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POSITIONS AVAILABLE

SCIENTIST

GlaxoSmithKline's Process Development group, responsible for developing and transferring cell culture-based processes to Global Manufacturing Sites (GMS) across the organization and Contract Manufacturing Sites (CMO), is looking for a Principal Scientist for its Upper Merion, PA location to work within late stage mammalian cell culture process development group. The candidate will provide technical leadership to a team of scientists/engineers and oversee development and optimization of cell culture processes for Phase 3 and commercial-scale protein production. Ph.D. in Chemical/Biochemical Engineering plus post-doctoral experience in cell physiology, cell metabolism (glycosylation, cell energetics), protein production, and process development using mammalian cell culture systems required. The candidate will author and review technical reports, protocols and technology transfer documents to support regulatory filings. Experience with process scale-up and technology transfer is essential. The candidate must have a proven track record of technical excellence and process innovation. Competitive salary and benefits. **Send CV & salary requirements to: BHG Box 67852, 220 E. 42nd St., 14th Fl., NY, NY 10017. Indicating ad code "SCI" is essential.** Principals only, no agencies. EOE.

REC SILICON

REC SILICON is a subsidiary of Renewable Energy Corporation (REC) of Norway. REC was founded in 1996 and has quickly become one of the world's leading businesses within solar energy. The company has a presence in all parts of the industry value chain from production of raw material (REC Silicon) to solar energy products. The energy market we are in has been experiencing tremendous growth. Currently, the solar market is constrained by silicon supply, so REC Silicon is rapidly expanding capacity by building new plants, debottlenecking existing facilities and aggressively pursuing technology development. REC Silicon operates silicon refineries in Washington State and Montana. Our chemical process begins with hydrogenation of silicon in a chlorosilanes environment followed by a distillation and reaction process to produce silane gas (SiH₄). The silane gas is then pyrolyzed into ultra pure silicon in either multiple batch style reactors or in newly developed fluidized bed reactors for continuous production. Our chemical process resembles many petrochemical processes such as ethylene, but we are silicon chemistry based rather than carbon chemistry based. We are looking for experienced personnel to help us grow our business. If you have 3 or more years experience in process development, running, designing or building chemical plants, then REC Silicon may be a good place for you to start a new career. We offer a competitive base salary/benefits along with performance based bonus and a great work environment in a beautiful part of the country. Position openings include: **PROCESS DESIGN ENGINEERS (Chemical)** - Perform detailed engineering in support of manufacturing debottleneck and new plant expansion efforts; **PRODUCTION ENGINEERS (Chemical)** - Provide technical support to meet production goals; **PROCESS TECHNOLOGY DEVELOPMENT ENGINEERS (Chemical and Materials Science)** - Work closely with R&D and Production to proof and develop scaleable, robust new processes meeting the defined business strategy; **MECHANICAL ENGINEERS**; **RELIABILITY ENGINEERS** with rotating equipment experience; **PROJECT ENGINEERS/MANAGERS** for in-plant projects as well as \$500M+ expansion projects. International experience is

desired for the \$500M+ projects; **FLUID BED DEVELOPMENT ENGINEERS (Chemical)** - Works in an integrated team to develop this new process for polysilicon manufacture beyond the current first generation technology; **MANUFACTURING AND ANALYTICAL CHEMISTS (MS or PhD Chemist)** - Oversee analytical efforts in support of manufacturing quality control along with incorporating new techniques within the company in support of the process development activities; **QUALITY ASSURANCE/LEAN MANUFACTURING ENGINEERS** - Active support of the manufacturing team to assure lowest cost, highest quality robust production. Also supports product management in support of customer development; **PRODUCTION/SUPERINTENDENT/MANAGEMENT Positions**; **OPERATORS AND MAINTENANCE CRAFTSPEOPLE**. **Interested candidates should submit their resume to: REC SILICON, 3322 Road "N" NE, Moses Lake, WA 98837, Attn: Human Resources Or e-mail to: recsilicon.hr@recgroup.com.** For more company information, please visit our website at recgroup.com.

