

DEPARTMENT OF BIOMEDICAL ENGINEERING

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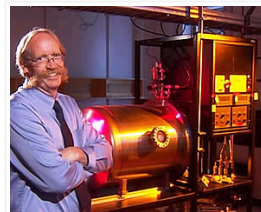
Welcome



Biomedical engineering is interdisciplinary in outlook, involving many different people from a variety of fields.

Our [faculty](#) serve to facilitate the applications of engineering and science to the study of medical problems through excellence in [teaching](#) and [research](#).

Featured Award



Congratulations to Dr. Robert Burrell for receiving the prestigious 2009 EnCana Principal Award from the Ernst C Manning Awards Foundation for his

research and development of the silver nanocrystalline wound dressing Acticoat™, a product marketed in more than 40 countries. Acticoat™, which is anti-inflammatory in addition to being antibacterial, has become the dressing of choice for burns and chronic wounds, having saved countless lives and reduced patient pain and suffering.

- ▶ [Manning Awards](#)
 - ▶ [Canadian Nanotech Wound Dressing Saves Lives](#)
 - ▶ [Robert Burrell](#)
- ▶ Faculty of Engineering
 - ▶ [Burrell wins award for wound treatment discovery](#)

Seminars & Conferences

There are currently no upcoming events.

Review [all events](#).  

News

- ▶ [Canadian Nanotech Wound Dressing Saves Lives](#)
Sep 10
- ▶ [Congratulations to our BME students receiving awards etc](#)
Sep 10
- ▶ [Leaders in Materials Science and Engineering to be Recognized at MS+T'09](#)
Aug 14
- ▶ [Department of Biomedical Engineering merger](#)
Jul 22
- ▶ [Northern Albertans lead the class of Manning Award nominees Four Edmontonians cited for innovations](#)
May 28

Review [all news](#). 

Positions Available

- ▶ BME None
- ▶ [Job Posting: Careers @ UofA](#)

Congratulations to Dr. Robert Burrell who

received this year's Engineering Materials Achievement Award from the Board of Trustees, ASM International in Pittsburg, USA, for "the development of technology and manufacturing methods for silver based nano-structured antimicrobial and anti-inflammatory coatings with significant and wide ranging clinical and patient benefits".

- ▶ [Leading Society for 'Everything Material' Names 2009 Awards Recipients](#)
- ▶ [Inventor of Acticoat wound dressings awarded for innovation](#)

Featured Research

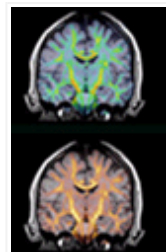
Research News - Alberta Heritage Foundation For Medical Research - cover story - Alberta's Biomedical Engineers - Engineering Better Healthcare (Fall 2009)-

[http://www.ahfmr.ab.ca/researchnews/pdf/Research News Fall 2009.final.pdf/](http://www.ahfmr.ab.ca/researchnews/pdf/Research%20News%20Fall%202009.final.pdf/)



[Dr. Robert E Burrell's](#) research laboratories work to develop and characterize nanostructured noble metals with anti-inflammatory and/or antimicrobial properties for the treatment of various illnesses.

Featured Course



As an introduction to the basic technological aspects of medical imaging, emphasis of [BME 513](#) is on computed transmission tomography, emission tomography, magnetic resonance imaging and ultrasound imaging.

Last Modified: November 17, 2009

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