Introduction to Video Bioinformatics
September 13-17, 2010
Schedule
Room

Monday, September 13, 2010

• 10:00am – 12:00pm
  o Video Bioinformatics Overview, Bhanu (2)
• 12:00pm – 1:00pm
  o Lunch
• 1:00pm – 3:00pm
  o The structure and function of cells from all major groups of organisms, Talbot (2)
• 3:00pm - 3:30pm
  o Break
• 3:30pm – 5:30pm
  o Overview of microscopic techniques used to study cells, Talbot (1)
  o Stem Cells, Talbot (1)

Tuesday, September 14, 2010

• 9:00am – 12:00pm
  o Live imaging, confocal microscopy, spatiotemporal dynamics, cellular structures, green fluorescence proteins, the cytoskeleton, Yang (3)
• 12:00pm – 1:00pm
  o Lunch
• 1:00pm – 2:00PM
  o Live imaging, confocal microscopy, spatiotemporal dynamics, cellular structures, green fluorescence proteins, the cytoskeleton, Yang (1) Continue
• 2:00pm – 2:30pm
  o Break
• 2:30pm – 5:30pm
  o Image and Video Computing, Bhanu (3)

Wednesday, September 15, 2010

• 8:00am – 10:00am
  o Multi-scale analysis and dynamic cellular response to action potential, Rodgers (2)
• 10:00am – 10:30am
  o Break
• 10:30am – 12:30pm
  o Multi-scale analysis and dynamic cellular response to action potential, Rodgers (2)
Thursday, September 16, 2010

• 12:30pm – 1:30pm
  o Lunch
• 1:30pm – 3:30pm
  o Analysis of microscopic and genomic data, biology of cancer, Parvin (2)
• 3:30pm – 4:00pm
  o Break
• 4:00pm – 6:00pm
  o Analysis of microscopic and genomic data, biology of cancer, Parvin (2) Continue

Friday, September 17, 2010

• 1pm – 3pm
  o Computed tomography and positron emission tomography: overview, Obenaus (1)
  o Magnetic Resonance Imaging -fundamentals, applications and opportunities, Obenaus (2)
• 3:00pm – 3:30pm
  o Break
• 3:30pm – 5:30pm
  o Magnetic Resonance Imaging -fundamentals, applications and opportunities, Obenaus (2) Continue