



Yale & CURE
BIOHAVEN
entrepreneurship series



Featuring...



- Date** **Thursday, February 25, 2010**
3:30 P.M. Registration
4:00 P.M. Seminar
5:00 P.M. Networking, Refreshments & Wine Bar
- Location** **Kline Geology Lab Building**, Yale University (210 Whitney Ave.)
- RSVP** Registration is free but please RSVP in advance
E-mail to biohaven@yale.edu or call the **Yale OCR** main number: **(203) 785-6209**
- Speakers** **Steven Henck**, President & CEO, Arbor Fuel

Arbor Fuel Inc. is using biotechnology to generate cost effective, environmentally sensitive alternative fuels. Arbor Fuel is developing proprietary microbial strains to produce fuels from cellulosic biomass feedstocks. The technology enables the production of transportation fuels from which do not compete with the food chain, and brings the next generation of high performance renewable fuels to consumers and industry worldwide.

Arbor Fuel has successfully developed yeasts to produce advanced renewable fuels and chemicals. These yeast strains enable cost effective, capital light, profitable production of renewable products, and the technology is proven at bench scale on experimental feedstocks. Cellulosic experimental feedstock can be fermented to ethanol with 65% of the theoretical maximum yield in under 48 hours without the addition of external enzymes.

Yeast strains have also been engineered with a butanol biosynthetic pathway, and proof of principle for this next-generation biofuel has been demonstrated. Butanol is a next generation biofuel which can substitute directly for gasoline, has similar energy density and MPGs, and requires no modification to existing engines. Butanol does not absorb moisture making it noncorrosive, meaning the existing infrastructure can be used for transportation and storage. Butanol is compatible with ethanol blending and can even improve blending of ethanol with gasoline. Additionally, butanol can be blended with diesel.

Arbor Fuel was founded in 2007 and completed a Series A round in 2008 with private investors. Arbor Fuel is currently in the process of seeking a Series B round to fund its ongoing development of industrial processes and a pilot scale plant to be used for both cellulosic ethanol and butanol.

The Yale BioHaven Entrepreneurship Series features presentations designed to showcase regionally developed life science technologies that have progressed along the path to commercialization. Speakers at the BioHaven events represent both the scientific and business side of the enterprises.

The programs focus on key success factors of each company, scientific or technological advantage, business model, and lessons learned in starting and developing the business. The series also provides social networking opportunities for scientists/researchers in the Yale community.

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