



ISSN 1550-9087

VOLUME 6 NUMBER 6
DECEMBER 2010

Industrial Biotechnology

The journal of biobased industries

FEATURE COMMENTARY

Licensing process-centric
technologies

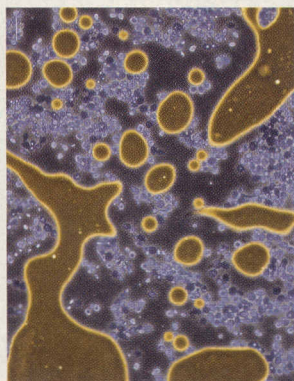
The independent engineer's role
in acquisitions of biotech projects

PEER REVIEW

Simultaneous optimization of
biomass and protease production

Mary Ann Liebert, Inc.  publishers

contents



Saccharomyces cerevisiae biofactories

Micrograph of *S. cerevisiae* (blue tint) producing and excreting BioFene (shown, gold), Amyris's biobased farnesene. The BioFene synthetic biology product accumulates as an oil and separates from the water phase.

(Image: Amyris, Inc.)

See NEWMAN et al, p. 321

DEPARTMENTS

303 News...Science & business developments

314 Calendar...Industry events

Feature Commentary

318 POSITION PAPER

Principles for the accounting of biogenic carbon in product carbon footprint (PCF) standards

Biobased Products Working Group, Biotechnology Industry Organization

321 INDUSTRY SURVEY

Synthetic biology: Challenges, opportunities

Jack Newman, Neil Goldsmith, Stephen Picataggio, Kevin Jarrell

327 iGEM 2010: Synthetic biologists compete for the future

Laura Dress

330 US Federal Circuit determines a written description requirement separate from the enablement requirement in US patent law

Stuart Macphail

335 Biofuel patent trends and updates as 2011 approaches

Sandra P. Thompson

340 Investment considerations for industrial biotechnology: Perspectives from a venture capitalist

Philipp Hasler

Industrial Biotechnology

VOLUME 6 NUMBER 6 • DECEMBER 2010

contents

346 Perspectives on licensing for process-centric technologies

John M. Eustermann

358 Buying a biotechnology project? What to expect from the independent engineer

Hope Hartley Chase

Peer Review

364 METHODS

Simultaneous optimization of biomass and protease biosynthesis by a local isolated *Pseudomonas* sp. — Response surface optimization using Box-Behnken design

Catalina Elena Kotlar, Maria Victoria Agüero, and Sara Inés Roura