

Name: Allan Caplan
Rank: Associate Professor
Department: Microbiology, Molecular Biology, and Biochemistry
 University of Idaho
Tenure status: tenured 2000
Date of First Employment at UI: 1 January 1992

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Major Academic Training:

Institution	Years	Degree Awarded
Department of Environmental Science, Rutgers University	1966-1970	B.S
Virginia Institute of Marine Science	1968	(summer courses)
Department of Zoology, University of Iowa	1973-1980	Ph.D.
Rijksuniversiteit-Gent (Belgium)	1980-1991	Post-doctoral Research Scientist

Academic Employment and Training Since Bachelor's Degree

Institution	Years	Position
Department of Environmental Science, Rutgers University	1970-1971	Laboratory Assistant in Laboratory of Pollution Microbiology
Department of Biology, Livingston College, Rutgers University	1971-1973	Teaching Assistant
Department of Zoology, University of Iowa	1973-1980	Teaching Assistant and Graduate Student
Department of Microbiology, Molecular Biology, and Biochemistry, University of Idaho	1992-2011	Associate Professor
Department of Plant, Soil, and Entomological Science	2011-present	Associate Professor

Teaching Experience Since Bachelor's Degree

Institution	Years	Courses taught (as lecturer unless otherwise noted)
Department of Environmental Science, Rutgers University	1971	Pollution Microbiology (T.A.)
Department of Biology, Livingston College, Rutgers University	1971-1973	Instrumentation and Methodology (T.A.); Comparative Physiology (T.A.); Introduction to Life Sciences (T.A.); General Zoology (T.A.)
Department of Zoology, University of Iowa	1973-1980	Evolution (T.A. and lecturer); Human Genetics (T.A.); Cell Physiology (T.A.)
Rijksuniversiteit-Gent (Belgium)	1983	Developmental Genetics
Universidade de São Paulo, Ribeirão Preto (Brazil)	1995	Biological Responses to Stress
University of Idaho	1992-present	Genetic Engineering; Prokaryotic Molecular Genetics; Molecular Biology of the Cell; Guest lectures in:

		Virology, WAMI Molecular Biology Course; Advanced Pathogenic Microbiology; Advanced Laboratory Techniques
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Academic recognition

- Recognition for exceptionally high student evaluations in MMBB 588, Fall 1999
- Nominated for Outstanding Teacher by Z.-x. Chen (2000)
- Nominated for Outstanding Teacher by MMBB Club (2001)
- Nominated for Outstanding Teacher by MMBB club (2007)

Students graduated at U. of Idaho since 1992

- Suresh Iyer (Ph.D., 1997)
- Gang Xiao (MS, 1999)
- Thanya Sripo (co-advisor, Ph.D., 2001)
- Feng Guo (MS, 2003)
- Vikranth Arlagadda (MS, 2006)
- Slawomir Dziejczak (PhD, 2012)

Undergraduate research directed in my lab since 1992

- 36 Undergraduates who have worked 1 semester or more in the lab.

Administrative Committee Service Since 1992 at UI

College/ University

- Academic Programs Advisory Committee for the College of Agriculture (1998-2007)
- Biosafety Hazards Committee (1999-2002)
- University Appeals Committee/Academic Hearing Board (2008-present; Chair, 2010-2012)
- University Honors Committee (2012-present)

Recent Publications

1. Garcia, A.-B., de Aleida Engler, J., Iyer, S., Geerts, T., Van Montagu, M., and Caplan, A. 1997. Effects of osmoprotectants upon salt stress in rice. *Plant Physiol* 115: 159-169.
2. Iyer, S. and Caplan, A. 1998. Products of proline catabolism can function as pleiotropic effectors in rice. *Plant Physiol*. 116: 203-211.
3. Garcia, A.-B., de Aleida Engler, J., Claes, B., Villaroel, R., Van Montagu, M., Geerts, T., and Caplan, A. 1998. The expression of the salt-responsive gene *saT* from rice is regulated by hormonal and developmental cues. *Planta* 207: 172-180.
4. Noventa-Jordao, M. A. , Couto, R. M. , Goldman, M. H. S. , Aguirre, J., Iyer, S., Caplan, A., Terenzi, H. F., and Goldman G. H. 1999. Catalase activity is necessary for heat-shock recovery in *Aspergillus nidulans* germlings. *Microbiology* 145: 3229- 3234.
5. Cortese, M., Caplan, A., and Crawford, R. 2002. Structural, functional, and evolutionary analysis of *moeZ*, a gene encoding an enzyme required for the synthesis of the *Pseudomonas* metabolite, pyridine-2,6-bis(thiocarboxylic acid). *BMC Evolutionary Biology* 2: 8
6. Sripo T, Phongdara A, Wanapu C, Caplan A.B. 2002. Screening and characterization of aldehyde dehydrogenase gene from *Halomonas salina* strain AS11. *J Biotechnol* 95:171-179
7. Wu, X., Li, F., Kolenovsky, A., Caplan, A., Cui, Y, Cutler, A, and Tsang, E.W.T. 2009. A mutant deficient in S-adenosylhomocysteine hydrolase in Arabidopsis shows defects in root hair development. *Botany* 87: 1-14.
8. Dzedzic, S.A. and Caplan, A.B., 2011. Identification of autophagy genes participating in zinc-induced necrotic cell death in *Saccharomyces cerevisiae*. *Autophagy* 7: 490-500.
9. Dzedzic, S.A. and Caplan, A.B., 2012. Autophagy proteins play cytoprotective and cytotoxic roles in leucine starvation induced cell death in *Saccharomyces cerevisiae*. *Autophagy* 8: 731-738.
10. Ouyang, B., Fei, Z., Joung, J.G., Kolenovsky, A., Koh, C., Nowak, J., Caplan, A., Keller, W.A., Cui, Y., Cutler, A.J., Tsang, E.W.T., 2012. Transcriptome profiling and methyl homeostasis of an Arabidopsis mutant deficient in S-adenosylhomocysteine hydrolase 1 (SAHH1). *Plant Molecular Biology* 79: 315-331.