CHEMICAL ENGINEER

International Flavors & Fragrances Inc., a leader in creating and manufacturing innovative flavors and fragrances has an outstanding opportunity for a Chemical Engineer at our R&D facility in Union Beach, NJ. A strong reaction engineering background, and an MS or PhD in Chemical Engineering is required. Knowledge of organic chemistry and the development of fine or specialty chemicals would be desirable. **Please email resumes to fran.banks@iff.com, with "Chemical Development, NAME" (NAME= candidate last name) as the subject.** Applicants must be authorized to work in the United States. IFF is an Equal Employment Opportunity Employer M/F/D/V.

PROCESS ENGINEER (HOUSTON, TX)

Dvlp process flow, process Instrumentation diagrams, & heat & material balance. Gather field data, perform process calculations, & dvlp processes for optimizing & economizing oil production/transportation. Should be proficient in HYSYS. Reqs BS in Chemical Engg w/1 yr of relevant job exp. **Send resumes to HR, Waldemar S. Nelson & Company, 1200 St. Charles Ave, New Orleans, LA 70130.**

ACADEMIC OPENINGS

UNIVERSITY OF HAWAII, ASSISTANT PROFESSOR IN BIOPROCESS ENGINEERING

2 positions, tenure track. Establish a strong research program in bioprocess engineering and teach undergraduate and graduate courses in biological engineering. Ph.D. in biological or chemical engineering or closely allied disciplines, with formal experience in bioprocess engineering. The position requires a solid background in engineering fundamentals as well as working knowledge of modern biological sciences. **To apply: Send cover letter, C.V., statement of research and teaching interests, 2 or more representative reprints, copies of university transcripts, and arrange to have 3 confidential letters of recommendation directly sent to: Search Committee Chair, Department of Molecular Biosciences & Bioengineering, University of Hawaii at Manoa, 1955 East West Road, Honolulu, HI 96822.** Further information on the position and the department can be viewed at <http://www.ctahr.hawaii.edu/mbbe/job.html>. Inquiries: 808-956-8384.

FACULTY POSITION, DEPARTMENT OF CHEMICAL ENGINEERING, UNIVERSITY OF LOUISIANA AT LAFAYETTE

The Department of Chemical Engineering at the University of Louisiana at Lafayette is seeking nominations and applications for a tenure-track position at the assistant, associate, or full professor level beginning Fall 2007. Candidates are sought who have earned a doctorate in Chemical Engineering or closely related area, and who have a strong interest in education at both the undergraduate and graduate levels. Candidates with research capabilities in polymers or biotechnology are particularly encouraged to apply. However, all areas will be considered. The Department of Chemical Engineering has 9 faculty members, 90 undergraduate and 22 graduate students. The faculty give priority to teaching excellence and enjoy strong support from alumni, friends, and industry. It currently has two endowed chairs and numerous endowed scholarships. The University of Louisiana at Lafayette, which has an enrollment of over 16,300, is the largest of our publicly supported universities governed by the University of Louisiana System. The College of Engineering has an enrollment of over 1200 students, with six fully accredited departments. Located in the "Cajun" part of Louisiana, Lafayette is a friendly yet vibrant city of about 120,000. Applications and nominations will be accepted until the position is filled. Initial screening of the applicant pool will commence on May 1, 2007. Applicants should provide a cover letter, complete curriculum vitae, and a list of five references that may be contacted during any stage of the search. UL Lafayette is an equal opportunity employer dedicated to increasing diversity among its ranks. **Submit applications via email or regular mail to: Dr. James Garber, Head, UL Lafayette Search Committee, P. O. Box 44130, Lafayette, LA 70504-4130, PH: 337-482-6151, Email: garber@louisiana.edu. EEO# EN 5-05.**

