

Molecular Antibody Protein Structure Model

Team: Jonathan Mantes – Team Leader
Andy LaCroix – BSAC
Kimberli Carlson – Communicator
Kara Murphy – BWIG

Week: December 5 – December 11

Client: Marge A. Sutinen
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Problem Statement

HIV is a virus that progressively leads to the development of acquired immunodeficiency syndrome (AIDS), a life threatening condition in which the immune system collapses and fails to protect against infection. HIV is an irreversible condition that is most often contracted through sexual activity. Our client, Marge Sutinen of the UW School of Medicine and Public Health, works to educate students on the permanent effects of HIV in her *Contemporary Issues in HIV/AIDS Prevention* course. She has asked our team to develop a 3D model that captivates the attention of a class of undergraduates and visually illustrates the HIV attachment to CD4 cells and the permanent effect it has on the body. This model will be used as an aid in demonstrating the irreversibility of contracting the HIV virus to persuade students to use preventative measures to protect themselves.

Last Week's Goals

- Finish final paper
- Submit deliverables
- Deliver model to client

Accomplishments

- Finished final paper
- Submitted deliverables
- Delivered model to client

Next Week's Goals

- Relax
- Do good on other finals

Difficulties

- None

Team Effort

Team Member	Accomplishments	Time (Hrs)	Running Total (Hrs)
Jonathan Mantes	Final paper, deliverables	1.75	50.0
Andy LaCroix	Final paper, deliverables	1.5	50.0
Kimberli Carlson	Final paper, deliverables	1.5	50.0
Kara Murphy	Final paper, deliverables	1.75	50.0
Entire Team	Team meetings	4.0	50.0

Total Project Hours – 250 hours

Project Schedule

TASK	September			October					November				December		
DATES	11	18	25	2	9	16	23	30	6	13	20	27	4	11	18
WORK															
Brainstorming															
Research															
Designing Prototype															
Selecting Prototype															
Obtaining Materials															
Building Prototype															
Testing Prototype															
Modifications															
DELIVERABLES															
PDS															
Mid-Sem. Report															
Mid-Sem. Presentation															
Final Report															
Final Presentation															
Weekly Reports															
Notebooks															
MEETINGS															
Team Meetings															
Client Meetings															
Advisor Meetings															
BSAC Meetings															
Other Meetings															
OTHER															
Web Page															
Special Lectures															

Expenses to Date:

- Foam board, small foam balls – \$10.80
- Large foam ball - \$17.03
- Clay, paint, paintbrushes, black foam board - \$41.55
- Plaster, glue (returned clay) - -(\$0.56)
- Hardware – \$4.11
- Circuit materials - \$28.00
- Miscellaneous materials - \$6.73

Total Project Cost - \$107.60