

COLORADO

CAFÉ SCIENTIFIQUE

TUESDAY 23 MAY 2006

at the Wynkoop Brewing Company

<http://www.wynkoop.com/>

Corner of 18th and Wynkoop in LoDo, Denver

About a block from Light Rail. Thirteen minutes by foot from Auraria.

– TISSUE ENGINEERING: THE BODY SHOP? –

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Tissue engineering is an interdisciplinary field that marries the principles of engineering and the life sciences toward the development of processes that can regenerate or restore function to damaged or diseased tissues. Typically, tissue engineers use advanced biomaterials that serve as scaffolds for the delivery of cells, and the scaffolds further provide cues and signals to the cells to guide the regrowth or healing of a tissue. One of the products of tissue engineering, a temporary skin substitute, is already being used to treat patients with burns and diabetic ulcers. We can discuss examples that illustrate tissue engineering strategies to heal damaged cartilage, engineer *living* heart valves, and treat Parkinson's disease and other neurological disorders. All of this must be placed in the context of many scientific, regulatory, and maybe ethical opportunities and challenges.

EVERYONE IS WELCOME. The discussion starts at 6:30 in the Mercantile Room (no food service there). Come before 6 PM to leave yourself time to get something to eat, or stay and eat afterwards. We end around 8 PM.

There's no charge. The Wynkoop is generously providing the facility; we buy our own food and drinks. It will be first come, first seated, and **seating is limited** so that everyone who wants to can be part of the discussion.

The Colorado Café Scientifique is organized by an informal group of President's Teaching Scholars and faculty from CU and institutions up and down the Front Range, as well as science fans from industry, government and elsewhere. We welcome your input, including ideas for speakers and topics. Bring them with you to the next Café, or e-mail them and any questions to John.Cohen@UCHSC.edu

Essential information on our Web site at
<http://CafeSciColorado.org>