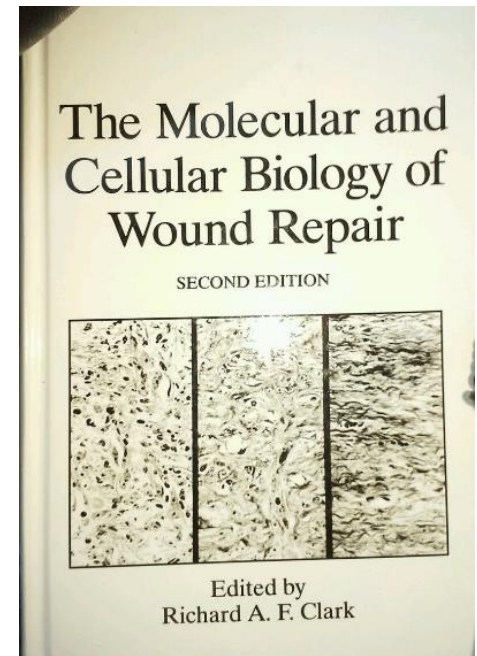


# BIEN 138: Fundamental Principles of Wound Repair

## Instructional Material:

- Lecture Notes and Supplementary Reading Material
- Reference Book



## Course Outline

- |  |
|--|
| 1. Overview  |
| 2. Blood Coagulation, Inflammation, and Re-epithelialization |
| 3. Granulation Tissue Formation                              |
| 4. Neovascularization  |
| 5. Wound Contraction and Remodeling                          |
| 6. Etiology of Chronic Non-healing Wounds                    |
| 7. Tissue Engineering Strategies for Wound Repair            |
| 8. Fetal Scarless Regeneration                               |
| 9. Endogenous Adult Regeneration                             |

**Key Concepts and Findings**  
&  
***In vitro* and *In vivo* Assays**