# Integrated Rounds Sponsored by M1-2 Course Directors

**Student Comment:** ***"I liked the idea of multiple doctors each giving separate lectures – we were able to be informed on a variety of issues, but it was related together by the patient (I guess that's why its called integrated rounds)."***

## Objectives

- To integrate material across multiple basic science disciplines offered within the same semester or across M1-2 years by using common clinical problems (*e.g.*, diabetes, triplet repeat diseases, breast cancer)
- To present material in a grand rounds format – a common platform for integrating basic science and clinical medicine – using a real or virtual patient
- To highlight genetic applications to clinical medicine
- To increase collaboration between basic science and clinical faculty

## **2001-02** Myotonic Dystrophy

### Faculty Presenters

- David Bolender, PhD, Cell Biology, Neurobiology and Anatomy
- Wendy Peltier, MD, Neurology
- Arthur Haas, PhD, Biochemistry

### Chief Complaint & Dx Discussion

- CC: A 35 year old with weakness
- Genetic basis of triplet repeat diseases
- Molecular mechanism of anticipation
- Neurodegenerative diseases
  - Muscular dystrophies
  - Severity and onset
  - Genetic testing

### Summary

- Importance of family history
- Impact on families at risk
- Diagnostic testing and management

## **2002-2003** A Virtual Patient Mr. Clarence Malone

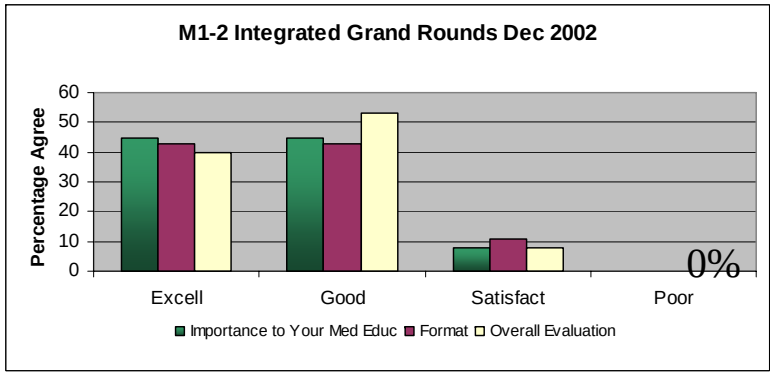
**2002-03 Depression/Dementia Virtual Patient**

**2002-03 Faculty**

**2001-02 Myotonic Dystrophy Patient & Family**

### Student Comments and Evaluations

*"I think this is a great way to present a case! The interdisciplinary approach helps students learn how to approach patient concerns… I feel like I was actually learning how to practice medicine versus all the background information that we learn everyday."*




### Faculty Presenters

- Diana Kerwin, MD, Div of Geriatrics - Medicine
- Jerry Taylor, PhD, Microbiology & Molecular Genetics
- Alan Bloom, PhD, Pharmacology

### Chief Complaint

- 80 year old male in for annual visit
- Dissatisfied with life, trouble concentrating and sleeping

### Differential Diagnosis/Discussion

- Dementia
- Infection - inflammation of brain
- Lyme Disease including transmission, neuropath
- Depression:
  - Prevalence, diagnostic criteria, evaluation, medication history
  - Treatment of Depression

### Summary

- Importance of broad dif dx in cognitive impairment in the elderly
- Dementia vs. Depression and Combination Therapy

## Conclusions

- Leadership from M1-2 Course Directors enables linkages to key basic science concepts that cross disciplines
- Collaborative presentations create a dynamic learning environment for students and faculty