

Visiting Speakers

Dr. Christopher Elles, Department of chemistry, University of Southern California, will speak on "Reaction pathways in the ionization of liquid water" on Monday, December 17, 2007 at 11:00 a.m. in E3-25.

CUMES, the next cumes will be held January 12, 2008 in E3-25 at 11:00.

The Department would like to thank Christianne Ussher for his work in the IT group over the past six years and wish him well as he joins the Division of Technology in Education, Faculty of Education.

The Chemist's Recipe for Chocolate Chip Cookies

The following recipe for chocolate chip cookies recently appeared in Chemical & Engineering News (C&EN, Jun 19, 1995, p. 100). It was attributed to Jeannene Ackerman of Witco Corp.

Ingredients:

1. 532.35 cm³ gluten
2. 4.9 cm³ NaHCO₃
3. 4.9 cm³ refined halite
4. 236.6 cm³ partially hydrogenated tallow triglyceride
5. 177.45 cm³ crystalline C₁₂H₂₂O₁₁
6. 177.45 cm³ unrefined C₁₂H₂₂O₁₁
7. 4.9 cm³ methyl ether of protocatechuic aldehyde
8. Two calcium carbonate-encapsulated avian albumen-coated protein
9. 473.2 cm³ theobroma cacao
10. 236.6 cm³ de-encapsulated legume meats (sieve size #10)

To a 2-L jacketed round reactor vessel (reactor #1) with an overall heat-transfer coefficient of about 100 Btu/F-ft²-hr add one, two, and three with constant agitation.

In a second 2-L reactor vessel with a radial flow impeller operating at 100 rpm add four, five, six, and seven until the mixture is homogeneous.

To reactor #2 add eight followed by three equal portions of the homogeneous mixture in reactor #1. Additionally, add nine and ten slowly with constant agitation. Care must be taken at this point in the reaction to control any temperature rise that may be the result of an exothermic reaction.

Using a screw extruder attached to a #4 nodulizer place the mixture piece-meal on a 316SS sheet (300 x 600 mm). Heat in a 460K oven for a period of time that is in agreement with Frank & Johnston's first order rate expression (see JACOS, 21, 55), or until golden brown.

Once the reaction is complete, place the sheet on a 25 deg. C heat-transfer table allowing the product to come to equilibrium.

Employment Opportunities

are posted on the bulletin board across from the elevators on the third floor. Please do not remove the employment notices from the bulletin board.

Employment opportunities are posted on a new internet site:
<http://www.careerowl.ca>.

Mount Allison University, invites applications for a tenure track appointment in Biochemistry-Chemistry. Please see http://www.mta.ca/hr/employment/empopp_acad.htm#biochem_tt for more information.

Novartis has several positions available
1 – Medicinal chemists (BS/MS) 4 – Group Leader, Scale up (PhD)
2 – Chemogenetics lab head (PhD)
3 – Scale up chemists (BS/MS) 5 – Proteomics Res. Assoc. (BS/MS)

Intel is looking for a recent college graduate to investigate novel molecular synthesis techniques. Please see www.intel.com/jobs for more information.

Sanofi Aventis BioTalent Challenge is looking for mentors for High School students who are studying a biotechnology related question. Please see sabc.Edmonton@bioalberta.com for more information.

Western Washington University has a full time, tenure track position as an assistant or associate professor in biochemistry. Please see employment board for more information.

Natural Sciences and Engineering Research Council of Canada has openings for three postdoctoral fellows. Please see employment board for more information.

Brown University invites applications for a faculty position (open search) in the general area of inorganic chemistry at the Professor rank or tenured senior rank. Please see employment board for more information.

Queen's University, Department of Chemistry invites applications for an appointment as the Alfred Bader Chair in Organic Chemistry. Please see www.chem.queensu.ca for more information.

University of Alberta has an opening for a Laboratory technician. Please see employment board for more information.

Indiana University is seeking applicants for a faculty position in Analytical Chemistry. Please see employment board for more information.

UOIT invites applications for a tenure stream position in Chemistry at any rank. Also invitations are extended for a full time position as Associate Dean in the Faculty of Science. Please see employment board for more information.

Xenon Pharma, has an immediate opening for a BS/MS chemist. Please see <http://www.xenon-pharma.com> for more information.