

INTERCOUNTRY LECTURESHIP QUESTIONNAIRE 2008

NAME: Thomas H. Shellhammer

GRANT PERIOD: 15/09/08 – 15/07/09

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BORN: California, USA.

PRESENT POSITION US: Associate Professor, Food Science and Technology
Nor'Wester Professor of Fermentation Science
Oregon State University
Corvallis, Oregon

LANGUAGES: English

GERMAN HOST INSTITUTION

Research and Teaching Institute for Brewing
Versuchs- und Lehranstalt für Brauerei [VLB], Technical University of Berlin
www.vlb-berlin.org

ACADEMIC DISCIPLINE

Food Engineering & Food Science

AREAS OF RESEARCH

Brewing Science (process engineering, hops, human bitterness perception)
Novel Nonthermal Food Processing, especially High Pressure Processing of Food

POSSIBLE LECTURE TOPICS

Hops and hop products and their influence on beer bitterness
The impact of hops on beer flavor stability
Perspectives on U.S. brewing – consolidation of the large breweries and growth of the craft brewing industry

ACADEMIC TRAINING AND DEGREES

Ph.D., Food Engineering, University of California, Davis
M.S., Food Science, University of California, Davis
B.S., Fermentation Science, University of California, Davis

PREVIOUS POSITIONS

Assistant Professor, Dept. Food Science & Technology, Ohio State University
Assistant Professor, Dept. Food, Agricultural and Biological Engineering, Ohio State University
Food Scientist, General Mills Inc., Minneapolis, Minnesota

PUBLICATIONS (selected)

Fritsch, A. and Shellhammer, T.H. 2008. Relative bitterness of reduced and non-reduced iso- α -acids in lager beer. *Journal of American Society of Brewing Chemists*, 66(2), 88-93.

Shellhammer, T. H. and Bamforth, C. W. 2008. Assessing color quality of beer. In *Color Quality of Fresh and Processed Foods*, Culver, C.; Wrolstad, R., Eds. ACS Symposium Series 983, American Chemical Society: Washington, DC, pp 192 – 202.

Fritsch, A.N. Gitelman, A.I. and Shellhammer, T.H. 2007. Temporal bitterness varies significantly among reduced and non-reduced iso-alpha acids in lager beer. Proceedings of the 31st International Congress of the European Brewing Convention, Venice, Italy, May 6 - 10. 4 pages.

Malowicki, M.G.* and Shellhammer, T.H. 2005. Hop (*Humulus lupulus*) Bitter Acid Isomerization and Degradation Kinetics in a Model Wort-Boiling System. *Journal of Agricultural and Food Chemistry*, 53(11) 4434-4439.