THE DEPARTMENT OF CHEMICAL ENGINEERING (CIT) OF THE FACULTY OF ENGINEERING AT THE KATHOLIEKE UNIVERSITEIT LEUVEN (BELGIUM)

invites applications for 2 tenured or tenure-track faculty positions: **In the field of Industrial Biotechnology (24/2001):** (Inter-)national context: Driven by an increasing economical and ecological importance of sustainable chemistry, several top level Chemical Engineering departments converted into Chemical and Biochemical Engineering departments. A number of accurately defined research themes in the seventh framework program FP7 of the EU (2007-2013) point in the same direction, both at the level of products (e.g., biopolymers) as at the level of processes (e.g., bioreactors). At the Flemish level reference is made to the recently published Action Plan Chemical Industry (in Dutch, see www.fedichem-vlaanderen.be/nl/rondetafel), based on the activities of the Round Table Chemistry (2006): in this report the creation of a cluster industrial biotechnology in Flanders is put forward as a major innovation action point. Research task: Flemish biotechnological research has a strong international reputation, with the Flemish Institute Biotechnology (VIB) playing a central role. The main objective of this vacancy in industrial biotechnology is to translate/transfer the in vitro realizations of modern biotechnology (within K.U. Leuven generated in several departments) into high performance industrial processes based on a chemical engineering approach. Important issues in the innovative research of the candidates are scale up, process design (including experiment design), sensor technology, optimization of cell environment in full scale reactors, downstream processing (separation processes), ... The successful candidate: is expected to perform research complementary to ongoing activities, in particular in the Chemical and Biochemical Process Technology and Control Section and in the department as a whole; should be willing to teach relevant courses in the bachelor and master Chemical Technology, and related curricula; should hold a PhD in Engineering or Bio-engineering. **In the field of Process Intensification (24/2002):** Innovative research enabling sustainable chemicals production must cover a much broader range of production scales and production applications, and development must move from individual devices to complete integrated production systems. Issues both in

scale-down for ultra small-scale production of extremely high value-added products early on in the development stages (pharmaceuticals for clinical trials, etc.), as well as scale-up for precision engineering of product end-use properties (such as droplet and grain-size distributions, crystalline polymorphism, isomeric ratios, etc.) for high-tonnage sectors through locally targeted process control (integrated sensors and actuators) need to be addressed. Research should initially target a new generation of extremely flexible, high-performance processes and sustainable technologies, having the long-term goal of developing programmable chemical production units whose local operating conditions adapt automatically to changes in feed composition, product specifications, etc. A major objective should be a substantial drop in capital expenditure for new plant and/or for retrofit of high-performance intensified devices into existing infrastructure. The successful candidate is expected to perform research complementary to ongoing activities, in particular in the Applied Physical Chemistry and Environmental Technology Section and in the department as a whole; should be willing to teach relevant courses in the bachelor and master Chemical Technology, and related curricula; holds a PhD in Engineering or Bio-engineering; **For both positions:** initially non-Dutch speaking candidates can teach in English. They should, however, be able to teach in Dutch within three years. The appointment will be made at the rank of assistant professor or higher, depending on the candidate's qualifications. The K.U. Leuven pursues a policy of equal opportunity and diversity. For further information about the applications/application forms please check the web site: www.kuleuven.be (Faculty of Engineering), <http://www.kuleuven.be/personeel/jobsite/apply.htm#ZAP> and <http://www.kuleuven.be/personeel/jobsite/vacatures/engineering.htm> and/or contact Prof. J. Van Impe (Chairman of the Department), jan.vanimpe@cit.kuleuven.be. **Applications should reach our Personnel Department before September 28th 2007. Please also send a copy to Prof. J. Van Impe.** The department's website can be found at <http://cit.kuleuven.be/en/index.php>.

