# ScholarWorks@UMass Amherst

## MASTERS THESES 1911 - FEBRUARY 2014

Off-campus UMass Amherst users: To download campus access theses, please use the following link to <u>log into our proxy server</u> with your UMass Amherst user name and password.

Non-UMass Amherst users: Please talk to your librarian about requesting this thesis through interlibrary loan.

Theses that have an embargo placed on them will not be available to anyone until the embargo expires.

#### Title

#### Progress Towards A Model Flavoenzyme System

#### Authors

Kevin M. Bardon, University of Massachusetts Amherst Follow

## **Document Type**

**Open Access** 

#### **Degree Program**

Molecular & Cellular Biology

#### **Degree Type**

Master of Science (M.S.)

## Year Degree Awarded

January 2007

# Month Degree Awarded

September

# Keywords

Nanomaterials, Enzyme models, Thiol chemistry

## Abstract

The foundation for supramolecular chemistry is in nature; by studying these archetypes, chemists have devised methods of recreating these complex interactions in the laboratory. Of particular interest is the interplay between enzyme- more specifically, its active site- and the target substrate. Utilizing recent advancements in self-assembled monolayers, progress towards a more-accurate flavoenzyme model has been demonstrated.

# **First Advisor**

Vincent M Rotello

## Second Advisor

Maurille J. Fournier

Download

DOWNLOADS

Since January 09, 2008

Share

COinS