Objective: To increase crew autonomy at an acceptable level of mission risk

Leading Candidates with potential high payoff (further refinement required):
- Thinking Medical Systems/Decision Support Systems
- Blood Substitutes
- Non-Invasive, Comprehensive Blood Analysis
- Compact, High Resolution, Non-Invasive Imaging
- Unobtrusive Physiological Monitoring
- Medical Diagnostic Nanotechnology
- Therapeutic Intervention Nanotechnology

Current Funding for NASA Space Biomedical Technology Development* (source):
- FY’99 $1.265M
- FY’00 $2.2M

* for operational use within 5 years

Recommendation
Sponsor cutting-edge research in academia ($10M/yr). Collaborate and co-fund complimentary research with the DoD and DoE ($25M/yr). Identify medical industry leaders that can develop mission unique technologies ($20M/yr). Increase funding as technologies near space flight operational status.