CENTER DIRECTOR/DISTINGUISHED PROFESSOR

Washington State University, in partnership with the Pacific Northwest National Laboratory, is seeking a world class scientist/leader to direct the Center for Bioproducts and Bioenergy and advance the research efforts of the University, its partners and collaborators in establishing the center as an internationally recognized center of excellence. The Director will hold the Battelle Distinguished Professorship and be appointed as a professor with tenure in the appropriate academic department at Washington State University. Required Qualifications: PhD in a bioproducts-related field such as life sciences/bio-technology; chemical engineering/bio-processing; chemistry/organic chemistry/catalysis; strong national reputation as a leading scientist in bioproducts/bioenergy; demonstrated success in building and leading diverse group of multidisciplinary teams in the development and execution of research agendas; demonstrated success in developing industrial partnerships that enable market-based outcomes; experience working with relevant funding and policy agencies; eligibility for appointment as tenured full professor; significant record of peer-reviewed publications, presentations, intellectual property development, technology transfer, and/or other technical products; record of acquisition of significant competitive research funding; and successful management of large programs (>\$5 million/year). Desired Qualifications: Membership in the National Academy of Sciences or similar organization; understanding of and commitment to successful partnerships; administrative experience at a research university; experience developing/administering graduate programs; success as a faculty member at a research university; and record of successful graduate student mentorship. Additional details at www.chr.wsu.edu Search 4696. **Application Process: Send a letter of application addressing the qualification criteria; comprehensive vita and contact information of three professional references to: Julie Nelson, Clerical Manager Search 4696, WSU TC, 2710 University Drive, Richland, WA 99354, janelson@tricity.wsu.edu.** Application review begins: May 18, 2007. EEO/AA/ADA.

ENDOWED CHAIR POSITION, TULANE UNIVERSITY, DEPARTMENT OF CHEMICAL & BIOMOLECULAR ENGINEERING.

We invite applications and nominations for The Herman and George R. Brown Chair in Engineering. We seek an outstanding individual with a Ph.D. in Chemical Engineering or closely related field, with an internationally-distinguished record of research and publication, proven excellence in both undergraduate and graduate chemical & biomolecular engineering education, as well as a demonstrated ability to attract external research support. All research areas will be considered. We especially encourage applications from women, minorities, and persons with disabilities. **Applicants should submit a curriculum vitae, research and teaching plans, and a list of at least three references to: Chair, Endowed Chair Search Committee, Department of Chemical and Biomolecular Engineering, Tulane University, New Orleans, LA 70118.** Complete applications should be received by June 30th, 2007 for full consideration; applications will be accepted thereafter until the position is filled. Tulane is an affirmative action, equal opportunity employer.

THE DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING AT TULANE UNIVERSITY

invites applications for a tenure-track/tenured faculty position. Tulane's chemical engineering department is the third oldest in the country, with a vibrant research program in the signature areas of nanotechnology, biotechnology and advanced materials. There are tremendous collaborative opportunities for interdisciplinary research. Candidates should have a demonstrated excellence in research with a strong commitment to teaching. **Applicants should submit a curriculum vitae, research and teaching plans, and a list of references to: Chair, Faculty Search Committee, Department of Chemical and Biomolecular Engineering, Tulane University, New Orleans, LA 70118.** Applications will be reviewed on an ongoing basis until the position is filled. We especially encourage applications from women, minorities, and persons with disabilities. Tulane is an affirmative action, equal opportunity employer.

UNIVERSITY OF CONNECTICUT, SCHOOL OF ENGINEERING, CT GLOBAL FUEL CELL CENTER, DIRECTOR

The Connecticut Global Fuel Cell Center (CGFCC), in the School of Engineering at the University of Connecticut, invites applications and/or nominations for the position of Director. Reporting to the Dean of Engineering, the Director will oversee operations of the Center. Established in 2001 with academic, government and private funding, the CGFCC seeks to become the world's premier academic resource for advanced fuel cell research, development and technology. It is anticipated that the Director will have discretionary authority to

