown for demonstrations in ten cities throughout the U.S. The Seattle Road show is from August 29 thru September 2, 2005.

“The S-3400N VPSEM is the first instrument to fully automate the alignment of the five position objective aperture with a ‘no touch’ one button keystroke. The patented Quad Gun Bias delivers unsurpassed beam current well suited for low voltage imaging and X-ray analysis. The new analytical chamber is designed to handle a variety of large samples and hardware for dynamic experiment. The system is ideal for oily, wet or contaminated, non –conductive specimens that are commonly associated with biological, pharmaceutical, materials and botany applications. The Turbo Molecular Pumping system (TMP) provides a quick and clean pump down and reduces power consumption by over 50%.”

For more information on the Hitachi Road Show series see listings under EVENTS at <http://www.hitachi-hita.com> or contact Elisa Merendino at elisa.merendino@hitachi-hita.com

Submit - Grants Program Applications (09/08)

Research and Technology Development

WASHINGTON TECHNOLOGY CENTER

WTC’s Research and Technology Development (RTD) awards program is designed to help Washington companies grow faster, create jobs and be more attractive to investors.

Award Amounts Increased! Phase 1 up to \$100,000 and Phase 2&3 up to \$200,000!

RTD Award Orientation Meetings:

- Spokane, August 16, 10am to 11am, SIRTI Offices
- Pullman, August 15, 12noon to 1:30pm, Office of Grant and Research Development, WASU
- Seattle, September 7, Bowen Room, Fluke Hall, UW

Deadlines:

- Notice of Intent, September 08
- Proposal, October 13

For details on how to apply for WTC's next round of grants including proposal materials and application deadlines, visit the RTD Awards page on our website.

For questions or add'l information, please contact Russell Paez, (206) 616-3102, rpaez@watechcenter.org

NANOTECHNOLOGY BUSINESS IDEA COMPETITIONS (09/15)

2ND Annual, International and North Coast

Organized by Case Western Reserve University

“\$150,000 up for grabs...\$75,000 will be awarded to winners of the International competition and another \$75,000 will be awarded to the top entrants from Northeast Ohio or those entrants that agree to locate their businesses in Northeast Ohio.

“Semifinalists will be evaluated by a distinguished panel of judges on October 20. A final round of judging and winners will be announced the following day on the campus of Case Western Reserve University. Winners will be evaluated on the idea's ability to meet a market need.”

“What's it take to enter? A five-page description of your business idea – not a full-fledged business plan and a \$100 entry fee.”

Submit your Letter of Intent by September 15, 2005. More information is available on the web via <http://www.tiime.case.edu>.

Questions regarding this great opportunity should be directed to 2005Competitions-TiME@case.edu

NTUF Short Course 2005 (09/19)

Sponsored by FEI, Zeiss, and Renishaw

Characterization and Fabrication at the Nanoscale

University of Washington Club, UW Campus

Advances in characterization and fabrication approaches at the nanoscale are providing exceptional insight into structure and behavior. These approaches underpin all discoveries in the nano world. Specifically designed for graduate students, research engineers, and scientists who are developing and building working experience on the use of state-of-the-art nanotech research tools in support of nanotech research, the one-day Short Course will provide a concise overview of the tools and processes needed for today and tomorrow.

While the creation of images is of great significance to the world of science, it can also be brilliant art. The “Science as Art” competition among current UW-NTUF users showcases our research portfolios through 11 by 16 inch size “art” prints. The art gallery will be displayed in Fluke hall on September 19, 2005, with a judging opportunity open to all short course attendees. Awards will be presented to the top three winning entries at the Nanoscale Science and Technology Workshop on September 20-21.

For more information visit: <http://www.nano.washington.edu/ntuf2005/>.

Nanoscale Science and Technology Workshop 2005 (09/20– 09/21)

Presented by UW Center for Nanotechnology and UW/PNNL Joint Institute for Nanoscience
Henry Art Gallery, Seattle, WA

Center for Nanotechnology at UW and the UW/PNNL Joint Institute for Nanoscience present with event sponsors the 5th Annual Nanoscale Science and Technology Workshop 2005 at the Henry Art Gallery on the UW campus Tuesday, September 20th through Wednesday, September 21st, 2005. UW faculty, students, PNNL scientists and participants from other institutions will share their leading edge research into the emerging fields of Functional Nanostructured Materials, Nanoparticles and Nanocomposites, Nanocatalysis and Hydrogen Storage, and Nanomedicine and Nanotech Cancer Research. Four keynote speakers are scheduled to present their work in these research areas. The workshop will include a poster session, graduate student poster presentation award, and a dinner cruise to foster interactions.

The deadline for early registration is September 9, 2005.

Register online for this event at: <http://www.nano.washington.edu/workshop2005/>

Or download the form and fax to: 206-543-2352

Or mail to: Engineering Professional Programs, 10303 Meridian Ave N, Suite 301, Seattle WA 98133-9483

For registration questions, e-mail uw-epp@engr.washington.edu or call 206-543-5539; toll-free, 1-866-791-1275

For other questions about the Short Course or Workshop, please contact Mack Carter at (206) 616-9320

2005 TAIWAN NANO TECH (09/23 – 09/25)

Invitation through Taiwan External Trade Development Council
Taipei World Trade Center, Taiwan

“This promising sector has captured the attention and imagination of everyone from environmental engineers to entrepreneurs, and savvy investors know that the production value of Taiwan's nanotechnology industry is projected to reach and will probably exceed US\$29.5 billion by 2012. To ensure this success, the publicly-funded National Nano Science and Technology Program will invest over US\$662 million over the next five years, coalescing industry, academia and the public sector to train skilled professionals and build on Taiwan's established strengths in information technology, biotech, materials, electronics, and optoelectronics, and seize on the possibilities to become a leading producer of a multitude of nano-devices and products. Nano Tech TAIWAN 2005 will showcase the fruits of these concerted efforts and shine light on the breakthroughs to come.”

