

## Marcus Cornelis Ammerlaan



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Program in Biology  
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### Education

- May 1994 Ph.D. Microbiology, University of Texas, Austin, Texas  
*Thesis- Studies on Enterobactin Synthetase*
- May 1986 B.A. Molecular Biology, University of Wisconsin, Madison, Wisconsin  
*Thesis- Export of E. coli Hemolysin*

### Employment

- 1995-present *Lecturer IV, Program in Biology (MCDB & EEB), Univ. of Michigan- Taught and administered a variety of courses, lecture and lab, major and non-major, large and small. Responsible for training of graduate student instructors, supervising lab prep and administrative staff.*
- Hiroshi Ikuma Collegiate Lecturer- 2012*
- Lead Advisor, Michigan Synthetic Biology Team (2010-now)*
- Coordinator, HHMI High School Teaching Outreach program (2000-2002)*
- Interim Director, Science Learning Center (1996-1997)*
- 1994-1995 *Lecturer, Department of Microbiology, UT-Austin- Supervised teaching of general microbiology, virology, and immunology labs.*
- summer 1994 *Lead Faculty, Microbiology Summer Scholars Program, UT-Austin*

### Courses Taught/Supervised

Bio 801	UM	Supervised Teaching
Bio 428	UM	Cell Biology
Bio 300	UM	Undergraduate Research
Bio 207	UM	Microbiology
Bio 200	UM	Directed Study
Bio 173	UM	Introductory Biology Lab
Bio 172	UM	Introduction to Biology (MCDB)
Bio 162	UM	Introduction to Biology
Bio 152/154	UM	Introduction to Biology, Terms A & B
Bio 120/125	UM	Biotechnology and Society
Bio 118	UM	AIDS and Other Human Health Crises
Mic 362	UT	Bacterial Physiology & Metabolism
Mic 321	UT	Mycology & Mycology Lab
Mic 322	UT	Medical Mycology & Medical Mycology Lab
Mic 319/119	UT	Introduction to Microbiology & General Microbiology Lab
Mic 160	UT	Immunology Lab
Mic 130	UT	Virology Lab

## **Committee Experience**

2010-now	EEB & MCDB Curriculum Committees
2009-now	Lecturer Professional Development Committee
2007-2008	Lecturer Hiring Committee (EEB)
2005-2007	Committee to Review Introductory Biology
2004-2005	LSA Instructional Technology Committee
2002-2007	Social Committee, Department of Ecology & Evolutionary Biology; chairman
1996-2008	GSI Training, Department of Biology- member, W96; chairman, W97 to W08
1996-1999	Curriculum Committee, Department of Biology
1997-1999	Pre-Med Advising Steering Committee, College of Lit., Sci., & Arts
1996-1998	Ad Hoc Committee for Introductory Biology, Department of Biology
1996-1997	Search Committee, Director of Advising, College of Lit., Sci., & Arts
1996-1997	Search Committee, Director of SLC, College of Lit., Sci., & Arts

## **Publications & Presentations**

- Hantash, F., Ammerlaan, M.C., and Earhart, C.F. Enterobactin Synthase Polypeptides of *Escherichia coli* are Present in an Osmotic-Shock-Sensitive Cytoplasmic Locality. *Microbiology* (1997) 143:147-156.
- Ammerlaan, M.C., and Earhart, C.F. *In vitro* and *in vivo* Enterobactin Synthesis in *Escherichia coli*. Third International Symposium on Iron and Biology, Strasbourg, France, August 1992.
- Ammerlaan, M.C., and Earhart, C.F. *Escherichia coli* Enterobactin Synthetase Need Not Be a Membrane-Bound Multienzyme Complex. Poster presented at the American Society for Microbiology General Meeting, New Orleans, Louisiana, May 1992.
- Ammerlaan, M.C., Chenault, S.C., and Earhart, C.F. Synthesis and Transport of Enterobactin in *Escherichia coli*. Poster presented at the Tenth International Conference on Iron and Iron Proteins, Oxford, England, July 1991.

## **Awards & Honors**

2012	Hiroshi Ikuma Collegiate Lecturer
2009-2010	Teagle Foundation Fellow
1997	LS&A Excellence in Education Award
1992-1993	L. Joe Berry Memorial Fellowship
1991-1992	Orville Wyss Memorial Fellowship
1990	Eklund Award for Outstanding Teaching Assistant
1986-1987	University Fellowship for Incoming Students
1985-1986	University Foundation Award for Undergraduate Research
1982-1983	National Merit Scholar

## **Techniques Used**

★ Cloning, by Plasmid & PCR	★ Immune Precipitation
★ Protein Overexpression	★ Column Chromatography
★ Animal Cell Culture	★ Protein Cross-Linking
★ Product. of Polyclonal Antibodies	★ TLC & HPLC
★ Western Blots	★ Electron Microscopy

## **Other Information**

Birthdate: August 14, 1964	Birthplace: Scheveningen, Holland
Citizenship: United States	Languages: English, Dutch, French