expend the proceeds from endowment funds to advance his/her research, educational, and outreach activities in the field. Salary and benefits will be commensurate with experience. Areas of technical expertise include, but are not limited to: Fuel Processing, Catalysis, Electrocatalysis, Electrochemistry/Electrochemical Engineering, Fuel Cell Power Plant Systems Analysis, Transport Phenomena, Heat and Mass Exchange, Materials and Polymers, Systems Design Modeling and Manufacturing, and Fuel Cell Applications. Applicants must have a Ph.D. in engineering or a related physical science discipline, as well as a distinguished record of research in fuel cell technology. Academic appointment will be at the rank of full professor aligned with one of the School's five departments. Qualified applicants will have an established record in generating significant external funds, nurturing strong academic/industry partnerships, marketing and promotion, and facilitating team-based visionary research and development in the area of fuel cell technology and application. It is anticipated that candidates will be Fellows in a relevant professional society and have an established national/international reputation in their research areas. Please visit <http://www.engr.uconn.edu/ctfuelcell/> and www.engr.uconn.edu. Review of applications will begin immediately, and will continue until the position is filled. **Send applications, including a CV and the names and contact information of at least five references, to: Chair, CGFCC Director Search Committee, Office of the Dean, School of Engineering, 261 Glenbrook Road, Unit 2237, Storrs, CT 06269-2237.** The University of Connecticut is an Equal Opportunity, Affirmative Action employer.

FACULTY POSITION TEXAS A&M UNIVERSITY- KINGSVILLE

The Department of Chemical & Natural Gas Engineering at Texas A&M University-Kingsville seeks applicants for a faculty member at the associate or full professor level. The department is looking for an accomplished scholar who will strengthen the department in starting its Ph.D. program in chemical engineering. Candidates should have a record of excellence in teaching and research appropriate to support an appointment at the associate or full professor level commensurate with experience. There is no restriction on the area of research. Currently, the department has seven full-time faculty members and one adjunct faculty. Enrollment includes about 100 undergraduates and about 60 MS candidates. The Kingsville campus is located in South Texas; about 40 minutes drive from Corpus Christi, a mid-size resort city, and about 2 hours from South Padre Island, the Rio Grande Valley, and Mexico. The preferred appointment is for Spring 2008; however, applications will be accepted until the position is filled. **Applications should include: 1) a curriculum vitae, 2) educational philosophy,**



THAYER SCHOOL OF
ENGINEERING
AT DARTMOUTH

**THE QUENEAU
DISTINGUISHED PROFESSORSHIP**

Thayer School of Engineering at Dartmouth invites applications from all fields of engineering for the Queneau Distinguished Professorship. The successful candidate will be a recognized leader in research that addresses energy-related challenges facing society. He/she will also be an excellent teacher, will contribute to Thayer School's interdisciplinary approach to engineering education, and, among other subjects, will be able to teach engineering design applied to the integrity of the environment. The search is directed at the upper associate/full professor level.

FOR DETAILS:
<http://engineering.dartmouth.edu/employment>

3) detailed research activities plan, and 4) the names, addresses, and telephone numbers of at least three references. For more details, please refer to <http://www.tamuk.edu/jobs>. The applications should be addressed to: Chair of the Faculty Search Committee, Department of Chemical and Natural Gas Engineering, Texas A&M University-Kingsville, Kingsville, Texas 78363.

FACULTY POSITION OPENING – THE DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING, KOREA UNIVERSITY

invites applications for faculty positions in the areas of Bio-materials and devices, and Semiconducting materials and processing. The rank of the position is open, and both beginning and highly qualified researchers are encouraged to apply. The candidate must demonstrate a strong commitment to education and carry out an active research program. Successful applicants are expected to start in September 2007. **A complete application packet including detailed resume, publication list, references, research plan, should be sent to: Faculty Search Committee (bk21mse@korea.ac.kr), Department of Materials Science and Engineering, Korea University.** Review of applications will begin June 1, 2007 and continue until the positions are filled. Please refer to the website of KU (<http://www.korea.ac.kr>) for further details.