

## Explorations into Autoimmune Disease

A Performance-Based Assessment for an Immunology Web quest embedded into a traditional Anatomy and Physiology course covering instruction on Biochemistry, Histology, Integumentary, Skeletal, Muscular and Nervous systems.

### Performance-Based Assessment Task-

- Students will simulate the role of a physician's consultation group (immunologist, hematologist, dermatologist, internal medicine/ primary care physician).
- Students will present a case study to the whole class for assessment grade. Presentations may take various formats including, but not limited to Multimedia presentation, Poster or story board presentation, Informative brochure, etc.
- Areas to be included during case study presentation, but not limited to patient history, diagnosis & demographics of the disease, signs & symptoms, Immunopathology (cause or mechanism of disease process, location of target organs) diagnostic tests & procedures, treatments & therapies, and current research.

### Rational:

Small cooperative groups of 3 to 4 students will choose one of the following autoimmune diseases of the Integumentary system: Psoriasis, Dermatitis herpetiformis, Pemphigus vulgaris, Scleroderma, Vitiligo, Dermatomyositis.

During first group meeting: students will accomplish the following tasks:

- ✓ Students will organize any previous knowledge, personal experiences, newly acquired information on immune mechanisms
- ✓ Students will pose any additional questions to be investigated, pinpointing areas needing further research
- ✓ Students will divide presentation tasks and research areas among group members

Research will include individual effort, collaboration, peer-teaching.

During second group meeting: students will share information, peer-teach and summarize newly acquired knowledge and incorporate into case study presentation.

Full list of references is required. Recommendation for embedding active links into multimedia presentations are useful for checking references, hard copies of articles are also useful.

Presentation grading (see rubric) will include individual group member self-reflection and evaluation of content and cooperative skills, audience evaluation points and teacher assessment points.