For more information visit <http://www.taipeitradeshows.com.tw/nano/> or contact Kim Hsieh at 888-2-27255200 ext. 2618

PACIFIC NW BIOMED&LIFE SCIENCES SUMMIT (10/07, 8am-5pm)

Pacific Northwest Summit
Davenport, Hotel, Spokane, WA

The Pacific Northwest Biomedical and Life Sciences Summit offers the ideal venue for getting the inside track on these programs directly from experts at four federal agencies: NIH, DOE, the Dept. of Defense and NASA.

Program Highlights:

- Hear first hand from federal agencies on what they look for in award-winning biomedical and bioscience grants.
- Meet on-n-one with agency representatives who can guide and assist you in understanding development opportunities.

- Get professional advice and inside tips from legal and financial experts on issues such as contract management, business growth and development
- Learn how to leverage your awards to further your commercialization efforts.

Register by August 31 for only \$99. On Sept. 01, the regular fee of \$125 applies. This fee includes breakfast, lunch and all program materials. Register online or download the Life Sciences Summit Registration form and fax it to (206) 543-3059.

ADVANCING BENEFICIAL NANOTECHNOLOGY (10/22 - 10/25)

13th Foresight Conference, *Focusing on the Cutting Edge*
San Francisco Airport Marriott Hotel

Four Complimentary Sessions - Vision, Policy, Applications and Research – are designed to give both veterans and newcomers a thorough understanding of the most important issues in advanced nanotechnology.

: : **VISION** : : This annual event offers a rare opportunity to hear world-class speakers discuss the future of nanotechnology candidly and off-the-record. Opening with a reception on Saturday night, the brainstorming continues on all-day Sunday. Bring your own version of nanotechnology's future and join this mixture of executives, engineers, research scientists, investors, writers, artists and futurists. (10/22-23/05)

: : **POLICY** : : This day focuses on current public policies and strategies that need to be adopted to ensure that the nanotechnology revolution will unfold for the benefit of all. Speakers will discuss topics including: issues with current U.S. policy in nanotechnology, assessing the U.S. research portfolio, international nanotechnology programs, policy options, regulation models, the politics of research, ethical issues, security strategies, and the public perceptions of nanotechnology. (10/24/05)

: : **APPLICATIONS** : : This day covers critical applications that address the Foresight Nanotechnology Challenges and are the stepping-stones towards advanced nanotechnology. Speakers will address current applications and their future uses in the following areas: energy, water purification, environment, medicine, agriculture, information technology, space, military, intellectual property, and economic development. (10/25/05)

: : **RESEARCH** : : As the original focus of the Foresight Conference, these days focus on the most exciting research advances in the field, including those that are leading towards molecular machine systems and molecular manufacturing. Academic, government and corporate researchers will discuss their fascinating recent work. (10/26-27/05)

REGISTER NOW AND SAVE \$200 ON ACADEMIC RATE

Link to research days: <http://www.foresight.org/conference2005/research.php>

Link to full conference schedule and downloadable brochure: <http://www.foresight.org/conference2005/index.html>

Group discounts are available.

SUBMIT AN ABSTRACT - Deadline September 1, 2005

There is still time to submit an abstract for the Advancing Beneficial Nanotechnology Conference. For submission details https://foresight.org/forms/php/abstract.php?Event_ID=44

BOOK YOUR AIRFLIGHT NOW

It has come to our attention that several airlines are offering incentive discounts. Here is a link to a sample of these discounts -- some expire after August: <http://airfare.travelzoo.com/north-american-airfare/200570>

FORESIGHT PARTICIPATING MEMBERS DISCOUNTS

Foresight Nanotech Institute's Participating Members receive deep discounts to the Advancing Beneficial Nanotechnology conference. What you save in registration practically pays for the membership. If you are attending 3 or more days of the conference and register by September 1, 2005, the registration fee is \$695. If you become a Participating Member your price is \$495, and you receive additional membership benefits, including the opportunity to attend the invitation-only Vision Weekend.

For a complete list of Participating Member benefits: <http://www.foresight.org/members/index.html>
Participating Members can join online: <https://foresight.org/forms/php/donate.php>

For a detailed schedule of the conference or to become a Corporate Sponsor, visit them at <http://foresight.org/conference2005/>.

SAMPE CONFERENCE (10/31 – 11/03)

Materials and Processing Technologies for Revolutionary Applications

Renaissance Seattle Hotel, Seattle, Washington

Submission Deadline has passed. Final Papers are due July 13.
Presentations are from October 31 through November 3 in Seattle.

With the nanotech effort being interdisciplinary, students and professors from chemistry, physics, etc. are highly encouraged to attend this conference.

“Here is why you must add this conference to your schedule:

- An outstanding technical program highlighting the innovative and significant technological developments in the materials and process industry,
- A special program within the conference devoted to nanocomposites,
- A diverse tutorial program, whether you are new to the industry or just need a refresher...
- A full exhibit hall of companies whose products and services you need to solved your manufacturing challenges

For more information, visit their website at <http://sampe.com/events/2005seattle.aspx>

[-top-](#)

CONTACT

Submissions & Comments:

To submit an Announcement or Comment to the Nano Northwest Newsletter please send to nano_submit@u.washington.edu.

Sign Up & Removal:

To sign up or to be removed from this newsletter, please go the general membership home page located at https://mailman.u.washington.edu/mailman/listinfo/nano_newsletter.

[-top-](#)