

COLORADO

Café Scientifique

TUESDAY 19 APRIL 2005

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.

—MEDICINE IN THE POST-GENOMIC AGE—

Using the *Proteome* for Diagnosis and Prognosis: Good... and Evil?

Larry Gold

Chairman, CEO & Chief Science Officer

SomaLogic, Boulder

Larry aims to go beyond the human genome project, even before it's completed. His idea is, We can know what your genes *are*, but what are they doing lately? We each have about 30,000 genes, but each cell expresses only some of them, and the ones expressed (that is, made into useful proteins) vary from cell to cell and moment to moment, depending on demand, stress, sickness, and so on. Also, the version of each gene I got from my parents may be different—and its proteins function differently—from the ones you got. Larry thinks the future of medicine depends on being able to take snapshots of protein expression. Maybe these will tell us what diseases you're susceptible to; what drugs will work better than others; what toxins to avoid; what nutrients to seek out. Do you see this as utopian, or do you also see some ethical issues? Come to the Café prepared to discuss and challenge Larry and the rest of us.

EVERYONE IS WELCOME. 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 other faculty from CU and institutions up and down the Front Range, as well as science types from industry and government. 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

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